

Date 6/26/2000

Facility Name Paddock Lake Potw

Receiving Water SALEM BRANCH OF BRIGHTON CR.

Evaluated by WU WOLWYZO

This stream classification is not included in the revised code because (select one):

The discharger is no longer at this location.

A new classification has resulted in a full fish and aquatic life designation.

New survey date \_\_\_\_\_ Please provide copy of new classification report.

This receiving water should be added to the database and to the code. Specify information, as it should be included in code.

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Other (please explain)

THIS FACILITY HAS BEEN ABANDONED AND NO  
LONGER DISCHARGES TO THIS STREAM

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Salem, Kenosha County  
Des Plaines River Basin

Observations

The effluent from the Salem Wastewater Treatment Plant is discharged to the Salem Branch, which has a  $7Q_{10}$  of 0 cfs and a drainage area of 3.80 square miles, of Brighton Creek. The stream originates at Hookers Lake and flows northeast to Brighton Creek, which is tributary to the Des Plaines River. The outfall is located approximately 3.5 miles above the confluence with Brighton Creek.

The reach of stream above the Salem Wastewater Treatment Plant is non-continuous. The streambed is predominantly mud with isolated pools located throughout the reach. The large cattail marsh, which borders this outlet of Hookers Lake, is considered an important spawning area for northern pike.

The stream reach extending from the outfall down to the confluence with Brighton Creek is characterized by low current velocities and a soft muck bottom. Wetlands border the stream for much of the reach. An electrofishing survey conducted by Department of Natural Resources personnel in October, 1975 near STH 50, collected the following fish: 1 northern pike, 1 white sucker, 1 green sunfish, 1 black-sided darter, 1 creek chub, and 1 juvenile black bullhead. Crayfish were also observed in the area.

Brighton Creek originates at League Lake flows west and south through a marsh and then flows east to the confluence with Salem Branch. An electrofishing survey conducted by Department of Natural Resources personnel in October, 1975 near Hwy. K, collected the following fish: 1 carp and 1 pirate perch. The stream in this area is approximately 20 feet wide and 3 feet deep with no perceptible flow. The substrate is predominantly muck and detritus.

Recommendations

Paddock Lake and Hookers Lake, including the wetland to the east, shall be classified as lake. The reach of Salem Branch extending from the dirt road just below Hookers Lake to 216th Avenue shall be classified as non-continuous intermediate aquatic life. Paddock Lake tributary shall be classified as non-continuous intermediate aquatic life. The reach of Salem Branch extending from 216th Avenue to the confluence with Brighton Creek shall be classified continuous fish and aquatic life. Brighton Creek shall be classified continuous fish and aquatic life for its entire length.

Drop  
Bioside

4-11-77  
4-11-77

Salem Branch - Salem, Kenosha Co.  
SOUTHEAST DISTRICT

Surface Water (Facility Affected) <i>Kenosha</i>	Reach Description	Hydrologic Classification <i>(Q 7.10)</i>	Applicable Criteria (1)	Effluent Limitations (2) <i>0.10</i>
	Hooker's Lake & Swamp to the East	Lake	Lake	
	Paddock Lake Trib	<i>(0)</i> NON-CONT	DIFFUSED ST. H <sub>2</sub> O	
SALEM BRANCH (DES. PLAINS)	SALEM BRANCH FROM DIRT ROAD TO 216TH AVE.	<i>(est &lt; .1)</i> NON-CONT.	INT AQ	<b>(A)</b>
SALEM UNIT DIRT, KEN	SALEM BRANCH FROM 216TH AVE. TO BRIGHTON CREEK CONFLUENCE	CONTINUOUS	FISH & AQ LIFE	
	BRIGHTON CREEK FROM CONFLUENCE WITH SALEM BRANCH ON TO DES PLAINS	CONTINUOUS	FISH & AQ LIFE	



RICHARD BONG AIR FORCE BASE (ABANDONED)

B R I G H T O N

P A R I S

BM 838 Klondike

Paddock Lake

B R I S T O L

Silver Lake

Center Lake

Salem Oaks

George Lake

Camp Lake

Trevor

Liberty Corners

Pausch Lake

Peat Lake

Rock Lake

Cross Lake

Lake Shangrila

Benet Lake

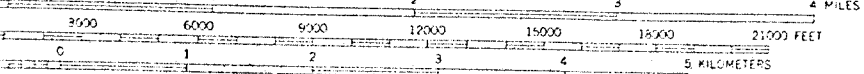
Mud Lake

WISCONSIN ILLINOIS (GRAYS LAKE) R 20 E.

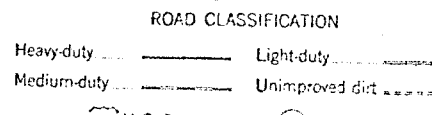
KENOSHA CO. LAKE CO. 417000m. E.

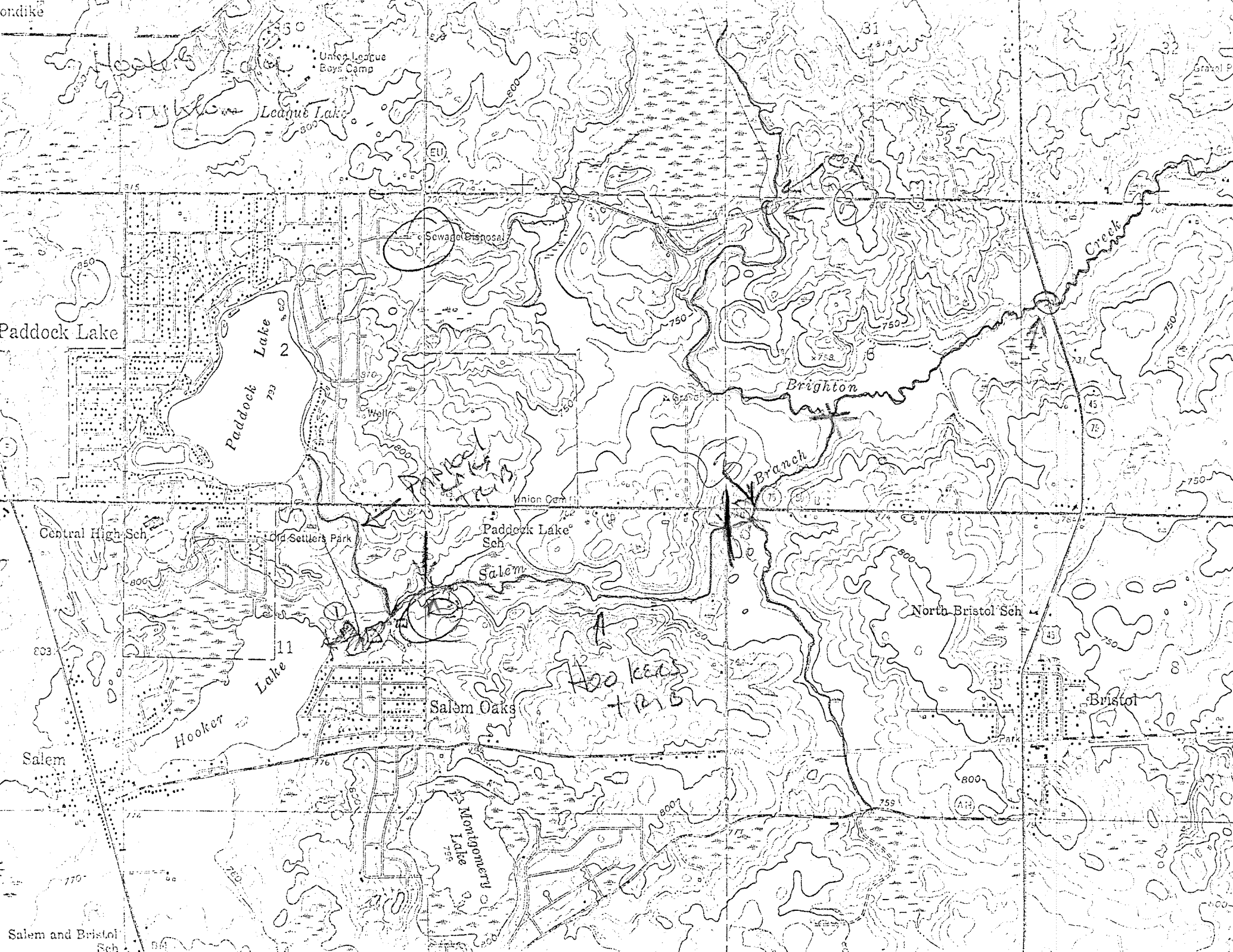
SCALE 1:62500

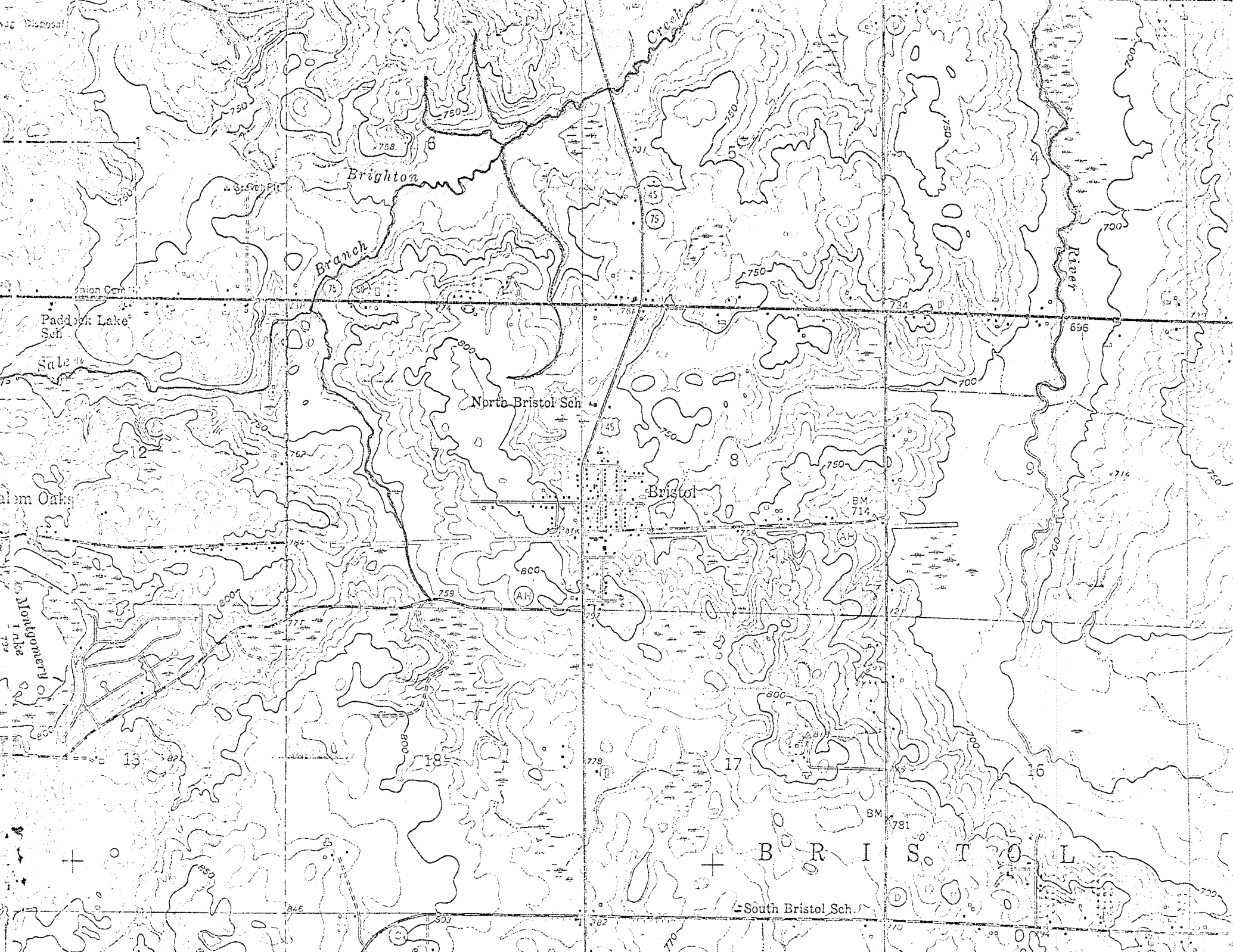
INTERIOR GEOLOGICAL SURVEY, WASHINGTON D. C. - 1992  
MILLIGAN 52 MI. DES PLAINES 35 MI.



CONTOUR INTERVAL 20 FEET  
DATUM IS MEAN SEA LEVEL







Brighton

Branch

North Bristol Sch

Bristol

BRISTOL

South Bristol Sch

Paddock Lake Sch

alem Oaks

Montgomery

Graves Pit

Union Cem

Park

BM 714

BM 781

758

731

45

75

750

River

696

700

12

750

762

759

800

AH

750

750

714

750

700

13

822

18

800

778

17

800

700

16

700

702

770

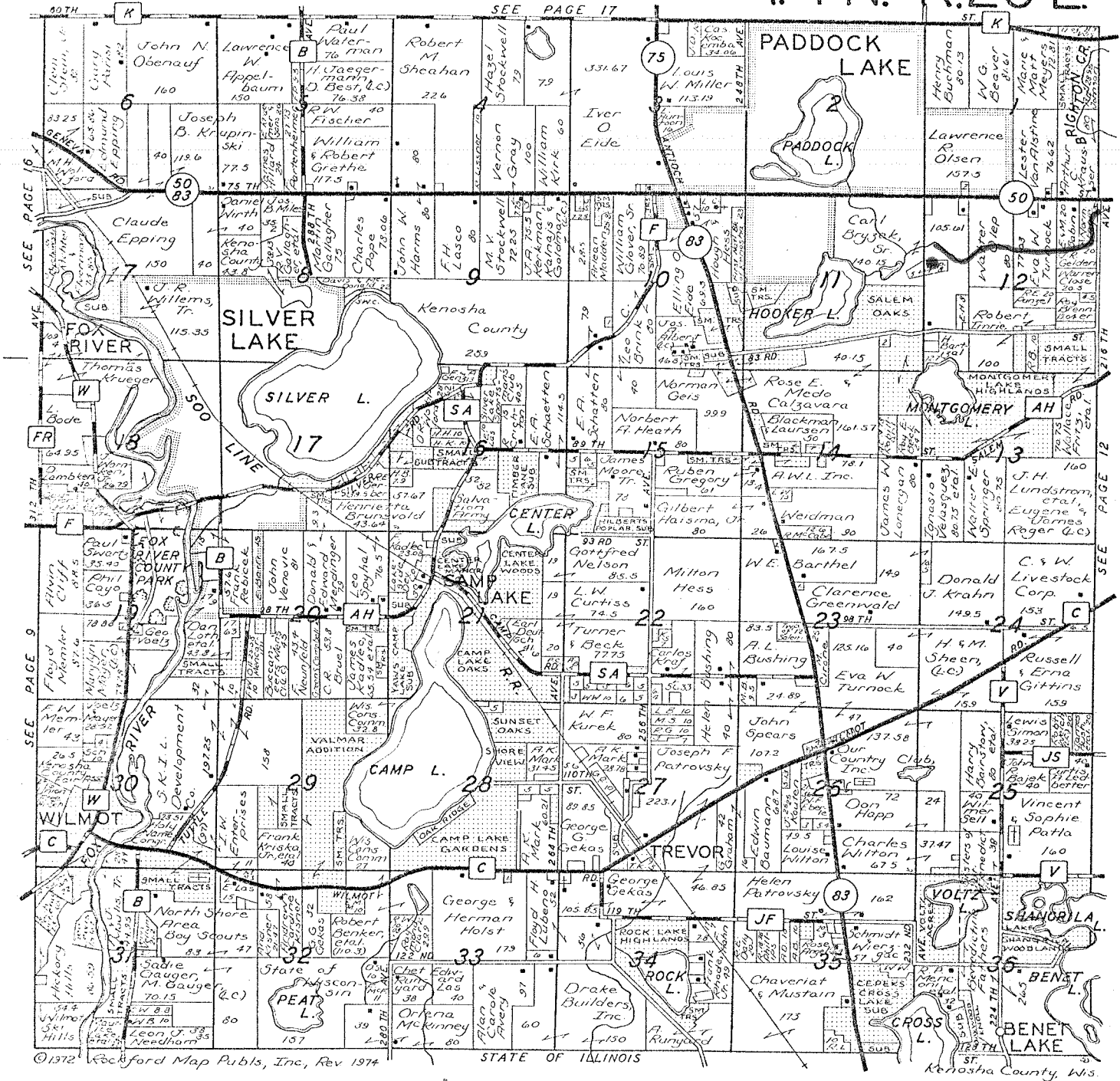
713

894

799

# SALEM

# T. 1 N.-R. 20 E.



## PADDOCK LAKE REALTY

PHONE: 414 - 843-3000

24826 73rd STREET - PADDOCK LAKE, WISCONSIN

MAIL ADDRESS: P.O. BOX 67 - SALEM, WISCONSIN 53168

