

G W 15167 10

DOI # 170028-01

FORM 9-1642 (1-68)

345005090113601

Well No.

J 14

WELL SCHEDULE

PUNCHED

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Chickasaw Bluffs and Delta Ridge Mobile Home area

MASTER CARD

Record by J. Shell Source of data BOWC Date 4/69 Map Blinks 29C

State 49 40 28 County (or town) De Soto 14 17

Latitude: 34 50 05 N Longitude: 09 01 13 W Sequential number: 1

Lat-long accuracy: 5 3 9 18 55 30 NE NE

Local well number: 0014 AA 1803 09 W Other number: NMS UTIL

Local use: 009 Owner or name: Tricity Water Co

Owner or name: ~~TRICITY WATER CO~~ Address: Walkam Development of Chickasaw Bluffs, Miss.

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, North MS utility Co

Stock, Inanit, Unused, Repreasure, Recharge, Desal-P S, Desal-other, Other P

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. W

DATA AVAILABLE: Well data 70 Freq. W/L meas: 71 Field aquifer char: 72

Hyd. lab. data: 73

Qual. Water data; type: 74

Freq. sampling: 75 Pumpage inventory: yes no, period: 76

Aperture cards: 77

Log data: 78 79 SPT D

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 387 ft Meas. rept. 3

Depth cased; (first perf.): 327 ft Casing type: steel Diam. 168 in

Finish: porous concrete, gravel w. (perf.), gravel v. (screen), horiz. (gallery), open end, other S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (H) hyd, (J) jetted, (P) air percussion, (R) reverse, (T) driven, (V) drive wash, (W) other W

Date Drilled: 9/6/9 Pump intake setting: ft 30 38

Driller: name (L) (M) address

Lift (type): (A) air, (B) bucket, (C) cent, (J) multiple, (M) multiple, (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, other T Deep Shallow 40

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 75 Trans. or meter no. V

Descrip. MP Turb. flowing at 2.0302 ft above LSD, Alt. MP -

Alt. LSD: 300 260 Accuracy: (source) 4

Water Level 105 ft above MP; Ft below LSD 105 Accuracy: 52 D

Date meas: 1/6/9 Yield: 190 gpm Method determined 61

Drawdown: ft 62 Accuracy: 63 Pumping period: hrs 64 68

QUALITY OF WATER DATA: Iron ppm 69 Sulfate ppm 70 Chloride ppm 71 Hard. ppm 72

Sp. Conduct K x 10 6 Temp. \*F 74 76 Date sampled 77 79

Taste, color, etc.

DEC 9 1974

10/30/89 86.20 12/2/88 Plugged - no access RR

11/30/79 116 13.05 102.75 2.0 100.95 300 101 199

TRANSMITTED FOR ADP

Well No. J 14



De Soto  
 J 14  
 1-69

Chickasaw Well  
 Return 3/24/69  
 3/28/69

MISSISSIPPI  
 BOARD OF WATER COMMISSIONERS  
 416 North State Street  
 Jackson, Mississippi 39201

**CODED**

WATER WELL DRILLERS LOG

January 1969 CHICKASAW BLUEF LAKE DeSoto County  
 date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
Walkem Development of Miss	Clay-Yellow-REd	0	63
3120 South Perkins	Sand & Gravel	63	95
(mailing address)	Gravel	95	105
WELL LOCATION: Hwy 304	Clay & Sand Streaks	105	210
sec. 7 T. 3 N R. 7 E	Sandy Clay	210	242
3 miles West Eudora	Clay	242	273
(distance) (direction) of (nearest town)	Rock	273	274
WELL PURPOSE: D.P. Supply	Clay	274	277
(home, irrigation, municipal, industrial)	Rock	277	278
WELL COMPLETION DATA:	Clay	278	284
(1) diameter (inches) 16	Rock	284	285
(2) total depth (feet) 387	Clay	285	295
(3) static water level (feet) 105' below top of ground.	Sand	295	387
(4) casing Steel 320	Clay	387	400
(material) (depth)	Sand	400	426
16" if telescope see back.	Clay	426	454
(size)			
(5) screen 62 214 325			
(length) (depth to top)			
8" SS			
(size) (material)			
(6) pump 75 190'			
(HP) (yield gpm)			
Electric			
(type power)			
(7) electric log No			
(yes or no)			
(organization running log)			
(8) how well bottom plugged B.P. Valve			
DRILLERS REMARKS:			

**CODED**

MISS. BD. OF  
 WATER COMM.

**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW  
FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI**

**DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES  
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202**

This box is for office use only.

FORM OLWR-AP-2 (REV. 9/94)

Issued: <u>4-8-97</u>	Expires: <u>4-8-2007</u>	Fee Paid: <u>X</u>	Permit No.
Lat. <u>34-49-40</u>	Long. <u>90-11-12</u>	Elev. <u>285</u>	USGS No. <u>J14</u>
Quad. <u>Banks</u>	ASCS Farm No.	STAC. <u>06</u>	MSDOH No. <u>170028-01</u>
Aquifer: <u>SPT</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

**THIS APPLICATION IS FOR (Circle one):** NEW PERMIT RENEWAL - PERMIT NO. NGW17100014

**THIS APPLICATION IS FOR (Circle one):** GROUNDWATER COMPLETE A,B,E GW 15167

SURFACE WATER - COMPLETE A,B,E

**BENEFICIAL USE (Circle one or more):** 1) Public Supply - Municipal, Rural Water, Private Water 2) Irrigation  
3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other

**RECEIVED**  
**FEB 18 2007**  
Dept. of Environmental Quality  
Office of Land & Water Resources

**SECTION A (to be completed by ALL APPLICANTS)**

**LANDOWNER:** NORTH MISSISSIPPI UTILITY 64-0676172  
(Name) (SSN or Tax ID No.)

P O BOX 362, 1481 BYHALIA RD  
(Address)

HERNANDO MS 38632 ( 601 ) 429 - 9509  
(City) (State & Zip) (Telephone No.)

**APPLICANT, AGENT, OR LESSEE (if different from Landowner):**

\_\_\_\_\_  
(Name) (SSN or Tax ID No.)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(City) (State & Zip) (Telephone)

**Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):**

NE 1/4 of the NE 1/4 of Section 18, Township 3S, Range 9W, County DESOTO

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)? YES NO If yes, describe the nature and amount of any additional supply and, if applicable, list permit number.

**SECTION B (to be completed for GROUNDWATER SOURCE)**

1. **AQUIFER:** SPARTA **MISSISSIPPI DEPARTMENT OF HEALTH NO.:** 170028-01

2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_.  
If well has already been drilled, when was well completed (date)? JANUARY, 19 69. Under whose name was well originally drilled (if known)? \_\_\_\_\_

3. Description of proposed or completed well:  
(a) **DEPTH OF WELL:** 387 feet. **DRILLER:** CARLOSS WELL SUPPLY  
(b) **SURFACE CASING:** Length 320 feet; Diameter 16 inches; Type STEEL  
(c) **SCREEN:** Length 62 feet; Diameter 8 inches; Type STAINLESS  
(d) **PUMP:** Type \_\_\_\_\_; Size 75 HP; Capacity \_\_\_\_\_ gallons per minute; Setting depth \_\_\_\_\_ feet  
(e) **POWER UNIT:** Type \_\_\_\_\_; Size \_\_\_\_\_ horsepower

4. **PERMITTED VOLUME :**  
(a) \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute  
(b) 0.008 million gallons per day at a maximum rate of 190 gallons per minute

2-19 (CONTINUED ON BACK)

**SECTION C** (to be completed for SURFACE WATER SOURCE)

- Source of water is from \_\_\_\_\_ which drains into \_\_\_\_\_  
which drains into \_\_\_\_\_  
(major stream or river)
- Description of pump/diversion works:  
Pump (size & type): \_\_\_\_\_ Power Unit (size & type): \_\_\_\_\_  
Lift: \_\_\_\_\_ feet Maximum capacity: \_\_\_\_\_ gallons per minute
- \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute

**SECTION D** (to be completed for SURFACE WATER IMPOUNDMENTS (DAMS) on continuously flowing streams)

- Name of storage reservoir: \_\_\_\_\_ Dam Height: \_\_\_\_\_ feet
- Surface area at normal pool: \_\_\_\_\_ Storage capacity at normal pool: \_\_\_\_\_ acre-feet

**SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)**

- IRRIGATION:** List the number of acres of each crop to be irrigated: Rice \_\_\_\_\_; Cotton \_\_\_\_\_; Oats \_\_\_\_\_; Corn \_\_\_\_\_; Soybeans \_\_\_\_\_; Pasture \_\_\_\_\_; Truck \_\_\_\_\_; Wheat \_\_\_\_\_; Grain Sorghum \_\_\_\_\_; Other (specify) \_\_\_\_\_ Acres

A. Method of Irrigation (circle one) - Center Pivot Flood Furrow

B. Land Condition (circle one) - Precision Land Formed Smoothed

C. ASCS Farm No. \_\_\_\_\_ Tract No. \_\_\_\_\_

- FISH CULTURE:** Explain how water will be used: \_\_\_\_\_  
How often will reservoir (s) be emptied and refilled? \_\_\_\_\_
- MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEMS**  
Chose "a" or "b". (a) The number of people served is 842 (b) The number of connections is \_\_\_\_\_  
What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years?  

70,000	2000	75,000	2005	78,000	2010	81,000	2015
(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)

- INDUSTRIAL:** If the water is to be released into a watercourse, indicate the amount released each year \_\_\_\_\_  
Rate of release \_\_\_\_\_; NPDES Permit No. \_\_\_\_\_  
Explain any changes in quality of water to be released: \_\_\_\_\_  
Explain how water will be used: \_\_\_\_\_  
How much groundwater will be used for once-through non-contact cooling? \_\_\_\_\_

- RECREATION:** Explain how water will be used: \_\_\_\_\_

- OTHER USE:** Explain in detail (if needed, attach another page): \_\_\_\_\_

- REMARKS:** THIS IS A STANDBY WELL

List below the person to be contacted for additional information if required.

BILL J ROBERSON  
(Name)  
P O BOX 362  
(Address)  
HERNANDO, MS 38632  
(City, State, Zip)  
601-429-9509  
(Telephone)

The accompanying map is hereby declared a part of this application. For irrigation and fish culture use, an ASCS photograph is required. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

Bill J. Roberson  
(Signature)

Subscribed and sworn to before me this 13<sup>th</sup> day of Feb, 1997, at Hernando County of Mississippi  
My commission expires March 23, 1998; Thomas K. Whitson Notary Public.

Can not find a permit number for either well

show both wells or standby but show permeage

Mississippi Department Of Environmental Quality  
Office of Land and Water Resources

Water Supplier Information Sheet

Name of Water System NORTH MISSISSIPPI UTILITY - CHICKASAW BLUFFS  
Mailing Address P O BOX 362  
City HERNANDO County DESOTO Zip 38632  
Health Department (Public Water Supply) ID Number 0170028

Name of Owner BILL J. ROBERSON, PRESIDENT  
Address P O BOX 362  
City HERNANDO County DESOTO Zip 38632

Water Superintendent/Operator

Name BILL J. ROBERSON  
Address P O BOX 362  
City HERNANDO Zip 38632  
Work Phone 429-9509 Home Phone 429-2329

MSDH Certification Number 800051

Secretary/Treasurer/Bookkeeper

Name RHONDA ALLISTON  
Address P O BOX 362  
Work Phone 429-9509 Home Phone \_\_\_\_\_

System Information

How many usable sources of water (wells for groundwater systems, purchase points if buying water, etc.) does this system have? Wells 2 Purchase Points 0  
Others (explain) \_\_\_\_\_

How many active connections on this system? 250

How many people does this system serve? 750

*original  
Trinity  
Mr Wilson*

How many gallons of water did this system:  
pump during the 1993 calendar year (Jan - Dec )? 9,600,000 gal.  
sell during the 1993 calendar year ( Jan - Dec )? 0 gal.

How many gallons of water did this system purchase during the 1993 calendar year (Jan - Dec )?  
0 gal. From whom? \_\_\_\_\_

Name of individual completing this form: ROBYN PRESSLEY  
Phone Number: Work 429-9509 Home \_\_\_\_\_

The wells were active in 1993, but became ~~inactive~~ inactive after 1993

Mississippi Department of Environmental Quality  
Office of Land and Water Resources

Well Data Form

NORTH MISSISSIPPI UTILITY -

Name of Water System or Facility CHICKASAW BLUFFS Date \_\_\_\_\_  
Number of wells 2 PWS ID 0 1 7 0 0 2 8 Sheet No. 1 of 1

PWS Well ID No. 0 1 7 0 0 2 8 - 0 1 Date of Construction 1969

Well Depth 387 ft. Casing diam. 16 in. Type pump TURBINE  
Active  Unused  Standby  Abandoned  Metered  yes  no  
Pumping Rate: 500 gpm. Average time of daily operation: 3 hrs.  
Location Description HWY 304 AT WOODLAND DR

Remarks \_\_\_\_\_

*GW-99993 (false # till permit is processed)*

PWS Well ID No. 0 1 7 0 0 2 8 - 0 2 Date of Construction 1972

Well Depth 279 ft. Casing diam. 8 in. Type pump TURBINE  
Active  Unused  Standby  Abandoned  Metered  yes  no  
Pumping Rate: 500 gpm. Average time of daily operation: 3 hrs.  
Location Description HWY 302 AT WOODLAND DR

Remarks \_\_\_\_\_

*GW-99992 (false # till permit is processed)*

PWS Well ID No.        -   Date of Construction \_\_\_\_\_

Well Depth \_\_\_\_\_ ft. Casing diam. \_\_\_\_\_ in. Type pump \_\_\_\_\_  
Active  Unused  Standby  Abandoned  Metered  yes  no  
Pumping Rate: \_\_\_\_\_ gpm. Average time of daily operation: \_\_\_\_\_ hrs.  
Location Description \_\_\_\_\_

Remarks \_\_\_\_\_

PWS Well ID No.        -   Date of Construction \_\_\_\_\_

Well Depth \_\_\_\_\_ ft. Casing diam. \_\_\_\_\_ in. Type pump \_\_\_\_\_  
Active  Unused  Standby  Abandoned  Metered  yes  no  
Pumping Rate: \_\_\_\_\_ gpm. Average time of daily operation: \_\_\_\_\_ hrs.  
Location Description \_\_\_\_\_

Remarks \_\_\_\_\_

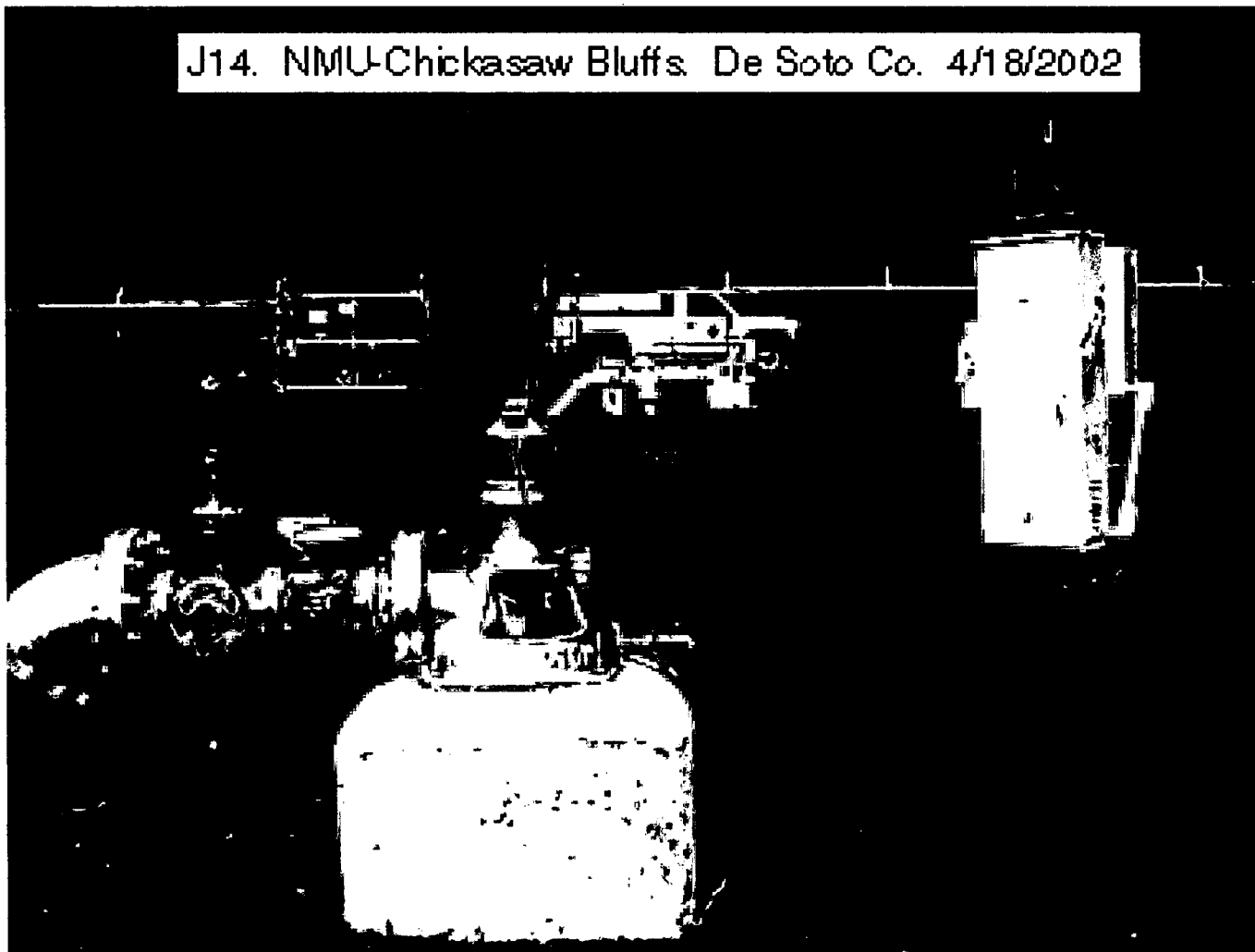
PWS Well ID No.        -   Date of Construction \_\_\_\_\_

Well Depth \_\_\_\_\_ ft. Casing diam. \_\_\_\_\_ in. Type pump \_\_\_\_\_  
Active  Unused  Standby  Abandoned  Metered  yes  no  
Pumping Rate \_\_\_\_\_ gpm. Average time of daily operation \_\_\_\_\_ hrs.  
Location Description \_\_\_\_\_

Remarks \_\_\_\_\_

033J0014.bmp

J14. NMU-Chickasaw Bluffs. De Soto Co. 4/18/2002





SPARTA

DATA SHEET-VERIFICATION CHECKLIST

COUNTY DESOTO

QUAD BANKS

WELL OWNER CHICKASAW BLUFF (N. MISS. UTL)

CHECKED

U.S.G.S. NO. J14

EMD  
11-7-95

B.O.H. NO. \_\_\_\_\_

OLWR NO. \_\_\_\_\_

LOCATION:

MAP SE SW NE NE 18 3S 9W

GPS \_\_\_\_\_

ELEV. (MSL) 300

W.L. (L.S.) (1) 106.62

(2) 106.6

HEAD (MSL) 193.4

SCREENED INTERVAL 325-387

AQUIFER VERIFIED SPARTA

PREVIOUS W.L. 86.2 10-30-89 (DOES NOT SEEM RIGHT)

DATA ENTERED \_\_\_\_\_

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

SHB + PEG  
USER NAME(S): LAN / DRS DATE: 8-21-96  
UNIT DEQ #: 84090 FILE #: 80726230  
HEALTH DEPT. #: 170028-01 ELEV. 245 <sup>A082120A</sup>  
USGS #: 511 J14 OLWR #: MS-6W-151.67  
OWNER: N. MS. MTL. / Chickasaw Bluff  
LOCATION: SE / NE / NE S 18 T 35 R 9W COUNTY: De Soto  
BANKS Quad.  
LOCATION DESCRIPTION: Well next to gate in fenced area.  
CASING DIA: 8" PUMP TYPE & SIZE: Turbine 15  
GPS FIELD LOCATION: LAT. 34-49-667 N LONG. 90-11-219 W  
34° 49' 708"  
GPS CORRECTED LOCATION: LAT. 34.82832401 LONG. 90-11-205"  
90.18725110  
REMARKS: 1.1 miles off Hwy 304 on Sequoyah Dk.  
in Chickasaw Bluff Lakes. Wells are  
on left side

X

14000W

13500W

13000W

SEE PAGE 50

12500W

12000W

R 9 W

11500W

11000W

T 3 S

A

**RECEIVED**

FEB 18 1997

Dept. of Environmental Quality  
Office of Land & Water Resources

B

*60/161*

THIS AREA NOT MAPPED

D

E

TUNICA COUNTY  
DESOTO COUNTY

304

18

- E. SECOND OAK CV.
- F. FIRST OAK CV.
- G. SECOND HICKORY NUT CV.
- H. FIRST HICKORY NUT CV.

- A. SECOND CYPRESS CV.
- B. FIRST CYPRESS CV.
- C. FIRST BEECH CV.
- D. SECOND BEECH CV.

1000S

1500S

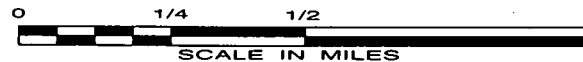
2000S

2500S

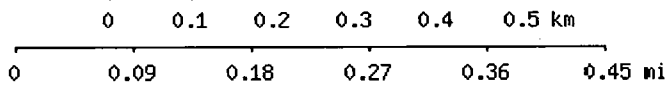
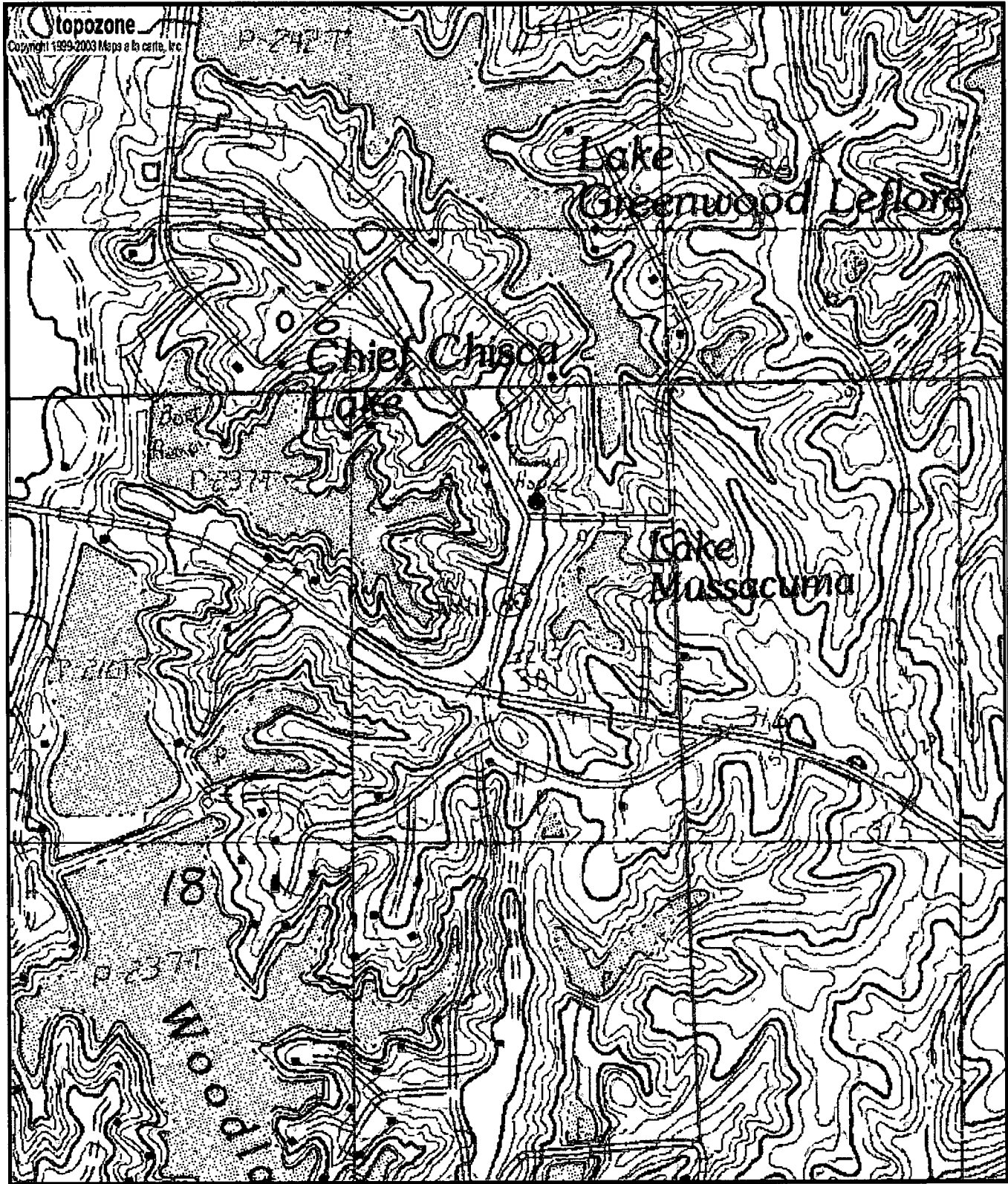
3000S

SEE PAGE 61

SEE PAGE 70







Map center is 34° 49' 42"N, 90° 11' 14"W (WGS84/NAD83)  
**Banks** quadrangle  
 Projection is UTM Zone 15 NAD83 Datum



M=0.139  
 G=1.608