Byron Public Well #2
ILD 981960776
L1410000000 -- Ogle County
IEPA/DPWS Facility # 1410100 Well 11777

NO RCRA (not listed) code

5C0301 - further Research Required by State

EPA POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE: ILD | 02 SITE NUMBER: 981960776

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site): Byron Public Well #2	02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER: Blackhawk and Union Street
03 CITY: Byron	04 STATE: IL; 05 ZIP CODE: 61010-9999; 06 COUNTY: Ogle; 07 COUNTY CODE: 141; 08 CONG DIST: 16
09 COORDINATES LATITUDE: 42 07 30.0; LONGITUDE: 089 15 30.0	Seward Quadrangle

10 DIRECTIONS TO SITE (Starting from nearest public road): Southeast of the intersection of IL Rte 2 and IL Rte 72

III. RESPONSIBLE PARTIES

01 OWNER (if known): City of Byron	02 STREET (Business, mailing, residential): 120 North Union Street
03 CITY: Byron	04 STATE: IL; 05 ZIP CODE: 61010-9999; 06 TELEPHONE NUMBER: (815) 234-2762
07 OPERATOR (if known and different from owner): Harold L. Fry	08 STREET (Business, mailing, residential): 120 North Union Street
09 CITY: Byron	10 STATE: IL; 11 ZIP CODE: 61010-9999; 12 TELEPHONE NUMBER: (815) 234-2762

13 TYPE OF OWNERSHIP (Check one)
☐ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☒ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☐ A. RCRA 3001 DATE RECEIVED: __/__/__ (MONTH DAY YEAR) ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: __/__/__ (MONTH DAY YEAR) ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION
☒ YES DATE 6 25 86 (MONTH DAY YEAR)
☐ NO

BY (Check all that apply)
☐ A. EPA ☐ B. EPA CONTRACTOR ☒ C. STATE ☐ D. OTHER CONTRACTOR
☐ E. LOCAL HEALTH OFFICIAL ☐ F. OTHER: _____ (Specify)
CONTRACTOR NAME(S): _____

02 SITE STATUS (Check one)
☒ A. ACTIVE ☐ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
1929 (BEGINNING YEAR) | Present (ENDING YEAR) ☐ UNKNOWN

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Solvents (Toxic, Persistant)

RECEIVED APR 2 1988 Pre-Remedial

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION
Groundwater (Population, Environment)
Surface Water (Population, Environment)

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☒ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT	02 OF (Agency/Organization)			03 TELEPHONE NUMBER
Harold L. Fry	City of Byron			(815) 234-2762
04 PERSON RESPONSIBLE FOR ASSESSMENT	**05 AGENCY**	**06 ORGANIZATION**	**07 TELEPHONE NUMBER**	**08 DATE**
Gary Reside	IL EPA	Div. Land Pollution Control	(217) 782-6760	2 5 88 (MONTH DAY YEAR)

EPA FORM 2070-12 (7-81)

EPA Region 5 Records Ctr.
298837

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	981960776

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)

A SOLID
B POWDER, FINES
C SLUDGE
D OTHER _____ (Specify)
E SLURRY
F LIQUID
G GAS

02 WASTE QUANTITY AT SITE (Measures of waste quantities must be independent)

TONS
CUBIC YARDS Unknown
NO OF DRUMS

03 WASTE CHARACTERISTICS (Check all that apply)

A TOXIC
B CORROSIVE
C RADIOACTIVE
D PERSISTENT
E SOLUBLE
F INFECTIOUS
G FLAMMABLE
H IGNITABLE
I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS	Unknown		
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

01 CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
Sol	Trichloroethylene	79016	Unknown	10	ppb

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	Unknown	Unknown	FDS	Unknown	Unknown
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

Illinois Municipal Directory 1987-88 (Part 1 Sec 2+3)
Public Water Supply/Division File (Part 1, Sec IV)
U.S. Public Water Supply/Groundwater Monitoring Files (Part 2, Sec IV)
Harold L. Fry, Superintendent of Public Water for Byron (Part 1, Sec III)
United States Geological Survey - Topographical Map (Part 1, Sec II)

EPA FORM 2070-12 (7-81)

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
ILD	981960776

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 [X] A. GROUNDWATER CONTAMINATION — 02 [X] OBSERVED (DATE 8-25-87) — POTENTIAL — [X] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 3,050 — 04 NARRATIVE DESCRIPTION

Samples of the well were taken on June 25, 1986, November 5, 1986 and August 25, 1987. These samples revealed the presence of trichloroethylene at concentrations of 3.0ppb, 6.0 ppb and 10 ppb respectively.

01 [X] B. SURFACE WATER CONTAMINATION — 02 [ ] OBSERVED (DATE:) — [X] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Unknown — 04 NARRATIVE DESCRIPTION

Byron Public well #2 is 673 feet deep through multiple aquifers. The well is located approximately 500 yards from the Rock River. While there is no evidence of Trichloroethylene contamination in the river the possibility of surface water exists.

01 [ ] C. CONTAMINATION OF AIR — 02 [ ] OBSERVED (DATE) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

Unknown

01 [ ] D. FIRE/EXPLOSIVE CONDITIONS — 02 [ ] OBSERVED (DATE:) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

Unknown

01 [ ] E. DIRECT CONTACT — 02 [ ] OBSERVED (DATE) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

Unknown

01 [X] F. CONTAMINATION OF SOIL — 02 [ ] OBSERVED (DATE) — [X] POTENTIAL — ALLEGED
03 AREA POTENTIALLY AFFECTED: Unknown (Acres) — 04 NARRATIVE DESCRIPTION

Trichloroethylene is a dense, insoluble liquid which would tend to sink rapidly in the sand and gravel soil which makes up the top two hundred feet of the site.

01 [ ] G. DRINKING WATER CONTAMINATION — 02 [X] OBSERVED (DATE 8-25-87) — [ ] POTENTIAL — [ ] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 3,050 — 04 NARRATIVE DESCRIPTION

See A

01 [ ] H. WORKER EXPOSURE/INJURY — 02 [ ] OBSERVED (DATE) — [ ] POTENTIAL — [ ] ALLEGED
03 WORKERS POTENTIALLY AFFECTED: — 04 NARRATIVE DESCRIPTION

Unknown

01 [X] I. POPULATION EXPOSURE/INJURY — 02 [ ] OBSERVED (DATE: 8-25-87) — [ ] POTENTIAL — [X] ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 3,050 — 04 NARRATIVE DESCRIPTION

See A and B

EPA

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION	
01 STATE	02 SITE NUMBER
ILD	981960776

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Unknown

01 ☐ K. DAMAGE TO FAUNA — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

Unknown

01 ☐ L. CONTAMINATION OF FOOD CHAIN — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Unknown

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES (Spills runoff standing liquids leaking drums) — 02 ☒ OBSERVED (DATE: 8-25-87) ☐ POTENTIAL ☒ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 3,050 — 04 NARRATIVE DESCRIPTION

The Byron Public Well #2 is contaminated by the illegal disposal of Trichloroethylene.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Unknown

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☐ ALLEGED
04 NARRATIVE DESCRIPTION

Unknown

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING — 02 ☐ OBSERVED (DATE: _____) ☐ POTENTIAL ☒ ALLEGED
04 NARRATIVE DESCRIPTION

See A

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Unknown

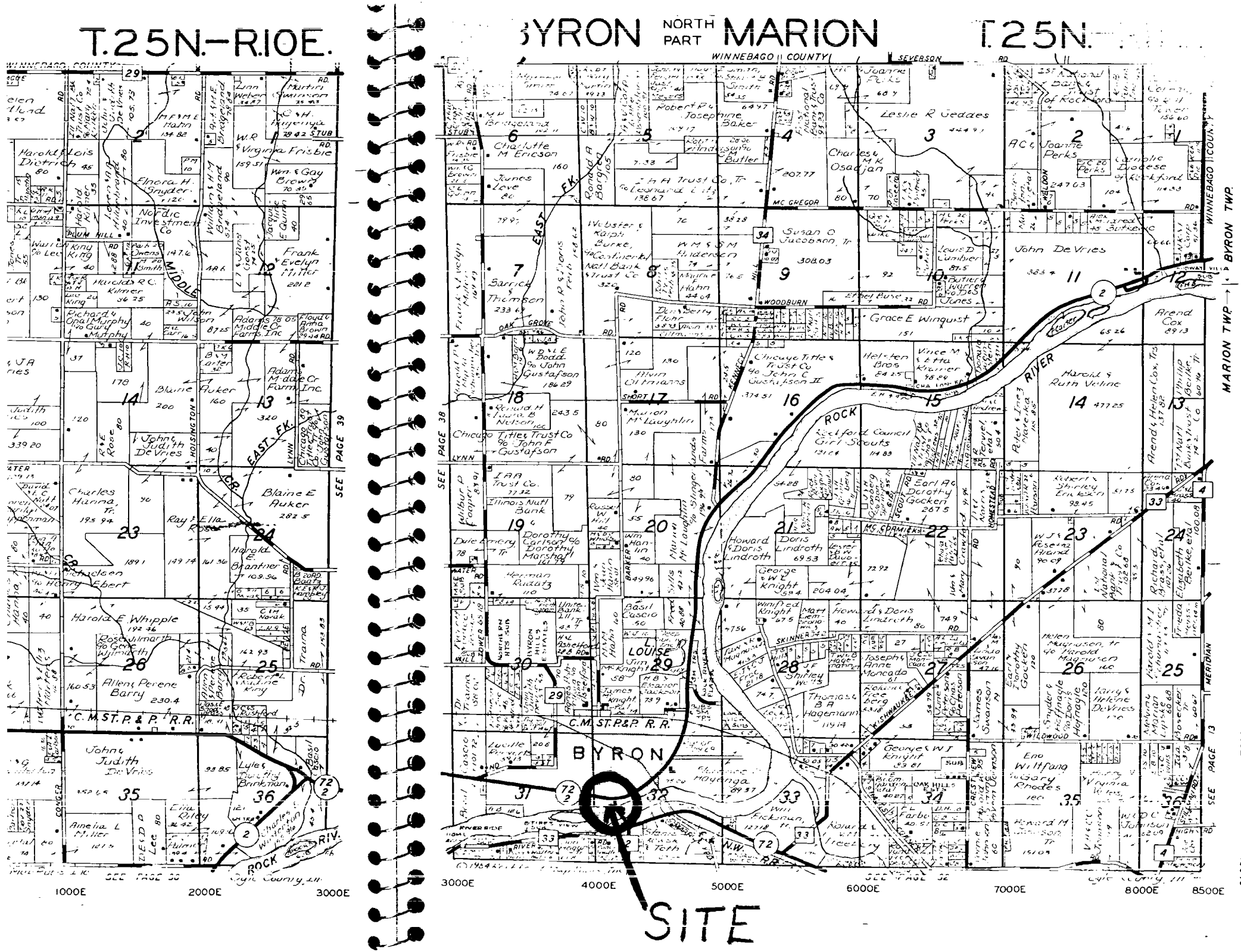
III. TOTAL POPULATION POTENTIALLY AFFECTED: 3,050

IV. COMMENTS

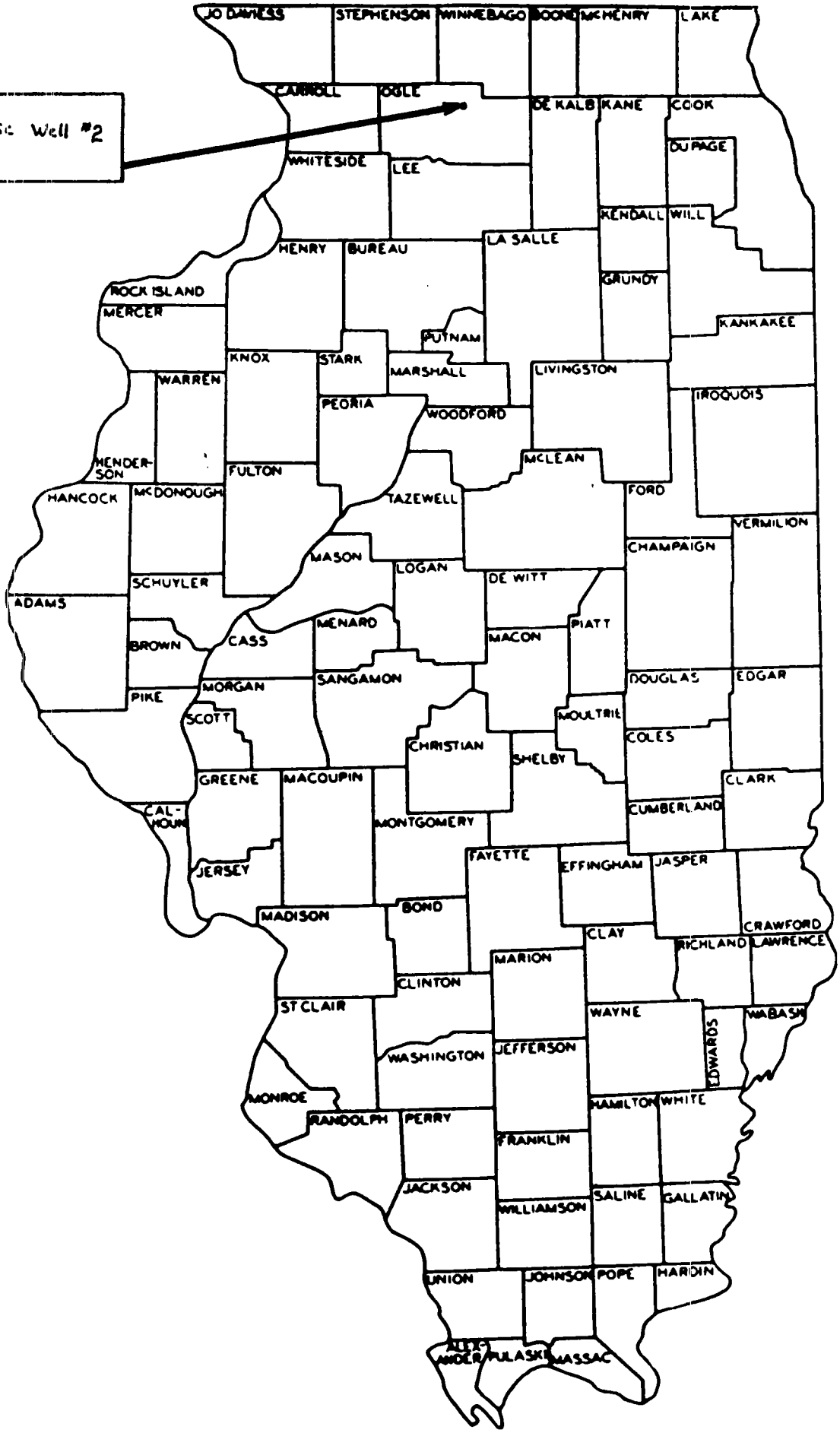
During 1986 and 1987 the Byron Public Well #2 was sampled on three separate occasions. These samples indicated the presence of Trichloroethylene (TCE) in concentrations as high as 10ppb.

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)

IL EPA / Div Public Water Supply - Groundwater monitoring file (Part 3, Sec A, G, I M)
IL EPA / Div Public Water Supply - Division file (Part 3, Sec B, F)
Mr Harold Fry, Superintendent of Public Water for City of Byron (Part 3, Sec A)


T.25N.—R.10E.
BYRON NORTH PART MARION T.25N.
WINNEBAGO COUNTY
SEVERSON RD.
BYRON TWP
MARION TWP
MERIDIAN
EAST FK.
ROCK RIVER
C.M.ST.P.&P. R.R.
BYRON
SITE
SEE PAGE 38
SEE PAGE 39
SEE PAGE 13
SEE PAGE 32
1000E
2000E
3000E
4000E
5000E
6000E
7000E
8000E
8500E
11000N
10000N
9000N
8000N
7000N
6000N

Byron Public Well #2
Byron, IL



Byron Public Well #2
L1410000000 -- Ogle County
ILD981960776

Executive Summary

The Bryon public well #2 is located 2,612 feet south and 706 feet east of the northwest corner of Section 32, Township 25N. Range 11 E. The well is located on a sixty foot by eighty foot lot at the intersection of Illinois Route 72 and Illinois Route 2.

The City installed the public water supply system in 1929. Currently, three public wells supply all of the water for the City's population of three thousand and fifty residents.

Well #2 is six hundred and seventy-three feet deep and is eight inches in diameter. The well is cased two hundred and twelve feet down and, according to the operator, the only screening is at the bottom of the well.

This well utilizes multiple aquifers. The geology of the area indicates that the well ends ninety-three feet in Ironton-Galesville sandstone, which is covered by eighty-five feet of Franconia sandstone and shale, fifty-five feet of Trempealeav dolomite and chert, which is overlaid by two hundred and forty feet of Glenwood-St. Peter sandstone. The top two hundred feet is made of sand and gravel. Due to the lack of grout, groundwater is able to move vertically along the well's side.

The geology of the area and the lack of grout make this well highly susceptible to contamination by surface sources.

The Byron public well #2 was sampled three times during 1986 and 1987. Listed below are the results of those sampling events:

Date	Contaminant	Concentration
1. June 25, 1986	Trichloroethylene	3 ppb
2. November 5, 1986	Trichloroethylene	6 ppb
3. August 25, 1987	Trichloroethylene	10 ppb

On May 28, 1987 a well head survey was conducted at the Byron public well #2. At that time seven possible sources of contamination were noted. However, at this time there is insufficient evidence to demonstrate the source or sources of the pollution.

This site has been assigned a medium priority rating based upon the preliminary Hazardous Ranking System (HRS) score. This score is the result of an observed release of Trichloroethylene into a public water supply.

GR:cls/1132j,37

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF PUBLIC WATER SUPPLIES

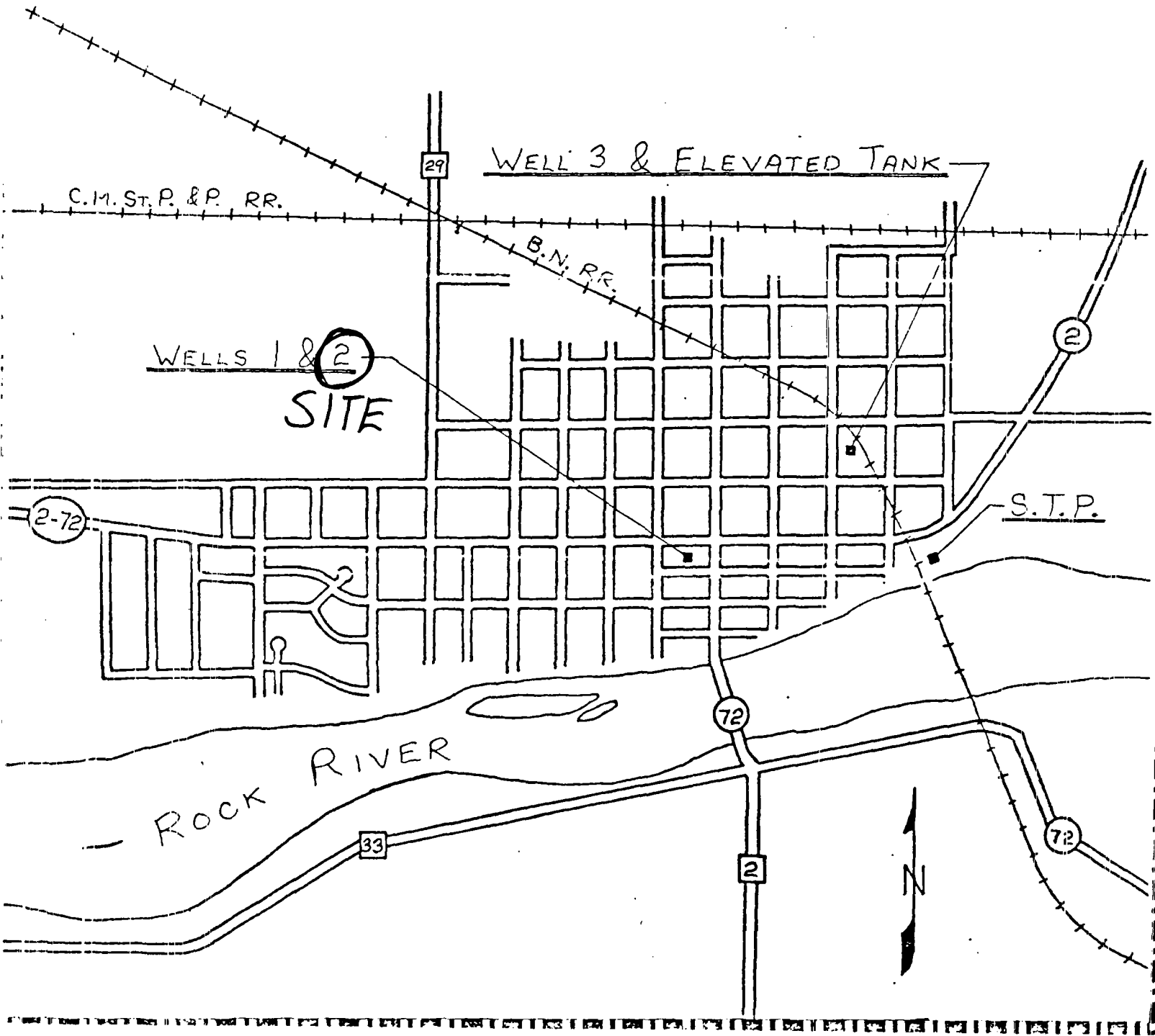
Inventory Sheet

Supply: BYRON

Date inventoried 6/11/74

Sheet 1 of ~~23~~ 27

Item: LOCATION AND LAYOUT



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF PUBLIC WATER SUPPLIES

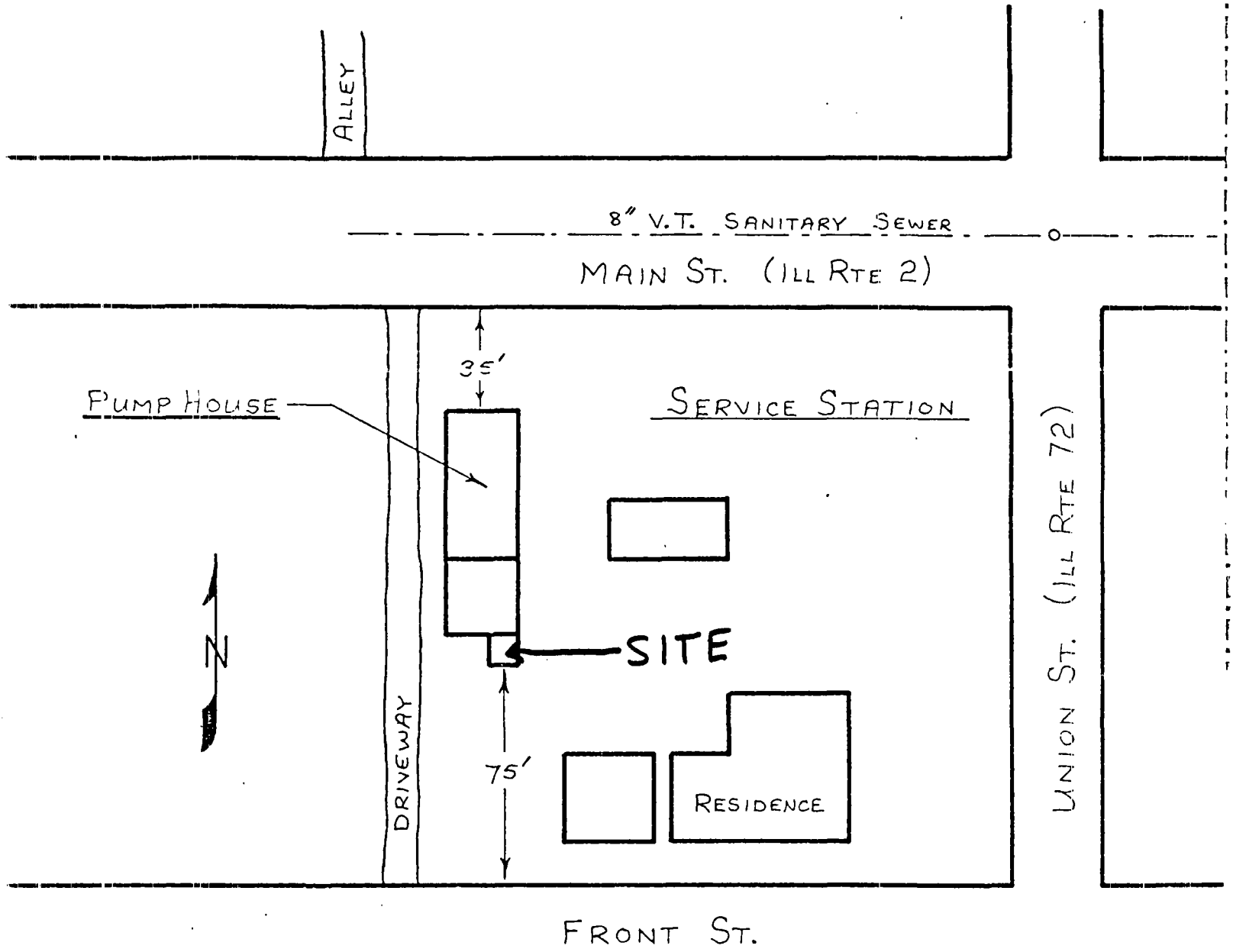
Inventory Sheet

Date inventoried 6/11/74

Supply: BYRON

Sheet 3 of ~~23~~ 24 27

Item: OLD PUMPHOUSE SITE PLAN



100 % Recycled Paper

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF PUBLIC WATER SUPPLIES

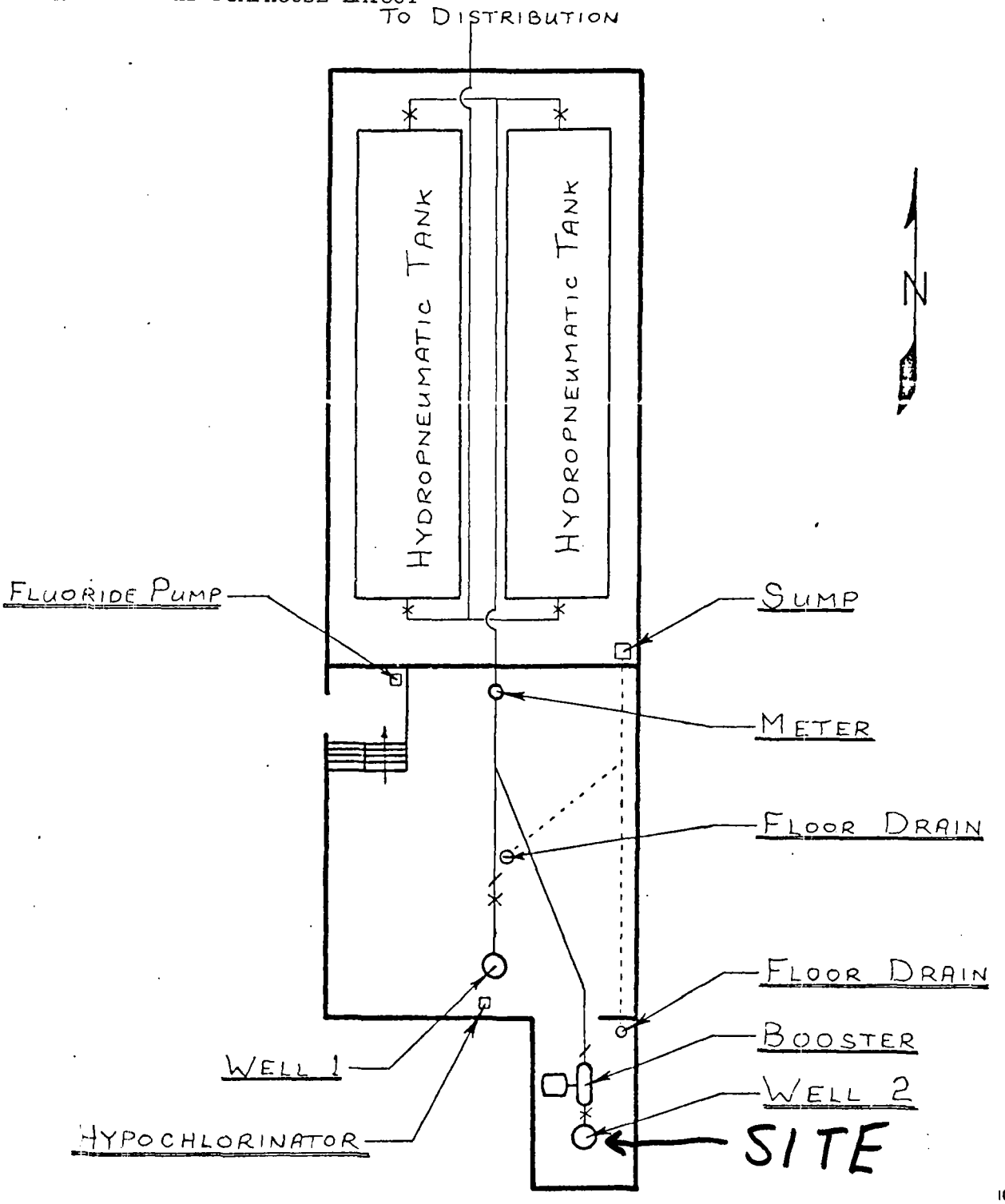
Inventory Sheet

Date inventoried 6/11/74

Supply: BYRON

Sheet 4 of ~~23~~ ~~24~~ 27

Item: OLD PUMPHOUSE LAYOUT



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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF PUBLIC WATER SUPPLIES

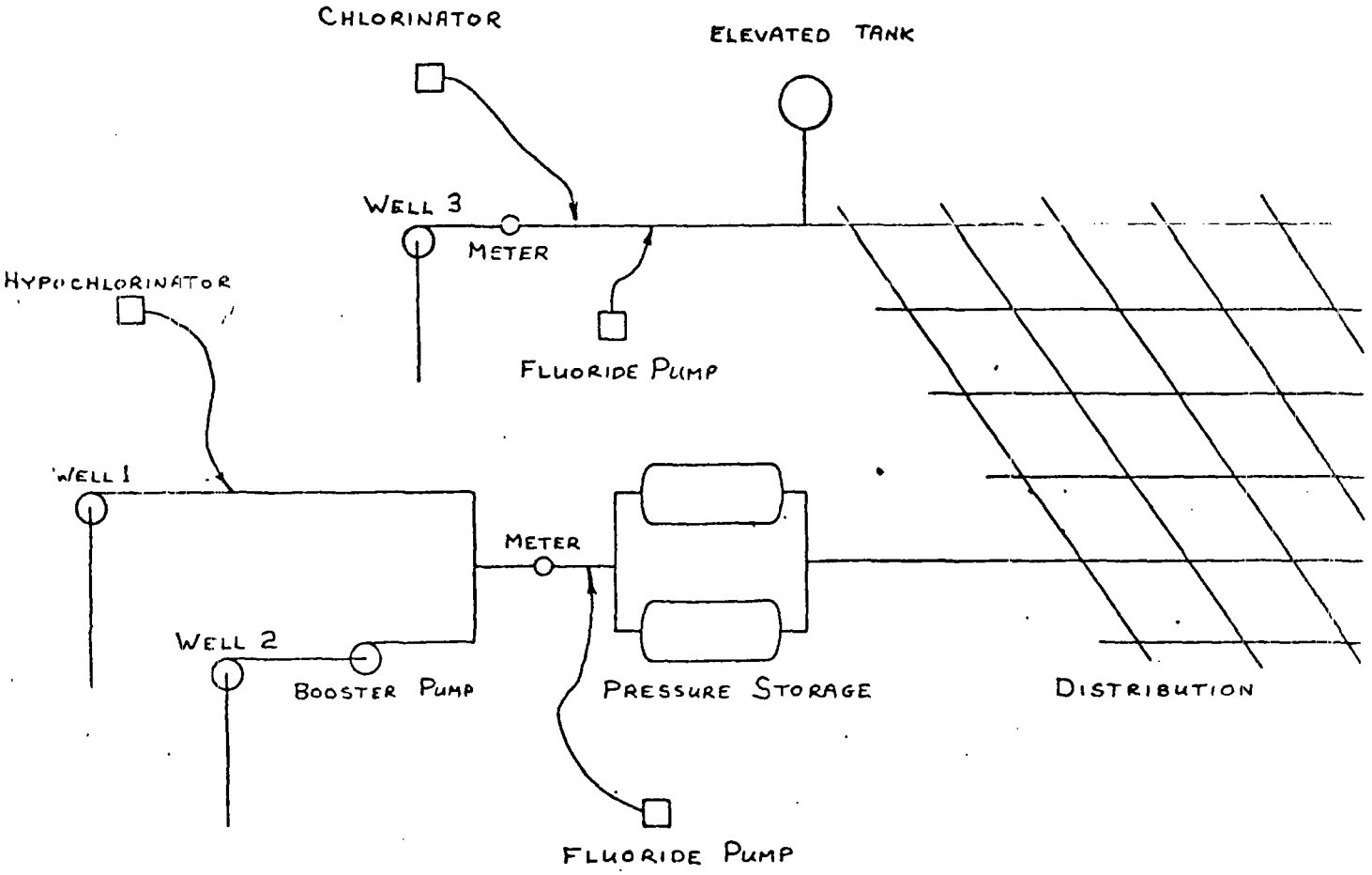
Inventory Sheet

Date inventoried 6/11/74

Supply: BYRON

Sheet 2 of 24

Item: SCHEMATIC DRAWING



100 % Recycled Paper

11777

WELL HEAD SURVEY

Public Water Supply Byron #2 1410100

Location Ogle Co

Surveyor White

Date 5-28-87

SUMMARY well in residential and commercial area

t 25N R 11E 32 7E 2612S. 706E

Hazard	Location
(1) Auto Dealer	150' W of well
(2) Gas Station	300' NW of well
(3) Byron Machine Co.	600 NE of well
(4) Gas Station	950' E of well
(5) Gas Station	900' E of well
(6) Gas Station	200' E of well
(7) Gas Station	100' E of well

JUN 01 1987

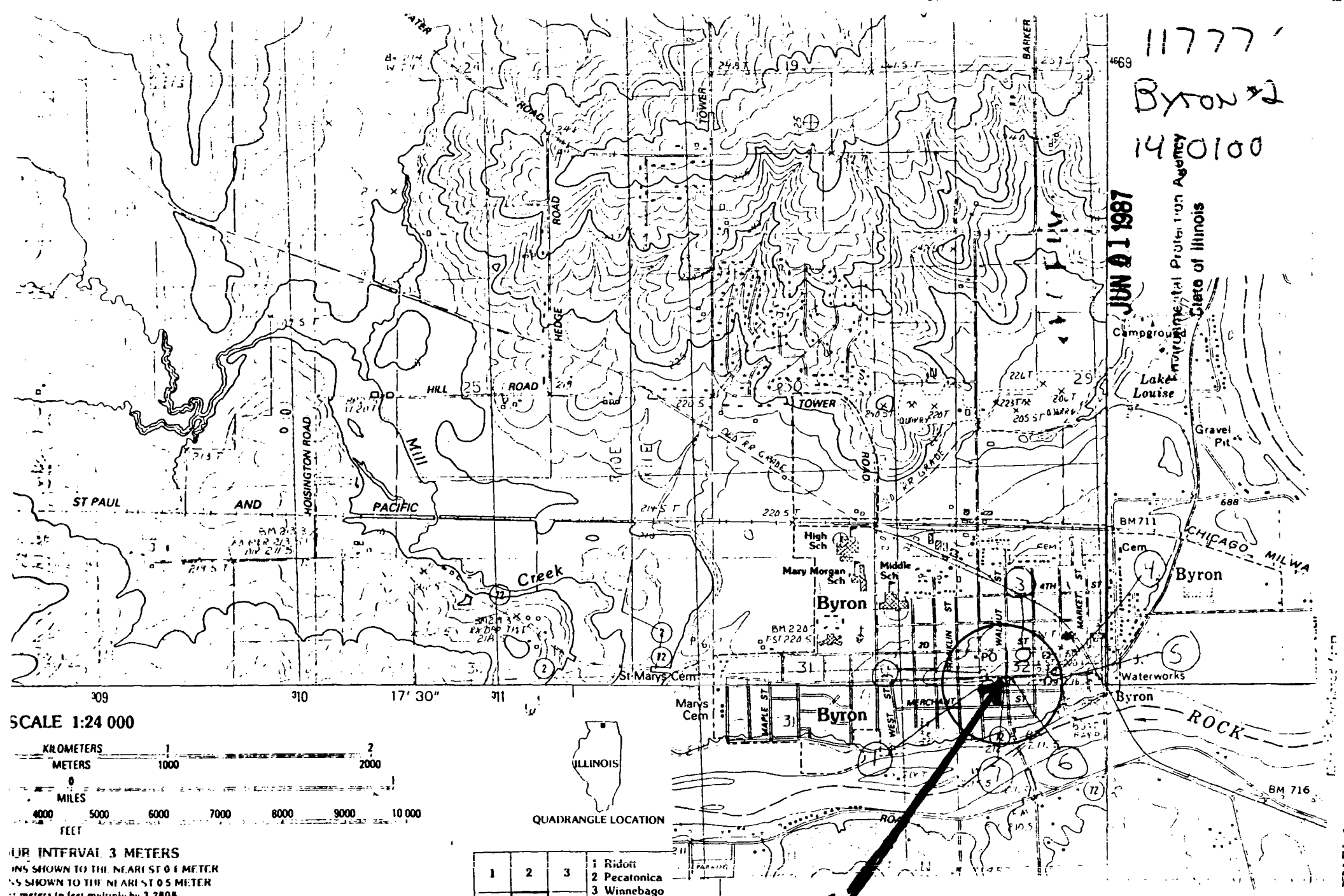
Environmental Protection Agency
State of Illinois

11777

Byron #2

140100

JUN 0 1 1987
Environmental Protection Agency
State of Illinois



SECTION: GROUND WATER MONITORING
REPORT: PWGWP006
MODULE: PWGWM003

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF PUBLIC WATER SUPPLIES
SAMPLE VERIFICATION

FINAL - VERIFIED SAMPLES USED REPORT

FACILITY: [redacted]
TAP: 01 RT 2 PLANT
RAW SRCE: 11777 WELL 2 250GPM LINE SHAFT

SAMPLE NO: D758609
TAP TRTMNT: NO
CERT LAB:

PROGRAM:

SMPL PRD: 08/87
SMPL TYPE: R
SMPL PURP: 9-VARIANCE
TRIP BLANK: D75861000
ONLINE ENTRY/LIMS TRNSFR: 10/05/87
SMPL LOCTN: BYRON/WELL 2

LIMS PURP: 9
LIMS TYPE: RPWS
LIMS SRCE: 14101000111777
LIMS TRIP: D7586100

COLL DATE: 08/25/87 14:00
COLLECTOR: HAROLD FRY
FUND CODE: PW30
COMMENTS: VOCS

DELIVERED BY:
LAB RECEIVED:
RECEIVED BY:
LAB COMPLETED:
LAB SUPERVISOR:
OBSERVATIONS:

ANALYSIS ID	RSLT NO	STORET NO	DESCRIPTION	UNITS	RESULT	STAN DRINK WTR
431A 00	001	32106	CHLOROFORM	UG/L	1.000 <	
431A 00	002	32101	DICHLOROBROMOMETHA	UG/L	1.000 <	
431A 00	003	32105	CHLORODIBROMOMETHA	UG/L	1.000 <	
431A 00	004	32104	BROMOFORM	UG/L	1.000 <	
431A 00	005	34423	METHYLENE CHLORIDE	UG/L	1.000 <	
431A 00	006	34501	1,1-DICHLOROETHYLE	UG/L	1.000 <	7.XXX
431A 00	007	34496	1,1-DICHLOROETHANE	UG/L	1.000 <	
431A 00	008	34546	TRANS-1,2-DICHLORO	UG/L	1.000 <	
431A 00	009	77279	1,2-DICHLOROETHANE	UG/L	1.000 <	
431A 00	010	34506	1,1,1-TRICHLOROETH	UG/L	1.000 <	20X.XXX
431A 00	011	32102	CARBON TETRACHLORI	UG/L	1.000 <	5.XXX
431A 00	012	39180	TRICHLOROETHYLENE	UG/L	10.000	5.XXX*
431A 00	013	34475	TETRACHLOROETHYLEN	UG/L	1.000 <	
431A 00	014	34301	CHLOROBENZENE	UG/L	1.000 <	
431A 00	015	34716	DICHLOROBENZENE	UG/L	1.000 <	
431A 00	016	78124	BENZENE	UG/L	1.000 <	5.XXX
431A 00	017	78131	TOLUENE	UG/L	1.000 <	
431A 00	018	78113	ETHYLBENZENE	UG/L	1.000 <	
431A 00	019	81551	XYLENE	UG/L	1.000 <	

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D648563
SAMPLING POINT DESC. : BYRON #2 (CW)

SUBMITTING SOURCE # : SITE # : 1410100
DATE COLLECTED : 860625 TIME COLLECTED : 0910 SAMPLING PROGRAM :

COLLECTED BY : G T WHITE DELIVERED BY : UPS
COMMENTS :
FUNDING CODE : PW34 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 0

DATE RECEIVED : 860625 TIME RECEIVED : 0910 RECEIVED BY : RWN
LAB OBSERVATIONS : 2-40ML VIALS REPORTING INDICATOR :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

P32106	CHLOROFORM	UG/L :	1.0K
P32101	DICHLOROBROMOMETHANE	UG/L :	1.0K
P32105	CHLORODIBROMOMETHANE	UG/L :	1.0K
P32104	BROMOFORM	UG/L :	1.0K
P34423	METHYLENE CHLORIDE	UG/L :	1.0K
P34501	1,1-DICHLOROETHYLENE	UG/L :	1.0K
P34496	1,1-DICHLOROETHANE	UG/L :	1.0K
P34546	TRANS-1,2-DICHLOROETHYLENE	UG/L :	1.0K
P77279	1,2-DICHLOROETHANE	UG/L :	1.0K
P34506	1,1,1-TRICHLOROETHANE	UG/L :	1.0K
P32102	CARBON TETRACHLORIDE	UG/L :	1.0K
P39180	TRICHLOROETHYLENE	UG/L :	3
P34475	TETRACHLOROETHYLENE	UG/L :	1.0K
P34301	CHLOROBENZENE	UG/L :	1.0K
P34716	DICHLOROBENZENE	UG/L :	1.0K
P78124	BENZENE	UG/L :	1.0K
P78131	TOLUENE	UG/L :	1.0K
P78113	ETHYLBENZENE	UG/L :	1.0K
P81551	XYLENE	UG/L :	1.0K

IC/P # 135

Supervisor John Albemeyer
Lab # B609746.

```
IIIII     CCCC     PPP
  I      C         P  P
  I      C         PPP
  I      C         P
IIIII     CCCC     P
```

Computer Coded Data

FACILITY #. TR.APL.PT. WELL #.
1 4 1 0 1 0 0 _ _ _ _ _ _ 2
1 7 8 10 11 15

Yr. Mo. Day Hr. Min.
8 6 0 6 2 5 0 9 1 0.
18 21 22 26

Parameter	Parameter Code	Value	Rmks
Ca (T,mg/l)	E00916	65.	
Mg (T,mg/l)	E00927	38.	
Na (T,mg/l)	E00929	5.7	

NEXT CARD REPEAT COLUMNS 1-21 ABOVE

Parameter	Parameter Code	Value	Rmks
Al (T,ug/l)	E01105	50.5	
Mn (T,ug/l)	E01055	5.5	
Ni (T,ug/l)	E01067	5.5	

NEXT CARD REPEAT COLUMNS 1-26 ABOVE

Parameter	Parameter Code	Value	Rmks
K (T,mg/l)	E00937	2.9	
Ba (T,ug/l)	E01007	108.	
B (T,ug/l)	E01022	60.	

NEXT CARD REPEAT COLUMNS 1-26 ABOVE

Parameter	Parameter Code	Value	Rmks
As (T,ug/l)	E01077	3.5	
Sr (T,ug/l)	E01082	196.	
V (T,ug/l)	E01087	5.5	

NEXT CARD REPEAT COLUMNS 1-26 ABOVE

Parameter	Parameter Code	Value	Rmks
Se (T,ug/l)	E01012	1.0K	
[illegible] (T,ug/l)	E01027	3.5	
Cr (T,ug/l)	E01034	28.	

NEXT CARD REPEAT COLUMNS 1-26 ABOVE

Parameter	Parameter Code	Value	Rmks
Zn (T,ug/l)	E01092	50.5	
Hardns.(mg/l)	E00900	316.0	

NEXT CARD REPEAT COLUMNS 1-26 ABOVE

Parameter	Parameter Code	Value	Rmks
Cu (T,ug/l)	E01042	5.5	
Co (T,ug/l)	E01037	5.5	
Fe (T,ug/l)	E01045	23.	

NEXT CARD REPEAT COLUMNS 1-26 ABOVE

Parameter	Parameter Code	Value	Rmks

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : E609746
SAMPLING POINT DESC. : BYRON #2

SUBMITTING SOURCE # : 1410100 SITE # : 2
DATE COLLECTED : 860625 TIME COLLECTED : 0910 SAMPLING PROGRAM :

COLLECTED BY : G T WHITE DELIVERED BY : UPS
COMMENTS :
FUNDING CODE : PW33 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : PWC1 SAMPLE PURPOSE CODE : 0

DATE RECEIVED : 860627 TIME RECEIVED : 1300 RECEIVED BY : MAD
LAB OBSERVATIONS : REPORTING INDICATOR :
SUPERVISORS INITIALS : RPF NOTE : K = LESS THAN VALUE

P70300	(RCE) TDS @ 180C	MG/L	: 357
P00410	ALKALINITY,TOTAL	MG/L	: 271.
P00630	NITRATE&NO2-NTOTAL	MG/L	: 1.6
P00610	AMMONIA-N,TOTAL	MG/L	: 0.1K
P32730	PHENOLS,TOTAL	UG/L	: 5K
P00950	SILICA,TOTAL	MG/L	: 9.0
P00951	FLUORIDE,TOTAL	MG/L	: 0.19
P00940	CHLORIDE,TOTAL	MG/L	: 8.4
P00945	SULFATE,TOTAL	MG/L	: 35
P00665	PHOSPHORUS-P,TOTAL	MG/L	: 0.01K
P00720	CYANIDE,TOTAL	MG/L	: 0.005K
P01002	ARSENIC,TOTAL	UG/L	: 1K
P01051	LEAD,TOTAL	UG/L	: 5K
P71900	MERCURY,TOTAL	UG/L	: 0.01K
P01147	SELENIUM,TOTAL	UG/L	: 1
P00916	CALCIUM,TOTAL	MG/L	: 65
P00927	MAGNESIUM,TOTAL	MG/L	: 38
P00929	SODIUM,TOTAL	MG/L	: 5.7
P00937	POTASSIUM,TOTAL	MG/L	: 2.9
P01105	ALUMINUM,TOTAL	UG/L	: 50K
P01007	BARIUM,TOTAL	UG/L	: 108
P01022	BORON,TOTAL	UG/L	: 60
P01012	BERYLLIUM,TOTAL	UG/L	: 1K
P01027	CADMIUM,TOTAL	UG/L	: 3K
P01034	CHROMIUM,TOTAL	UG/L	: 5K
P01042	COPPER,TOTAL	UG/L	: 5K
P01037	COBALT,TOTAL	UG/L	: 5K
P01045	IRON,TOTAL	UG/L	: 73
P01055	MANGANESE,TOTAL	UG/L	: 5K
P01067	NICKEL,TOTAL	UG/L	: 5K
P01077	SILVER,TOTAL	UG/L	: 3K
P01082	STRONTIUM,TOTAL	UG/L	: 146
P01087	VANADIUM,TOTAL	UG/L	: 5K
P01092	ZINC,TOTAL	UG/L	: 50K

SAMPLE NUMBER : 3609746

P00900 HARDNESS CALC. MG/L : 3160

D051481

Illinois Environmental Protection Agency

NOV 5 1986

Date Received

SPECIAL ORGANIC ANALYSIS FORM

Division

Sub-Basin GW Monitoring Network=PW 34

Time Collected

Collector

Date Collected

Mail Report To: Robert P. Clarke

Facility Name: Facility Number: File Town:

Stream Name(s) Stream Code:

Source of Sample: (Exact Location)

Physical Observations, Remarks:

Analysis Requested: VOC's/VOA's=PW 34

Flow	Field Dissolved Oxygen	Field PH	Field Temp.

LABORATORY

RECEIVED

DEC 0 - 1986

DIV. PUBLIC WATER SUPPLIES
ENVIRONMENTAL PROTECTION AGENCY
STATE OF ILLINOIS

Transported by:

Received by:

Transported by:

Received by:

LABS-14(7-79)

FOR LAB USE ONLY

Lab Number: D051481 Rec'd by:

Date sample rec'd: NOV 5 1986 Time:

Date analysis completed:

Date results forwarded: 12-1-86

Total Tests requested: Test run:

Lab Section: Supervisor:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D651481
SAMPLING POINT DESC. : BYRON WELL #2 (GW)

SUBMITTING SOURCE # : SITE # : 1410100
DATE COLLECTED : 861105 TIME COLLECTED : 1000 SAMPLING PROGRAM :

COLLECTED BY : HAROLD FRY DELIVERED BY : MAIL
COMMENTS :
FUNDING CODE : PW34 AGENCY ROUTING : 00 UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 0

DATE RECIEVED : 861105 TIME RECIEVED : 1000 RECEIVED BY : D V
LAB OBSERVATIONS : 2 VOCS REPORTING INDICATOR :
SUPERVISORS INITIALS : JTH NOTE : K = LESS THAN VALUE

P32106	CHLOROFORM	UG/L :	1.0K
P32101	DICHLOROBROMOMETHANE	UG/L :	1.0K
P32105	CHLORODIBROMOMETHANE	UG/L :	1.0K
P32104	BROMOFORM	UG/L :	1.0K
P34423	METHYLENE CHLORIDE	UG/L :	1.0K
P34501	1,1-DICHLOROETHYLENE	UG/L :	1.0K
P34496	1,1-DICHLOROETHANE	UG/L :	1.0K
P34546	TRANS-1,2-DICHLOROETHYLENE	UG/L :	1.0K
P77279	1,2-DICHLOROETHANE	UG/L :	1.0K
P34506	1,1,1-TRICHLOROETHANE	UG/L :	1.0K
P32102	CARBON TETRACHLORIDE	UG/L :	1.0K
P39180	TRICHLOROETHYLENE	UG/L :	6
P34475	TETRACHLOROETHYLENE	UG/L :	1.0K
P34301	CHLOROBENZENE	UG/L :	1.0K
P34716	DICHLOROBENZENE	UG/L :	1.0K
P78124	BENZENE	UG/L :	1.0K
P78131	TOLUENE	UG/L :	1.0K
P78113	ETHYLBENZENE	UG/L :	1.0K
P81551	XYLENE	UG/L :	1.0K
P00400	PH,FIELD UNITS :		
P00020	TEMPERATURE,AIR DEG.C :		
P00094	COND.(EC)FIELD UMHOS/CM :		
P00061	STREAMFLOW,INSTANT. CFS :		

50

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : B715724
SAMPLING POINT DESC. : BYPON

SUBMITTING SOURCE # : 1410100 SITE # :
DATE COLLECTED : 870929 TIME COLLECTED : 1300 SAMPLING PROGRAM : CH

COLLECTED BY : HAROLD FRY DELIVERED BY : MAIL
COMMENTS :
FUNDING CODE : PW30 AGENCY ROUTING : CP UNIT CODE :
SAM TYPE CODE : DFWS SAMPLE PURPOSE CODE : 1 REPORTING INDICATOR : R

DATE RECEIVED : 870930 TIME RECEIVED : 0900 RECEIVED BY : MAD
LAB OBSERVATIONS : TRIP BL SAMP : SS/16/
SUPERVISORS INITIALS : RRR NOTE : K = LESS THAN VALUE

P00400	P--LABORATORY	UNITS :	7.5	P00095	CONDUCTIVITY	UM/CM :	520
P00100	(P08) TDS E 1030	MG/L :	347	P00410	ALKALINITY,TOTAL	MG/L :	279
P00900	HARDNESS,EDTATOTAL	MG/L :	310	P00951	FLUORIDE,TOTAL	MG/L :	0.94
P00940	CHLORIDE,TOTAL	MG/L :	6.6	P00945	SULFATE,TOTAL	MG/L :	30
P00630	NITRATE&NO2-NTOTAL	MG/L :	1.4	P00610	AMMONIA-N,TOTAL	MG/L :	0.23
P00956	SILICA,TOTAL	MG/L :	9.3	P00720	CYANIDE,TOTAL	MG/L :	0.005K
P01002	ARSENIC,TOTAL	UG/L :	1K	P01051	LEAD,TOT.FURNACE	UG/L :	5K
P71900	MERCURY,TOTAL	UG/L :	0.05K	P00916	CALCIUM,TOTAL	MG/L :	63
P00927	MAGNESIUM,TOTAL	MG/L :	36	P00929	SODIUM,TOTAL	MG/L :	4.5
P00937	POTASSIUM,TOTAL	MG/L :	3.0	P01105	ALUMINUM,TOTAL	UG/L :	50K
P01007	BARIUM,TOTAL	UG/L :	121	P01022	BORON,TOTAL	UG/L :	50K
P01012	BERYLLIUM,TOTAL	UG/L :	0.5K	P01027	CADMIUM,TOTAL	UG/L :	3K
P01034	CHROMIUM,TOTAL	UG/L :	5K	P01042	COPPER,TOTAL	UG/L :	51
P01037	COBALT,TOTAL	UG/L :	5K	P01045	IRON,TOTAL	UG/L :	50K
P01055	MANGANESE,TOTAL	UG/L :	5K	P01067	NICKEL,TOTAL	UG/L :	5K
P01077	SILVER,TOTAL	UG/L :	7K	P01082	STRONTIUM,TOTAL	UG/L :	147
P01087	VANADIUM,TOTAL	UG/L :	5K	P01092	ZINC,TOTAL	UG/L :	50K
P32794	HARDNESS CALC.	MG/L :	309	I17700	ANION/CATION BAL	Y/N :	Y

11-30
MRL

60

SEP 25 1987

Illinois Environmental Protection Agency • 2200 Churchill Road, Springfield, IL 62706

DIVISION OF PUBLIC WATER SUPPLIES — CHEMICAL ANALYSIS

FACILITY: 1410100 BYRON

SAMPLES SCHEDULED DURING: OCTOBER, 1987

MAIL REPORT TO:

NAME: HAROLD FRY

ADDR: 133 N. MAPLE UNION

CITY: BYRON STATE IL ZIP 61010

DATE COLLECTED Sep. 29-1987

TIME COLLECTED 1:00 P.M.

SMPL COLLECTOR Harold Fry

PHONE NUMBER 815-234-8052

SAMPLE TYPE: DISTRIBUTION

BYRON

SAMPLE LOCATION: 133 N. MAPLE AVE

REPORT CODE: P130
DESCRIPTION:
SAMPLE TYPE: DPWS - DISTRIBUTION
PURPOSE: 1 - ROUTINE
NPDES INDICATOR: 3
SUBMIT TO: 1410100
SMPL PROGRAM: CH - CHEMICAL
PGM GROUP: PHMA3

--- LAB USE ONLY ---

SAMPLE NUMBER B715724

DATE RECEIVED SEP 30 1987

TIME RECEIVED 9A

RECEIVED BY MD

DATE FORWARDED DEC 20 1987 SPV39

IL 532-0761 PWS-31 (REV.7-86)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF PUBLIC WATER SUPPLIES

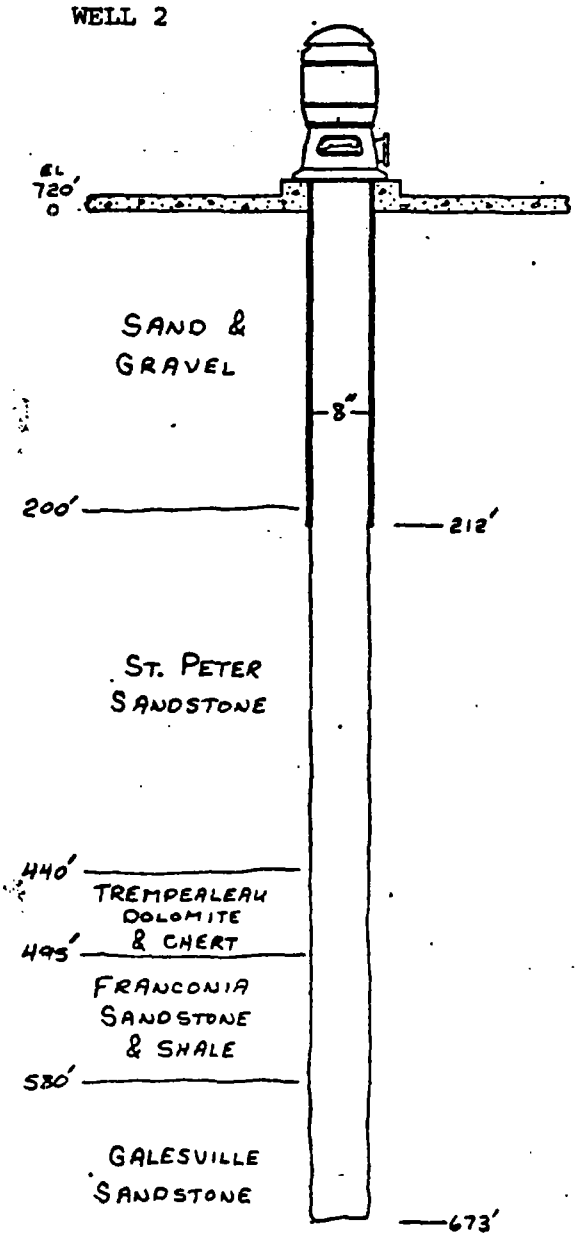
Inventory Sheet

Date inventoried 6/11/74

Supply: BYRON

Sheet 7 of ~~24~~ 27

Item: WELL 2



LOCATION: SEC 32 T 25N R 11E
2612'S - 706'E OF N.W. CORNER

CHRONOLOGY:
1929 DRILLED 673 FT BY MILLIS
1950 PUMP REHABILITATED

PUMP: PEERLESS WATER LUBRICATED LINE SHAFT TURBINE, SERIAL 62902,

MOTOR: GENERAL ELECTRIC, MODEL 12F4510, SERIAL 6528129, 15 HP, 1775 RPM, 3 PHASE, 60 CYCLE, 440 VOLT, 19.7 AMP, 40°C RATING, 1.15 SERVICE FACTOR

ACCESSORIES:
CASING VENT;
AIR LINE;
AIR RELIEF VALVE;
BYPASS DISCHARGE

PRODUCTION DATA:

DATE							
STATIC LEVEL-FT							
PUMPING LEVEL-FT							
PUMPING RATE-GPM							
SPECIFIC CAPACITY							

100 % Recycled Paper