



PA FISH AND BOAT COMMISSION  
COMMENTS AND RECOMMENDATIONS  
April 1994

WATER: Sherman Creek (501A)  
Section 04

Wayne County

EXAMINED: July 26, 1993

BY: David A. Arnold and D. Bourke

Bureau Director Action:	<u>approved. William R. Graff</u>	Date:	<u>8-25-94</u>
Division Chief Action:	<u>Richard G. Snyder</u>	Date:	<u>8-15-94</u>
WW Unit Leader Action:	_____	Date:	_____
CW Unit Leader Action:	<u>R. Thomas Greene</u>	Date:	<u>8/9/94</u>

AREA COMMENTS:

Sherman Creek flows into New York State and then into the West Branch of the Delaware River. It was inventoried to check for wild rainbow trout reproduction in tributaries to the West Branch of the Delaware River.

Wild reproduction was documented for brown and rainbow trout. Brook trout reproduction was very limited. Wild brown trout were the dominant trout species.

AREA RECOMMENDATIONS:

1. No change in management recommended, Class A wild brown trout water, conventional statewide regulations apply.
2. Water quality classification change: from HQ-CWF to HQ-CWF, MF to reflect the presence of a migratory species - American eel.
3. Resurvey in 1995 to monitor the Class A wild brown trout population.

CW UNIT COMMENTS:

Sherman Creek (501A), Section 04, was reinventoried during July 1993 as part of an effort to document the extent of rainbow trout reproduction in the Upper Delaware River drainage.

Section 04 can be characterized as a small freestone stream. The 1993 single pass electrofishing effort documented the presence of wild brook, brown and rainbow trout.

**CW UNIT RECOMMENDATIONS:**

1. Sherman Creek (501A), Section 04, should continue to be managed as a Class A wild trout fishery. Conventional statewide regulations should apply with no stocking.
2. I concur with the Area 5 recommendation to reinventory Section 04 during the 1995 field season to monitor the wild brown trout fishery.

PENNSYLVANIA FISH & BOAT COMMISSION  
BUREAU OF FISHERIES  
FISHERIES MANAGEMENT DIVISION

Sherman Creek (501A) Management Report  
Section 04

Prepared by  
David A. Arnold and D. Bourke

Date Sampled: July 26, 1993

Date Prepared: April 1994

### Introduction

Sherman Creek is a freestone stream in Scott Township, northern Wayne County. It flows 10 km (6.2 mi.) in a north-northeasterly direction to its confluence with the West Branch of the Delaware River in New York State. It drains an area of 37 km<sup>2</sup> and has a gradient of 12.7 m/km.

The limits of Section 04 are from the New York State border (lower limit) upstream 4.3 km (2.7 mi.) to a private road 0.5 km southwest of the intersection of SR 4043 (LR 63098) and T-673 (upper limit). The mean width of this section is 4.9 km (16.2 ft.). SR 4037 (LR 63059) crosses the stream just upstream from the state line then intersects with SR 4043 (LR 63098) which parallels the creek to Gardeners Corners. Here T-768 starts to parallel it into State Game Lands #70 and follows Sherman Creek to its source.

The geology of the region, the Catskill Formation consisting mainly of red to brown shales with gray to greenish sandstones, makes the stream and the surrounding area quite infertile. The current water quality classification, as listed in PA DER (April 24, 1993) is High Quality-Cold Water Fishery (HQ-CWF).

Section 04 was last surveyed in 1976 (Billingsley et al.) at a site 1.7 km (1.1 mi.) upstream from the SR 4037 (LR 63059), the upper station limit in 1993. Posting was indicated as a problem for this stocked section. The 1976 station limits - bridge on LR 63058 below the confluence with Starboard Creek (Oquaga Creek) 425 m. The 1976 survey estimated the brown trout (*Salmo trutta*) population at 578/ha with a biomass of 59.42 kg/ha (Table 1). Brook trout (*Salvelinus fontinalis*) were present but in very low numbers; 4 were caught between 100-249 mm. Rainbow trout were not present.

Other species caught in the 1976 survey were: American eel (*Anguilla rostrata*), Blacknose dace (*Rhinichthys atratulus*), Longnose dace (*Rhinichthys cataractae*), Creek chub (*Semotilus atromaculatus*), Cutlips minnow (*Exoglossum maxillingua*), Golden shiner (*Notemigonus crysoleucas*), Pumpkinseed (*Lepomis gibbosus*), Brown bullhead (*Ameiurus nebulosus*), and White sucker (*Catostomus commersoni*).

Catchable trout stocking was terminated in 1983 when Operation FUTURE was adopted.

#### **Fisheries Assessment**

Sherman Creek was examined, as part of an inventory of tributaries to the West Branch of the Delaware River for evidence of wild rainbow (*Oncorhynchus mykiss*) reproduction.

Sherman Creek was examined starting on July 26, 1993. A 300 m station starting 300 m downstream of the bridge on SR 4037 (LR 63059) was surveyed and all trout were marked. Numerous attempts to conduct a recapture run were impeded by high flows.

Based on a single pass electrofishing effort, brown trout were the most abundant with 83 fish captured between 50 and 274 mm.

Nineteen rainbow trout ranging between 25 and 74 mm TL and three brook trout between 50 and 174 mm TL were also captured during the survey.

The chemical-thermal analyses reflected the geology of the area, an infertile freestone stream. Data collected were recorded as follows: Air Temperature 21C; Water Temperature 18C; Specific Conductivity 79 umhos/cm; pH 7.3 s.u.; Total Alkalinity and Hardness - 28 and 30 mg/l, respectively. These data were somewhat higher than expected for this area and probably reflect its land use.

Other species caught were: American eel, Blacknose dace, Longnose dace, Creek chub, Fallfish (*Semotilus corporalis*), Golden shiner, Pumpkinseed, Slimy sculpin (*Cottus cognatus*) and White sucker.

### **Management Recommendations**

1. No change in management recommended, Class A wild brown trout water, conventional statewide regulations apply.
2. Water quality classification change: from HQ-CWF to HQ-CWF,MF to reflect the presence of a migratory species - American eel.
3. Resurvey in 1995 to monitor the Class A wild brown trout population.

### **References**

Billingsley, C.W. and D.E. Bourke. 1976. Stream Examination Report, Sherman Creek (501A), Wayne County. PFBC files, 450 Robinson Lane, Bellefonte, PA.

Table 1. Estimated population and biomass of brown trout by 50 mm length groups in Sherman Creek (501A), Wayne Co., Section 04, on June 22, 1976. Station length: 425 m, mean width 6.7 m, electro-fishing first pass - 36 minutes at 400 VAC. Petersens' single mark and recapture, modified by Chapman. Station location: bridge on LR 63059 below the confluence with Starboard Creek.

## Brown Trout - June 22, 1976

Length group (50 mm)	M	C	R	Mean weight (g)	N	95% C.I. N	Population density estimated by		
							#/ha	#/km	Kg/ha
50	6	15	0	4	21	.....	74	49	0.29
100	6	7	6	29	8	4-18	28	19	0.81
150	51	59	33	79	92	66-132	323	216	25.52
200	16	24	16	158	25	16-42	89	59	13.87
250	9	7	4	240	16	7-40	56	38	13.49
300	..	..	..	..	..	.....	..	..	....
350	1	1	1	650	1	.....	4	2	2.28
400	1	1	1	900	1	.....	4	2	3.16
Total	90	104	61	.....	164	.....	578	385	59.42

M = Number of fish marked first pass; C = Total number of fish caught second pass; R = the number of marked fish (recaptured) caught in the second pass; N = Chapman modified estimate; C.I. = Confidence Interval.

## PENNSYLVANIA FISH COMMISSION

## Stream Examination Report

## STREAM LOCATION

Card Format: 

0	1
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 Latitude 

4	1	5	9	5	7
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 Longitude 

7	5	7	3	5	5
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 Stream Name 

S	H	E	R	M	A	N	C	R	E	E	K								
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County 

W	A	N			
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 Length 

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 Drainage 

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 Mgt. Area 

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Tributary to 

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 Longitude 

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 C 

7
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## SECTION LIMITS

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 Sec. No. 

1	5
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 Yr. 

7	6
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 Length 

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 Area 

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 Class 

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 USGS Quad. 

0	1	2	4
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Latitude 

4	1	5	8	1	5
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 Longitude 

7	5	2	6	3	2
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 Upstream to Latitude 

4	1	5	7	2	2
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 Longitude 

7	5	2	5	4	0
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 C 

7
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## DESCRIPTION (Do Not Punch)

Stream Examiners: Billingsley, Bourke, Hoopes, Hollowell

Downstream Limit: STATE GAME LANDS #70 border

Upstream Limit: STATE GAME LANDS #70 border

## SOCIAL DATA

Card Format: 

0	3
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 Dup. col. 3-18 

0	6	7	6
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 No. Yr. 

1	9
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----- Riparian Ownership -----

#/km	FOR	PARK	PGC	PFC	CIV	FED	PVT OPEN	PVT CLOSED																												
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----- Accessibility -----

Pop. Dens.	RdX/km	% 100m	% 300m	% 500m	PVT	PUB	CM	PUB	C																													
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----- Parking -----

----- Boat Launch -----

## FOR CENTRAL OFFICE USE ONLY

## Unit Recommendations:

Date: 10/18/77

Recommend this report be approved for inventory use.

Section Chief Action:

Division Chief Action:

APPROVED

BY Delano R. HoffDATE 10-24-77

approved Robert B. Deane 10/21/77



DEP Stream Code: 06656

Stream Name Sherman CkSec. No. 04Mgmt. Area 501A

Sherman Creek

COMMENTS AND RECOMMENDATIONS (Punch written comments, end card with full word, within data group number cards sequentially right justified in col. 23-24.)

Card  
Format: 10 Dup. col. 3-18 716  
19

Dup. col. 1-20 01 Stream flows into New York state. Section 03 needs to be evaluated.  
21

Dup. col. 1-20 02 Section Limits: from the stateline upstream to private road 0.5 km  
21

Dup. col. 1-20    above intersection of L.R. 63098 and T-673.  
21

Dup. col. 1-20    Examiners: Billinglesey, Hoopes, Bourke, Hallowell  
21

Dup. col. 1-20    Present Mgmt: Stocked preseason with 500 ST from mouth upstream to  
21

Dup. col. 1-20    posted property adjoining Gamelands.  
21

Dup. col. 1-20    Recommend: a better defining of lower stocking limit.  
21

Dup. col. 1-20 04 Downstream Station Limit: bridge on L.R. 63059 below confluence of  
21

Dup. col. 1-20    Starboard Ck.  
21

Dup. col. 1-20 09 Gear: Coffelt backpack unit.  
21

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21

Stream Name SHERMAN CKSec. No. 02Ment. Area 501ACounty WAYN

## STATION LOCATION

Card  
Format: 04 Dup. col. 3-18 01 062276 415212 752628 01224 1  
Sta. No. Mo. Da. Yr. Latitude Longitude USGS Quad. C

## DESCRIPTION (Do Not Punch)

Lower end of state Game Lands No. 70

## PHYSICAL DATA

Card  
Format: 05 Dup. col. 3-26 00300 00026 000078 0260 0905  
Length Width Area Grad. Geo.  
Flow Bnk. Ersn. Shade Bank Veg. Sub. Comp.  
(Punch No. Circled) 1 2 3 1 2 3 4 1 2 3 1 2 3 4 1 2 3 4 5 6 7 2  
(51) (52) (53) (54) (55, 56) 79

## CHEMICAL DATA

Card  
Format: 06 Dup. col. 3-26 0930 270 175 0035 071 018 024 50 2  
Time Air Temp. H.O. Temp. Spec. Cond. pH Tot. Alk. Tot. Hard. D.O. C  
27 31 34 37 41 44 47 50 79

## INVERTEBRATE DATA

Card  
Format: 07 Dup. col. 3-26 (Punch code number(s) checked, start with col. 27, end card with complete number, use same card format.) 2  
79

## Ephemeroptera

010101 Ametropodidae  
✓ 010102 Baetidae  
010103 Baetiscidae  
010105 Caenidae  
✓ 010106 Ephemerellidae  
✓ 010107 Ephemeridae  
✓ 010108 Heptageniidae  
✓ 010109 Leptophlebiidae  
010110 Neophemeridae  
010113 Potamanthidae  
010114 Siphonuridae  
010115 Tricorythidae

## Plecoptera

010201 Capniidae  
010202 Chloroperlidae  
010203 Leuctridae  
010204 Nemouridae  
010205 Peltoperlidae  
✓ 010206 Perlidae  
010207 Perlodidae  
✓ 010208 Pteronarcidae  
010209 Taeniopterygidae

## Coleoptera

010301 Amphizoidae  
010306 Dryopidae  
010307 Dytiscidae  
010308 Elmidae  
010310 Gyrinidae  
010311 Haliplidae  
010312 Helodidae  
010316 Hydrophilidae  
010322 Psephenidae

## Trichoptera

010401 Brachycentridae  
010402 Calamoceratidae  
010403 Glossosomatidae  
010404 Goeridae  
010405 Helicopsychidae  
✓ 010406 Hydropsychidae  
010407 Hydroptilidae  
010408 Lepidostomatidae  
010409 Leptoceridae  
✓ 010410 Limnephilidae  
✓ 010411 Molannidae  
✓ 010412 Odonoceridae  
✓ 010413 Philopotamidae  
010414 Phryganeidae  
010415 Polycentropodidae  
010416 Psychomyiidae  
✓ 010417 Rhyacophilidae

## Odonata

✓ 010511 Aeshnidae  
010512 Cordulegastridae  
✓ 010513 Gomphidae  
010514 Libellulidae  
010515 Macromiidae  
010521 Calopterygidae  
010522 Coenagrionidae  
010523 Lestidae

## Diptera

✓ 010602 Chironomidae  
010603 Culicidae  
010605 Dixidae  
010607 Empididae  
010614 Rhagionidae

## Diptera

010617 Simuliidae  
010619 Syrphidae  
010620 Tabanidae  
✓ 010623 Tipulidae

## Megaloptera

✓ 010701 Corydalidae  
010702 Sialidae

## Hemiptera

010802 Corixidae  
010805 Gerridae  
010811 Nepidae  
010812 Notonectidae  
010816 Veliidae

## Neuroptera

010901 Sisyridae

## Lepidoptera

011001 Noctuidae  
011002 Pyralidae

## Decapoda

✓ 020101 Astacidae  
020102 Cambaridae

## Amphipoda

020201 Gammaridae  
020203 Talitridae

## Isopoda

020301 Asellidae

030200 Hydracarina

Haploscierina

110101 Spongillidae

Hydroida

210101 Hydridae

Tricladida

310101 Planariidae

310102 Dendrocoelidae

500000 PHYLUM NEMATODA

810100 Plesiopora

810200 Opisthopora

820000 CLASS HIRUDINEA

910000 CLASS GASTROPODA

920000 CLASS PELECYPODA

## RELATIVE ABUNDANCE:

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Dsp. col. 5-26	27	29	31	35	39	40	41	44
			A					79

D. Cl. 1-29

Sp. Code	Card No.	Size Group	N	C	R	Mean Wt.	0+	1+	11+	111+	IV+	V+
060303	01	0050	0006	0015	0000	0000X						
30	36	38	42	46	50	54	59	62	65	68	71	74

D. Cl. 1-29

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36	0	2				
38	0	1	0	0		
42	0	0	0	6		
46	0	0	0	7		
50	0	0	0	6		
54	0	0	0	2	2	
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62						
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74						

D. Cl. 1-29

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36	0	3				
38	0	1	5	0		
42	0	0	5	1		
46	0	0	5	9		
50	0	0	3	3		
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D. Cl. 1-29

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D. Cl. 1-29

26	0	0	0	0	1
27	0	2			
28	0	1	5	0	
29	0	0	0	0	1
30	0	0	0	0	
31	0	0	0	0	
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D. Cl. 1-29

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D. C1. 1-29

D. Cl. 1-29

## PENNSYLVANIA FISH COMMISSION

## Stream Examination Report

## FISH DATA

Card

Format: 018 Dup. col. 3-26 (Punch cards numbers checked, start with col. 27, end card with complete number, 2  
use same card format.) 79

<u>060301</u> <i>Salmo gairdneri</i>	<u>150101</u> <i>Fundulus diaphanus</i>
<input checked="" type="checkbox"/> <u>060302</u> <i>Salmo trutta</i>	<u>230201</u> <i>Ambloplites rupestris</i>
<input checked="" type="checkbox"/> <u>060401</u> <i>Salvelinus fontinalis</i>	<u>230401</u> <i>Lepomis auritus</i>
<u>100102</u> <i>Esox a. vermiculatus</i>	<u>230402</u> <i>Lepomis cyanellus</i>
<u>100103</u> <i>Esox lucius</i>	<u>230403</u> <i>Lepomis gibbosus</i>
<u>100105</u> <i>Esox niger</i>	<u>230404</u> <i>Lepomis macrochirus</i>
<u>110101</u> <i>Campostoma anonalum</i>	<u>230405</u> <i>Lepomis megalotis</i>
<u>110201</u> <i>Carassius auratus</i>	<u>230501</u> <i>Micropterus dolomieu</i>
<u>110501</u> <i>Cyprinus carpio</i>	<u>230502</u> <i>Micropterus salmoides</i>
<u>110601</u> <i>Ericymba buccata</i>	<u>230601</u> <i>Pomoxis annularis</i>
<u>110701</u> <i>Exoglossum maxillingua</i>	<u>230602</u> <i>Pomoxis nigromaculatus</i>
<u>111101</u> <i>Notemigonus crysoleucas</i>	<u>240201</u> <i>Etheostoma olmstedi</i>
<u>111202</u> <i>Notropis analostanus</i>	<u>240202</u> <i>Etheostoma blennioides</i>
<u>111204</u> <i>Notropis atherinoides</i>	<u>240203</u> <i>Etheostoma caeruleum</i>
<u>111207</u> <i>Notropis cornutus</i>	<u>240206</u> <i>Etheostoma flabellare</i>
<u>111211</u> <i>Notropis hudsonius</i>	<input checked="" type="checkbox"/> <u>240209</u> <i>Etheostoma nigrum</i>
<u>111213</u> <i>Notropis procne</i>	<u>240211</u> <i>Etheostoma variatum</i>
<u>111214</u> <i>Notropis rubellus</i>	<u>240212</u> <i>Etheostoma zonale</i>
<u>111215</u> <i>Notropis spilopterus</i>	<u>240301</u> <i>Perca flavescens</i>
<u>111218</u> <i>Notropis volucellus</i>	<u>240401</u> <i>Percina caprodes</i>
<u>111301</u> <i>Pimephales notatus</i>	<u>240405</u> <i>Percina maculata</i>
<u>111302</u> <i>Pimephales promelas</i>	<u>240406</u> <i>Percina peltata</i>
<input checked="" type="checkbox"/> <u>111401</u> <i>Rhinichthys atratulus</i>	<u>240502</u> <i>Stizostedion v. vitreum</i>
<u>111402</u> <i>Rhinichthys cataractae</i>	<u>260101</u> <i>Cottus bairdi</i>
<u>111501</u> <i>Semotilus atromaculatus</i>	<input checked="" type="checkbox"/> <u>260102</u> <i>Cottus cognatus</i>
<u>111502</u> <i>Semotilus corporalis</i>	
<u>111503</u> <i>Semotilus margarita</i>	
<u>111702</u> <i>Nocomis micropogon</i>	
<u>120201</u> <i>Catostomus commersoni</i>	
<u>120301</u> <i>Erimyzon oblongus</i>	
<u>120401</u> <i>Hypentelium nigricans</i>	
<u>120603</u> <i>Moxostoma erythrum</i>	
<u>120604</u> <i>Moxostoma macrolepidotum</i>	
<u>130103</u> <i>Ictalurus natalis</i>	
<u>130104</u> <i>Ictalurus nebulosus</i>	
<u>130105</u> <i>Ictalurus punctatus</i>	
<u>130201</u> <i>Noturus flavus</i>	
<u>130203</u> <i>Noturus insignis</i>	
<u>140101</u> <i>Anguilla rostrata</i>	

## PENNSYLVANIA FISH COMMISSION

## Stream Examination Report

## FISH DATA

Card

Format: ☐ 0 ☒ 8 Dup. col. 3-26 (Punch cards numbers checked, start with col. 27, end card with complete number, use same card format.)C  
27  
79

<input type="checkbox"/> 060301 <i>Salmo gairdneri</i>	<input type="checkbox"/> 150101 <i>Fundulus diaphanus</i>
<input checked="" type="checkbox"/> 060302 <i>Salmo trutta</i>	<input type="checkbox"/> 230201 <i>Ambloplites rupestris</i>
<input checked="" type="checkbox"/> 060401 <i>Salvelinus fontinalis</i>	<input type="checkbox"/> 230401 <i>Lepomis auritus</i>
<input type="checkbox"/> 100102 <i>Esox a. vermiculatus</i>	<input type="checkbox"/> 230402 <i>Lepomis cyanellus</i>
<input type="checkbox"/> 100103 <i>Esox lucius</i>	<input checked="" type="checkbox"/> 230403 <i>Lepomis gibbosus</i>
<input type="checkbox"/> 100105 <i>Esox niger</i>	<input type="checkbox"/> 230404 <i>Lepomis macrochirus</i>
<input type="checkbox"/> 110101 <i>Camptostoma anomalum</i>	<input type="checkbox"/> 230405 <i>Lepomis megalotis</i>
<input type="checkbox"/> 110201 <i>Carassius auratus</i>	<input type="checkbox"/> 230501 <i>Micropterus dolomieu</i>
<input type="checkbox"/> 110501 <i>Cyprinus carpio</i>	<input type="checkbox"/> 230502 <i>Micropterus salmoides</i>
<input type="checkbox"/> 110601 <i>Ericymba buccata</i>	<input type="checkbox"/> 230601 <i>Pomoxis annularis</i>
<input checked="" type="checkbox"/> 110701 <i>Exoglossum maxillingua</i>	<input type="checkbox"/> 230602 <i>Pomoxis nigromaculatus</i>
<input checked="" type="checkbox"/> 111101 <i>Notemigonus crysoleucas</i>	<input type="checkbox"/> 240201 <i>Etheostoma olmstedi</i>
<input type="checkbox"/> 111202 <i>Notropis analostanus</i>	<input type="checkbox"/> 240202 <i>Etheostoma blennioides</i>
<input type="checkbox"/> 111204 <i>Notropis atherinoides</i>	<input type="checkbox"/> 240203 <i>Etheostoma caeruleum</i>
<input type="checkbox"/> 111207 <i>Notropis cornutus</i>	<input type="checkbox"/> 240206 <i>Etheostoma flabellare</i>
<input type="checkbox"/> 111211 <i>Notropis hudsonius</i>	<input type="checkbox"/> 240209 <i>Etheostoma nigrum</i>
<input type="checkbox"/> 111213 <i>Notropis procne</i>	<input type="checkbox"/> 240211 <i>Etheostoma variatum</i>
<input type="checkbox"/> 111214 <i>Notropis rubellus</i>	<input type="checkbox"/> 240212 <i>Etheostoma zonale</i>
<input type="checkbox"/> 111215 <i>Notropis spilopterus</i>	<input type="checkbox"/> 240301 <i>Perca flavescens</i>
<input type="checkbox"/> 111218 <i>Notropis volucellus</i>	<input type="checkbox"/> 240401 <i>Percina caprodes</i>
<input type="checkbox"/> 111301 <i>Pimephales notatus</i>	<input type="checkbox"/> 240405 <i>Percina maculata</i>
<input type="checkbox"/> 111302 <i>Pimephales promelas</i>	<input type="checkbox"/> 240406 <i>Percina peltata</i>
<input checked="" type="checkbox"/> 111401 <i>Rhinichthys atratulus</i>	<input type="checkbox"/> 240502 <i>Stizostedion v. vitreum</i>
<input checked="" type="checkbox"/> 111402 <i>Rhinichthys cataractae</i>	<input type="checkbox"/> 260101 <i>Cottus bairdi</i>
<input checked="" type="checkbox"/> 111501 <i>Semotilus atromaculatus</i>	<input type="checkbox"/> 260102 <i>Cottus cognatus</i>
<input type="checkbox"/> 111502 <i>Semotilus corporalis</i>	<input type="checkbox"/> _____
<input type="checkbox"/> 111503 <i>Semotilus margarita</i>	<input type="checkbox"/> _____
<input type="checkbox"/> 111702 <i>Nocomis micropogon</i>	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> 120201 <i>Catostomus commersoni</i>	<input type="checkbox"/> _____
<input type="checkbox"/> 120301 <i>Erimyzon oblongus</i>	<input type="checkbox"/> _____
<input type="checkbox"/> 120401 <i>Hypentelium nigricans</i>	<input type="checkbox"/> _____
<input type="checkbox"/> 120603 <i>Moxostoma erythrum</i>	<input type="checkbox"/> _____
<input type="checkbox"/> 120604 <i>Moxostoma macrolepidotum</i>	<input type="checkbox"/> _____
<input type="checkbox"/> 130103 <i>Ictalurus natalis</i>	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> 130104 <i>Ictalurus nebulosus</i>	<input type="checkbox"/> _____
<input type="checkbox"/> 130105 <i>Ictalurus punctatus</i>	<input type="checkbox"/> _____
<input type="checkbox"/> 130201 <i>Noturus flavus</i>	<input type="checkbox"/> _____
<input type="checkbox"/> 130203 <i>Noturus insignis</i>	<input type="checkbox"/> _____
<input checked="" type="checkbox"/> 140101 <i>Anguilla rostrata</i>	<input type="checkbox"/> _____



## Stream Examination Report

## PENNSYLVANIA FISH COMMISSION

## FISH ABUNDANCE

Card  
Format: 091

Card	Dup. col. 3-26	Gear	Mthd	Hr. Fished	Voltage	AC	DC	Net Length	No. Sets	C
D. Cl. 1-29	091	03	1	31	0500	1	0	41	44	79
D. Cl. 1-29	040302	02	050	0000	050	0	0	59	62	74
D. Cl. 1-29	040302	03	0100	0000	050	0	0	59	62	74
D. Cl. 1-29	040407	01	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	02	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	03	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	04	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	05	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	06	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	07	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	08	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	09	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	10	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	11	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	12	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	13	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	14	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	15	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	16	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	17	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	18	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	19	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	20	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	21	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	22	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	23	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	24	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	25	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	26	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	27	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	28	0000	0000	050	0	0	59	62	74
D. Cl. 1-29	040401	29	0000	0000	050	0	0	59	62	74

Stream Name SHERMAN CR Sec. No. 04 Hght. Area 501A County WAYNE

## STATION LOCATION

Sta. Sec. No. 01 Mo. 06 Da. 22 Yr. 76 Latitude 41<sup>27</sup>59<sup>27</sup>42 Longitude 75<sup>33</sup>24<sup>33</sup>57 USGS Quad. 01<sup>39</sup>22<sup>39</sup>4 C 1<sup>79</sup>

## DESCRIPTION (Do Not Punch)

bridge on L.R. 63059 below confluence with starboard ck

## PHYSICAL DATA

Card Format: 05 Dup. col. 3-26 Length 00<sup>27</sup>42<sup>27</sup>5 Width 00<sup>32</sup>06<sup>32</sup>7 Area 00<sup>37</sup>02<sup>37</sup>85 Grad. 01<sup>43</sup>57 Geo. 09<sup>47</sup>25  
Flow Bnk. Ersn. Shade Bank Veg. Sub. Comp.  
(Punch No. Circled) High Norm Low Hyv Mod Lite None Dens Pntl Open Agri Gssd Shrb Tree Bdrk Bldr Rubl Grvl Sand Silt Clay C  
1<sup>(59)</sup>2<sup>51</sup>3 1<sup>(52)</sup>2<sup>52</sup>34 1<sup>(53)</sup>2<sup>53</sup>3 1<sup>(54)</sup>2<sup>54</sup>34 1<sup>(55,56)</sup>2<sup>55</sup>34567 2<sup>79</sup>

## CHEMICAL DATA

Card Format: 06 Dup. col. 3-26 Time 1<sup>27</sup>50<sup>27</sup>00 Air Temp. 2<sup>31</sup>70<sup>31</sup> H.O. Temp. 2<sup>34</sup>00<sup>34</sup> Spec. Cond. 0<sup>37</sup>45<sup>37</sup>0 pH 0<sup>41</sup>7<sup>41</sup>1 Tot. Alk. 0<sup>44</sup>16<sup>44</sup> Tot. Hard. 0<sup>49</sup>26<sup>49</sup> D.O. 5<sup>50</sup>0<sup>50</sup> C 2<sup>79</sup>

## INVERTEBRATE DATA

Card Format: 07 Dup. col. 3-26 (Punch code number(s) checked, start with col. 27, end card with complete number, use same card format.) C 79

## Ephemeroptera

☒ 010101 Anetropodidae  
☒ 010102 Baetidae  
☐ 010103 Baetiscidae  
☐ 010105 Caenidae  
☐ 010106 Ephemerellidae  
☐ 010107 Ephemeridae  
☐ 010108 Heptageniidae  
☒ 010109 Leptophlebiidae  
☐ 010110 Neophemeridae  
☐ 010113 Potamanthidae  
☐ 010114 Siphonuridae  
☐ 010115 Tricorythidae

## Plecoptera

☒ 010201 Capniidae  
☒ 010202 Chloroperlidae  
☐ 010203 Leuctridae  
☐ 010204 Nemouridae  
☒ 010205 Peltoperlidae  
☒ 010206 Perlidae  
☐ 010207 Perlodidae  
☒ 010208 Pteronarcidae  
☐ 010209 Taeniopterygidae

## Coleoptera

☐ 010301 Amphizoidae  
☐ 010306 Dryopidae  
☐ 010307 Dytiscidae  
☒ 010308 Elmidae  
☐ 010310 Gyrinidae  
☐ 010311 Haliplidae  
☐ 010312 Helodidae  
☐ 010316 Hydrophilidae  
☒ 010322 Psephenidae

## Trichoptera

☐ 010401 Brachycentridae  
☐ 010402 Calamoceratidae  
☒ 010403 Glossosomatidae  
☐ 010404 Goeridae  
☐ 010405 Helicopsychidae  
☒ 010406 Hydropsychidae  
☐ 010407 Hydroptilidae  
☐ 010408 Lepidostomatidae  
☐ 010409 Leptoceridae  
☐ 010410 Limnephilidae  
☐ 010411 Molannidae  
☒ 010412 Odontoceridae  
☒ 010413 Philopotamidae  
☐ 010414 Phryganeidae  
☐ 010415 Polycentropodidae  
☒ 010416 Psychomyiidae  
☒ 010417 Rhyacophilidae

## Odonata

☐ 010511 Aeshnidae  
☐ 010512 Cordulegastridae  
☐ 010513 Gomphidae  
☐ 010514 Libellulidae  
☐ 010515 Macromiidae  
☐ 010521 Calopterygidae  
☐ 010522 Coenagrionidae  
☐ 010523 Lestidae

## Diptera

☒ 010602 Chironomidae  
☐ 010603 Culicidae  
☐ 010605 Dixidae  
☐ 010607 Empididae  
☐ 010614 Rhagionidae

## Diptera

☐ 010617 Simuliidae  
☐ 010619 Syrphidae  
☐ 010620 Tabanidae  
☒ 010623 Tipulidae

## Megaloptera

☐ 010701 Corydalidae  
☐ 010702 Sialidae

## Hemiptera

☒ 010802 Corixidae  
☒ 010805 Gerridae  
☐ 010811 Nepidae  
☐ 010812 Notonectidae  
☐ 010816 Veliidae

## Neuroptera

☐ 010901 Sisyridae

## Lepidoptera

☐ 011001 Noctuidae  
☐ 011002 Pyralidae

## Decapoda

☒ 020101 Astacidae  
☐ 020102 Cambaridae

## Amphipoda

☐ 020201 Gammaridae  
☐ 020203 Talitridae

## Isopoda

☐ 020301 Asellidae

030200 Hydracarina

Haplosclerina

110101 Spongillidae

Hydroidea

210101 Hydriidae

Tricladida

310101 Planariidae

310102 Dendrocoelidae

500000 PHYLIUM NEMATODA

810100 Plesiopora

810200 Opisthopora

820000 CLASS HIRUDINIA

910000 CLASS GASTROPODA

920000 CLASS PELECYPODA

(Punch written comments, end card with full word, within data group number cards sequentially right justified in col. 23-24.)

Yr. 7 6  
19

Dup. col. 1-20 

21	



## PENNSYLVANIA FISH COMMISSION

## Stream Examination Report

## STREAM LOCATION

Card Format: 

0	1
---	---

 Latitude 

4	1	5	5	5	7
---	---	---	---	---	---

 Longitude 

7	5	2	3	5	5
---	---	---	---	---	---

 Stream Name 

S	H	E	R	M	A	N	C	R	E	E	K								
---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--

County 

W	A	V	A		
---	---	---	---	--	--

 Length 

5	1	0
---	---	---

 Drainage 

0	0	2	3	9	3
---	---	---	---	---	---

 Mgt. Area 

5	0	1	A
---	---	---	---

Tributary to 

D	E	L	A	W	A	N	E											
---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--	--

 Latitude 

4	1	5	5	5	7
---	---	---	---	---	---

 Longitude 

7	5	2	3	5	5
---	---	---	---	---	---

 C 

1
---

## SECTION LIMITS

Card Format: 

0	2
---	---

 Dup. col. 3-14 

0	4
---	---

 - 

7	4
---	---

 Length 

5	4	3
---	---	---

 Area 

0	0	2	3	9	3
---	---	---	---	---	---

 Class 

2	7
---	---

 USGS Quad. 

0	1	2	4
---	---	---	---

Latitude 

4	1	5	5	5	7
---	---	---	---	---	---

 Longitude 

7	5	2	3	5	5
---	---	---	---	---	---

 Upstream to 

4	1	5	5	5	7
---	---	---	---	---	---

 Longitude 

7	5	2	3	5	5
---	---	---	---	---	---

 C 

1
---

## DESCRIPTION (Do Not Punch)

Stream Examiners: Billingsley, Bourke, Hoopes, Hallowell

Downstream Limit: NEW YORK - Pennsylvania border

Upstream Limit: private road 0.5 km above intersection of L.R. 63098 and T-673

## SOCIAL DATA

Card Format: 

0	3
---	---

 Dup. col. 3-18 

0	6	7	6
---	---	---	---

 No. Yr. 

0	6	7	6
---	---	---	---

----- Riparian Ownership -----

#/km	FOR	PARK	PGC	PFC	CIV	FED	PVT OPEN	PVT CLOSED																											
<table border="1"><tr><td>0</td><td>5</td><td>2</td></tr></table>	0	5	2	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0	<table border="1"><tr><td>0</td><td>0</td><td>7</td></tr></table>	0	0	7	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0
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0	0	0																																	
0	0	7																																	
0	0	0																																	
23	29	30	33	36	39	42	45	48																											

----- Accessibility -----

Pop. Dens.	RdX/km	% 100m	% 300m	% 500m	PVT	PUB	CM	PUB	C																													
<table border="1"><tr><td>0</td><td>0</td><td>0</td><td>6</td></tr></table>	0	0	0	6	<table border="1"><tr><td>0</td><td>0</td><td>7</td></tr></table>	0	0	7	<table border="1"><tr><td>0</td><td>7</td><td>1</td></tr></table>	0	7	1	<table border="1"><tr><td>1</td><td>0</td><td>0</td></tr></table>	1	0	0	<table border="1"><tr><td>1</td><td>0</td><td>0</td></tr></table>	1	0	0	<table border="1"><tr><td>1</td><td>0</td><td>0</td></tr></table>	1	0	0	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0	<table border="1"><tr><td>0</td><td>0</td><td>0</td></tr></table>	0	0	0	<table border="1"><tr><td>2</td></tr></table>	2
0	0	0	6																																			
0	0	7																																				
0	7	1																																				
1	0	0																																				
1	0	0																																				
1	0	0																																				
0	0	0																																				
0	0	0																																				
0	0	0																																				
2																																						
51	55	58	61	64	67	70	73	76	79																													

----- Parking -----

----- Boat Launch -----

## FOR CENTRAL OFFICE USE ONLY

## Unit Recommendations:

Date: 10/18/77

Recommend this report be approved for inventory use. For present program, the stocking limits are to be from the stateline upstream to private road 0.3 mile above intersection of L.R. 63098 and T-673. Length 4.3 km (2.7 miles). Area 2.9 ha. (7.1 acres).

The Waterways Patrolman should continue to make an effort to open up the posted waters. If sufficient posting continues, chances are quite good recommendation will be made to remove this stream from the approved stocking list.

Section Chief Action:

Approved - Robert M. Green 10/21/77

Division Chief Action:

APPROVED

BY Delano R. Graft

DATE 10-24-77

Sherman Creek

NAME OF STREAM Sherman Cr.Latitude 4115957, Longitude 0752355 County Way Length (km) 0095Drainage Area (km<sup>2</sup>) 003393

Mgt. Area

Tributary to W. Br. Delaware R.Latitude 415631, Longitude 0751646

SECTION LIMITS:

Str. Latitude 415957, Str. Longitude 0752355Length 025 km Area 00065 ha USGS Quad. 01224

Description:

State Game Lands #70 borderUpstream to State Game Lands #70 borderLatitude 415815, Longitude 0752632Upstream to 415724, Longitude 0752540 Sec. No. 02 Class

SOCIAL DATA:

Str. Latitude 415957, Str. Longitude 0752355Section No. 02Pop. Density 0006 #/sq. km

Riparian Ownership (%):

No./km 0004

Bur. For. Bur. Park

PGC

PFC

Civ.

Fed.

Pvt. Fish. Pvt. No. Fish

Accessibility: % 100 m 060% 300 m 100% 500 m 100No. Rd. X per km 004Parking 001 #/km

STATION LOCATION:

Str. Latitude 415757, Str. Longitude 0752355Station No. 0201Sta. Latitude 415815, Sta. Longitude 0752632M D Y 06 22 76Desc.: lower end of State Game Lands #70 Exm.: Billingsley, Bourke, Hoopes, Hallawell USGS Quad. 01224

PHYSICAL DATA

Str. Latitude 415957, Str. Longitude 0752355Station No. 0201Length (m) 0300Width (m) 0026Area (ha) 00078Grad. (m/km) 260 Geo. 0905

Flow

Bnk. Erosn.

Shade

Bnk. Veg.

Sub. Comp.

High 0123  
Norm.  
LowHvy. 1234  
Mod. Lite NoneDens. 123  
Prtl. OpenAgri. 1234  
GsSd. Shrb. TreeBdrk. 123456  
Bldr. Rubl. Grvl. Sand Silt

CHEMICAL DATA:

Str. Latitude 415957, Str. Longitude 0752355Station No. 0201Time 0930Air Temp (C) 37.0H<sub>2</sub>O Temp (C) 17.5Spec. Cond. 0035pH 07.1Tot. Alk. 018Tot. Hard. 024

DEP Stream Code: 06656

FISH ABUNDANCE		Str. Latitude	Str. Longitude	Sta. No.							
Code Number	Name	Size Group (mm)	M	C	R	N	±Conf. Limits	#/ha	Mean Wt.	kg/ha	#/hr
01603021	S. tuckia	0-49	11	5	0	Y Y Y Y	Y Y Y Y	X Y Y Y	21	Y Y Y Y	0300
		50-99	6	9	0	Y Y Y Y	Y Y Y Y	X X Y Y	36	X Y Y Y	0114
		100-149	1	3	0	X X Y Y	Y Y X Y	X Y X X	23	Y X Y Y	0030
		150-199	12	18	3	000622	000419	07955	20	000114	0300
	S. fontinalis	0-49	12	18	3	000622	000419	07955	20	000114	0300
		50-99	42	48	14	01140	00558	17944	2	000334	0330
		100-149	18	13	9	00227	00009	03446	26	000910	0711
		150-199	8	8	6	001122	00004	01544	50	000717	136
		2150-199						154		7.7	136

PFC-

## PENNSYLVANIA FISH COMMISSION

## Stream Examination Report

NAME OF STREAM Sherman Ck. Latitude 41°59'57" Longitude 075°23'55" County Laurel Length (km) 009.5

Drainage Area (km<sup>2</sup>) 0023.9 Mgt. Area 05 Tributary to W Br Delaware R. Latitude 41°56'20" Longitude 075°16'46"

SECTION LIMITS: Str. Latitude 41°59'57" Str. Longitude 075°23'55" Length 04.3 km Area 002.88 ha USGS Quad. 011224

Latitude 41°59'57" Longitude 075°23'55" Upstream to Latitude 41°58'57" Longitude 075°24'52" Sec. No. 04 Class

Description: New York-Pennsylvania border Upstream to potable rd. 0.5 km above intersection of L.R. 63098 and T673

SOCIAL DATA: Str. Latitude 41°59'57" Str. Longitude 075°23'55" Section No. 04 Pop. Density 0000 #/sq. km 0000

Riparian Ownership (%): No./km 0058 Bur. For. 000 Bur. Park 000 PGC 000 PFC 000 Civ. 000 Fed. 000 Pvt. Fish 033 Fish o.k. 007

Accessibility: % 100 m 071 % 300 m 100 % 500 m 100 No. Rd. X per km 007 Parking 030 #/km

STATION LOCATION: Str. Latitude 41°59'57" Str. Longitude 075°23'55" Station No. 0461 Sta. Latitude 41°59'44" Sta. Longitude 075°24'57" N 06 D 22 Y 76

Desc.: bridge on L.R. 63059 below confluence with Stalwood Ck. Exm.: Billmeyer, Zorke, Hedges USGS Quad. 011224

PHYSICAL DATA: Str. Latitude 41°59'57" Str. Longitude 075°23'55" Station No. 0401 Length (m) 0425 Width (m) 006.7 Area (ha) 002.85 Grad. (m/km) 157 Geo. 0905

Flow: High 123 Norm. 123 Low 123 Bnk. Ersn: Hvy. 123 Mod. 04 Lite 04 None 04 Shade: Dens. 123 Prtl. 03 Open 03 Bnk. Veg: Agri. 123 GsSd. 03 Shrb. 03 Tree 03 Sub. Comp: Bdrk. 123 Bldr. 03 Rubl. 03 Grvl. 03 Sand 03 Silt 03

CHEMICAL DATA: Str. Latitude 41°59'57" Str. Longitude 075°23'55" Station No. 0401 Time 1500 Air Temp (C) 27.0 H<sub>2</sub>O Temp (C) 20.0 Spec. Cond. 0050 pH 07.1

Tot. Alk. 016 Tot. Hard. 026



[illegible]

Comments and Recommendations

NAME OF STREAM Sherman Ck Latitude 41 54 57 Longitude 0 75 23 55 County Wayne Sec. No. 64

Code No.	Location	Statement
<u>11</u>	<u>415457 752355</u>	Stream flows into New York State. Mouth latitude and longitude are given at state border.
<u>12</u>	<u>415457 752355 02</u>	One additional section to include posted land (Section 03) Present management: does not meet study requirements.
		Access is available by PGC service road. Truck & 4-wheel drive only.
<u>22</u>	<u>415457 752355 02</u>	Include in Wildernes Trout Stream program.
<u>13</u>	<u>415457 752355 02</u>	Owned by PGC. State Game lands #70
<u>19</u>	<u>415457 752355 0201</u>	Efficiency affected by high water and heavy cover. Gear: Collett backpack, 500 Volt A.C., 22 minutes
		Efficiencies: sublegal trout 29% legal trout 75%
		Trout:
		Brown Trout not available
		Brook Trout $\frac{2089/\text{ha}}{2089/\text{ha}}$ $\frac{21.9\text{ kg/ha}}{21.9\text{ kg/ha}}$
<u>12</u>	<u>415457 752355 04</u>	Present management: Stocked muscraon (500 brook trout) from mouth upstream to posted property adjoining state Game lands. 3.2km (2.0mi) and 1.2ha (2.9 acres)
<u>22</u>	<u>415457 752355 04</u>	<del>Recommend eliminate brook trout stocking and stock with brown trout if we must stick at all</del> Recommend better defining on lower stocking limit