Stantec

Memo

To:	Project File	From:	Joel Thompson, PG (MN, TX, LA) Minneapolis
Project/File:	173411095	Date:	February 19, 2026

Reference: Groundwater Well Desktop Assessment

1 Introduction

This technical memorandum has been prepared in accordance with the Indiana Department of Natural Resources' (IDNR) request for a desktop evaluation of groundwater wells potentially impacted by the planned decommissioning of the Versailles State Park Dam in Ripley County Indiana. This memorandum documents Stantec's:

- Review of available well construction information;
- Summary of identified wells located within the 2-mile assessment radius; and
- Screening level evaluation of potential well sensitivity to lake level drawdown.

2 Background

2.1 Applicable Regulations

Dam decommissioning projects in the State of Indiana are subject to Senate Bill 436 (2025) which:

> "…*Amends the Indiana Code section prohibiting the department of natural resources (department) from regulating certain activities within the 100 year flood level of a water supply reservoir owned and operated by a municipality or a public utility for the purpose of providing water utility service to the public to also prohibit the department from ordering the closure or removal, or the partial closure or removal, of: (1) a dam that forms such a water supply reservoir; or (2)* ***a dam that forms or contains a body of water that is used to supply one or more private water wells****; if the closure or removal, or the partial closure or removal, of the dam would impact the provision of water utility service to the public or* ***the supply of water to one or more private water wells***."

Versailles Lake and adjacent groundwater resources are not known to be currently used as a municipal water source; however, private wells are present in the surrounding area and screening level review was performed to evaluate whether the lowering of the impoundment may affect local groundwater supply wells.

This memorandum summarizes the datasets used, screening methodology, and the preliminary classification of wells based primarily on information available in the IDNR Water Well Records Database (IDEM, 2026). No field investigations, verification activities, or hydrogeological modeling were included in this scope.

2.2 Regional Geology

Regional geology within Ripley County generally consists of unconsolidated glacial and alluvial deposits over primarily carbonate bedrock (limestone and dolostone) interbedded with shale of Silurian and Ordovician age. Surficial materials vary spatially and include residuum, till, and localized alluvium along major stream valleys, with thicknesses ranging from a few feet to several tens of feet. Underlying Silurian-age rocks form the uppermost bedrock unit consisting of limestone and dolostone with interbedded shale in the western portion of the county while Ordovician-age rocks of the Maquoketa Group consisting primarily of shale with interbedded limestone form the uppermost bedrock across the eastern portion of the county.

2.3 Regional Hydrogeology

There are two regional aquifer systems present within the study area (within 2-mile radius of the Versailles Dam reservoir), both of which are minor sources of groundwater that are primarily used for low-capacity domestic water supply.

The uppermost aquifer in the study area is the surficial Dissected Till and Residuum Aquifer System (DTRAS) (Schrader and Scott, 2010) (Figure 1). Unconsolidated sediments that compose the DTRAS predominantly consist of thin bedrock residuum, tills, and relatively thin deposits of alluvium and colluvium within stream valleys. Thickness of the DTRAS within Ripley County typically ranges from approximately 10 to 50 feet. There is limited potential for groundwater supply within the DTRAS; however, this aquifer system is commonly selected for well development rather than the underlying bedrock. Large-diameter wells, typically yield less than 3 gallons per minute (gpm) and produce groundwater from thin sands within the predominantly clay and silt materials of this aquifer system. The sand strata are commonly less than two feet thick; however, in places there are several thin sand seams separated by tills within the saturated zone. The unconsolidated units form a shallow, generally unconfined to semi-confined, aquifer with groundwater flow controlled by topography and surface-water drainage patterns. Static water levels in this aquifer system are typically between 14 and 26 feet below land surface.

The bedrock underlying the surficial deposits in the study area is the Silurian carbonate and the Ordovician shale (Schrader, 2004) (Figure 2). The Silurian system consists predominantly of limestone and dolomite, with minor interbedded shale units. The outcrop and subcrop area of the Silurian carbonates generally extends across the western portion of the county but is absent in the eastern portion of the study area where the Ordovician Maquoketa Group is the uppermost formation (Figure 2). The total thickness of the Silurian carbonate is generally less than 100 feet, and depth to bedrock is typically less than 50 feet below land surface. Groundwater supply potential within this system is limited; relatively few wells are completed solely within the bedrock aquifers, and reported yields are commonly low, with many wells producing less than 5 gpm or being reported as dry or pumped dry. As a result, most bedrock wells in the area are completed into the underlying Maquoketa Group to obtain sufficient yield for domestic use.

The Ordovician Maquoketa Group underlies much of the eastern half of Ripley County and is composed predominantly of shale with interbedded limestone. Although the Maquoketa Group is approximately 800 to 900 feet thick in the county, it functions as a minor groundwater source, with wells typically producing low yields from the upper portion of the unit.

3 Methods

3.1 Data Sources

Stantec relied on the following primary data sources:

- IDNR Water Well Records Database (well coordinates and construction logs; IDNR, 2026)
- Parcel and structure data, where available (Ripley County, 2026)
- Publicly accessible geologic mapping resources (Schrader and Scott, 2010 and Schrader, 2004)

No supplemental desktop research or field validation was conducted.

3.2 Well Identification

3.2.1 IDNR Water Well Records Database

The IDNR Water Well Records Database was searched to identify local water supply wells within the study area. Water well records obtained from the IDNR represent available reported wells and may not include all wells constructed in the area. Mandatory well reporting began in the mid-1950's and many older wells have not been reported.

Ten (10) records were identified within a two-mile assessment zone surrounding Versailles Lake (Figure 3). Eight records were identified as wells and two records were identified as bedrock borings. It is unclear if the bedrock borings were ultimately converted to wells. Total well depth ranges from 18 feet to 1,598 feet, with five (5) wells completed in surficial unconsolidated aquifers, three (3) wells completed in bedrock, and two (2) bedrock borings. A summary of construction information is provided in Table 1, and detailed well records are provided in Appendix A.

3.2.2 Supplemental Parcel Identification

As discussed above, the IDNR Water Well Records Database contains an incomplete record of water wells within the State of Indiana with many older wells not included. As a supplement to the IDNR Water Well Records Database search, property parcel data outside of the municipal water supply area was cross referenced against the presence of buildings on aerial photography to evaluate potential owners to contact for additional information related to the possible presence of water wells.

Eight (8) of 12 parcels containing one or more buildings were identified within a one-mile radius of Lake Versailles. See Table 2 for parcel information and Figure 4 for parcel boundaries.

3.3 Wells Potentially Impacted by the Project

Dam removal changes river stage and flow regimes, which has the potential to alter groundwater levels and hydraulic gradients between rivers and adjacent aquifers. These water levels and hydraulic gradients influence commonly control groundwater recharge/discharge and can affect water levels in nearby aquifers and wells.

The current spillway crest (approximate pool elevation) is 790 feet above mean sea level (amsl). The full removal invert elevation is planned to be approximately 755 feet amsl or a reduction of approximately 35 feet in surface water elevation. Because shallow groundwater adjacent to the reservoir is expected to be hydraulically connected to surface water, local groundwater levels may experience a similar magnitude of decline, with the greatest effect nearest the impoundment and diminishing with distance. Shallow wells located within alluvial deposits within the Laughrey Creek flood plain near the current reservoir are most likely to experience measurable drawdown. Deeper wells in bedrock units and shallow wells within the predominantly fine-grained portions of the DTRAS located distal to Lake Versailles are unlikely to be impacted by the dam removal.

Additionally, shallow wells located in an upland setting are unlikely to be impacted by the dam removal. The terrain around Versailles Lake consists of dissected uplands; with the upland areas (above 950 feet amsl) approximately 200 feet above the Versailles Lake pool elevation (Figure 3). The surficial unconsolidated aquifer in the uplands is relatively thin with bedrock typically less than 50 feet below ground surface. Therefore, groundwater within the surficial unconsolidated aquifer is not anticipated to be hydraulically connected to surface water features within the dissected alluvial valley (approximately 200 feet lower).

Table 1 contains a qualitative assessment of whether the identified wells are likely to be impacted by the dam removal. Of the ten (10) locations identified, eight have been assessed to have a low probability of being impacted by the proposed dam removal base upon: completion depth, distance from Versailles Lake, and completion in the upland shallow alluvial aquifer. The remaining two (2) locations have not been categorized; it is unclear whether these bedrock borings were completed as wells.

4 Findings

This memo documents the desktop evaluation of groundwater wells potentially impacted by the planned decommissioning of the Versailles State Park Dam in Ripley County, Indiana.

The findings are summarized below:

- There are two regional aquifer systems present within the study area: the DTRAS and the bedrock aquifer; both of which are minor sources of groundwater that are primarily used for low-capacity domestic water supply.
- Ten (10) records were identified in the IDNR Water Well Database search within a two-mile assessment zone surrounding Versailles Lake (Figure 2).
    - Five (5) wells completed in surficial unconsolidated aquifers;
    - Three (3) wells completed in bedrock; and
    - Two (2) were identified as bedrock borings.
- As a supplement to the IDNR Water Well Records Database search, property parcel data outside of the municipal water supply area was cross referenced against the presence of buildings on aerial

photography. Eight (8) parcels containing buildings were identified within a one-mile radius of Lake Versailles.

- Shallow groundwater adjacent to the reservoir is expected to be hydraulically connected to surface water and local groundwater levels may experience a decline of approximately 35 feet, with the greatest effect nearest the impoundment and diminishing impact with distance.
- Shallow wells located within alluvial deposits within the Laughrey Creek flood plain near the current reservoir are most likely to experience measurable drawdown.
- Deeper wells in bedrock units and shallow wells within the predominantly fine-grained portions of the DTRAS located distal to Lake Versailles are unlikely to be impacted by the dam removal.
- Groundwater within the upland surficial unconsolidated aquifer is not anticipated to be hydraulically connected to surface water features within the dissected alluvial valley. Wells completed within the upland alluvial aquifer are unlikely to be affected by the dam removal.
- Of the ten (10) locations identified, eight (8) have been assessed to have a low probability of being impacted by the proposed dam removal base upon: completion depth, distance from Versailles Lake, and completion in the upland shallow alluvial aquifer. The remaining two (2) locations have not been categorized; it is unclear whether these bedrock borings were completed as wells.

5 Recommendations

To address potential data gaps outreach to property owners, particularly those with properties located within the alluvial flood plain, is recommended. Property owner outreach should include verification of well depth, screen interval, and current usage status.

6 References

Indiana Department of Natural Resources, Water Well Record Database. Accessed January 2026. https://www.in.gov/dnr/water/ground-water-wells/water-well-record-database/

Ripley County GIS. Accessed January 2026. https://ripleycounty.in.gov/gis/

Schrader, Gregory P., 2004. Bedrock Aquifer Systems of Ripley County, Indiana Indiana by Division of Water, Resource Assessment Section.

Schrader, Gregory P., and Scott, Robert A., 2004; modified 2010. Unconsolidated Aquifer Systems of Ripley County, Indiana by Division of Water, Resource Assessment Section.

Attachments

Figures

Figure 1 Unconsolidated Aquifer Systems of Ripley County, Indiana
Figure 2 Bedrock Aquifer Systems of Ripley County, Indiana
Figure 3 Wells Within 2 Mile Radius of Versailles Lake
Figure 4 Supplemental Parcel Search

Reference: Versailles Groundwater Well Desktop Assessment

Tables

Appendices

.

Figures

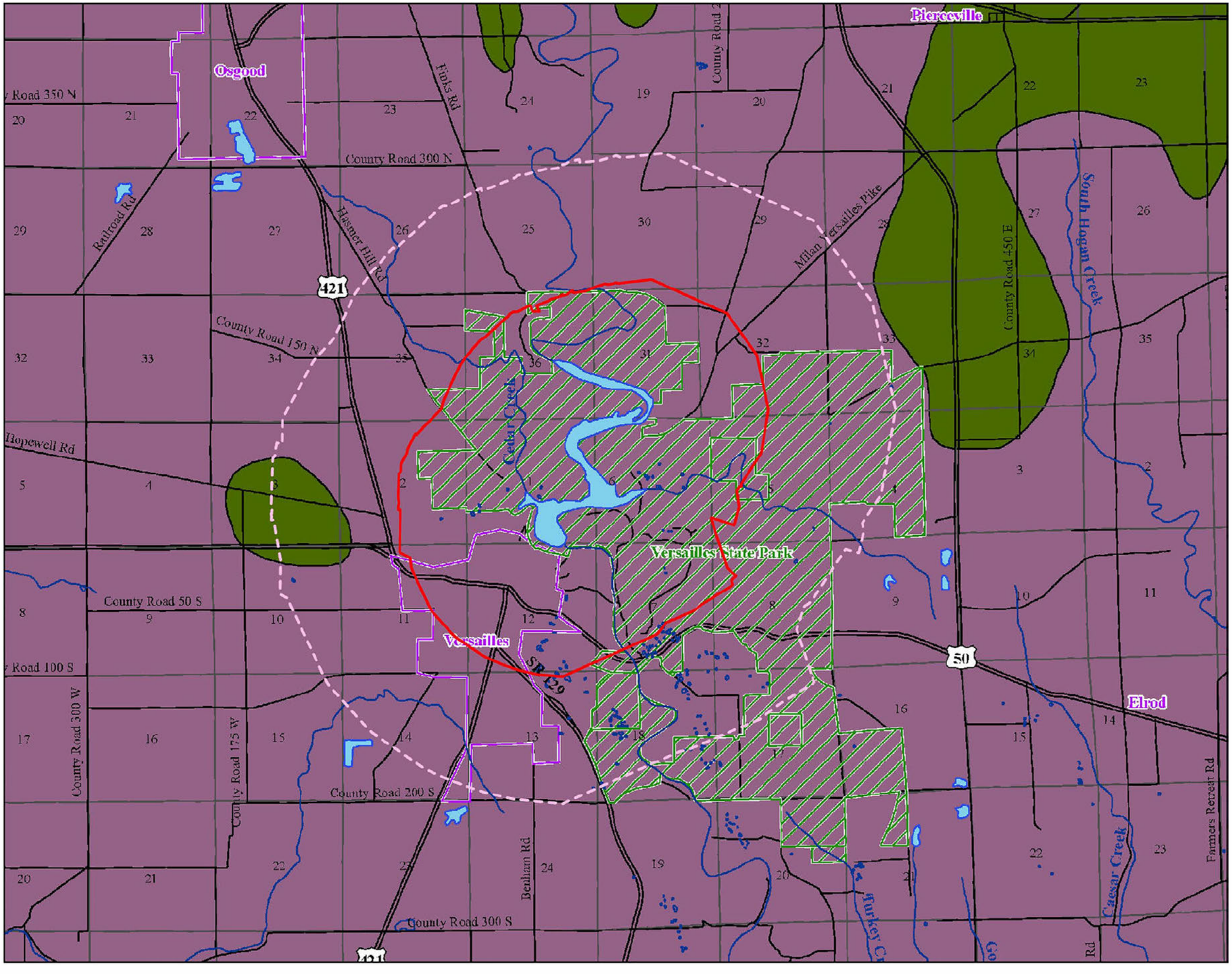


Figure No.
1

DRAFT

Title
Unconsolidated Aquifer Systems of Ripley County, Indiana

Client/Project 207515 8900
Indiana Department of Natural Resources

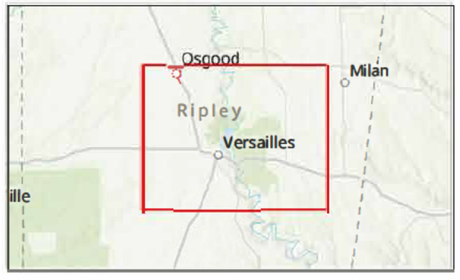
Project Location Prepared by LJP on 2026-01-29
Versailles Lake Indiana

N

0 1,000 2,000 Feet
(At original document size of 11x17)
1:500,000

Legend

- 2 mile Lake Buffer
- Lake Buffer
- Dissected Till and Residuum Aquifer System
- Muscatatuck Plateau / Dearborn Upland Till Aquifer System



Notes
1. Map: Adapted from Indiana Geological and Water Survey (IGWS). 2006. Unconsolidated Aquifer Systems of Ripley County, Indiana. Special Map 63, Bloomington, Indiana.

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Figure No.
2

DRAFT

Title

Bedrock Aquifer Systems of Ripley County, Indiana

Client/Project
Indiana Department of Natural Resources

2075158000

Project Location
Versailles Lake, Indiana

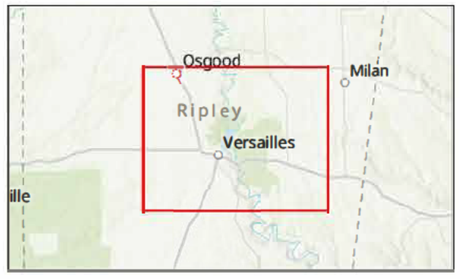
Prepared by LJP on 2026-01-29

N

0 1,000 2,000 Feet
(At original document size of 11x17)
1:500,000

Legend

- 2 mile Lake Buffer
- 1 mile Lake Buffer
- Ordovician – Maquoketa Group Aquifer System
- Silurian and Devonian Carbonates Aquifer System



Notes

1 Map: Adpted from Indiana Department of Natural Resources (IDNR, Division of Water. 2004. Bedrock Aquifer Systems of Ripley County, Indiana. Map by Gregory P. Schrader, Resource Assessment Section.

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Figure No.
3

DRAFT

Title
Wells Within 2 Mile Radius of Versailles Lake

Client/Project
Indiana Department of Natural Resources

2075158900

Project Location
Versailles Lake, Indiana

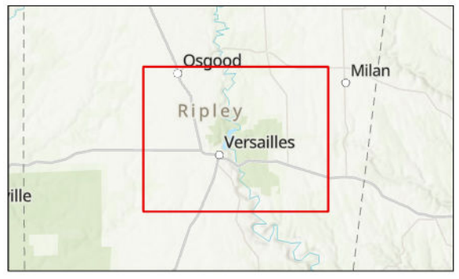
Prepared by LJP on 2026-01-29

N

0 1,000 2,000 Feet
(At original document size of 11x17)
1:50,000

Legend

Well Depth (feet)
- 0-25
- 25-50
- 100-500
- >500
- 2 mile Lake Buffer
- Lake Buffer
- Versailles Municipal Water Supply Service Area



Notes
1. Coordinate System: NAD 1983 UTM Zone 16N
2. Wells taken from Indiana Well Index

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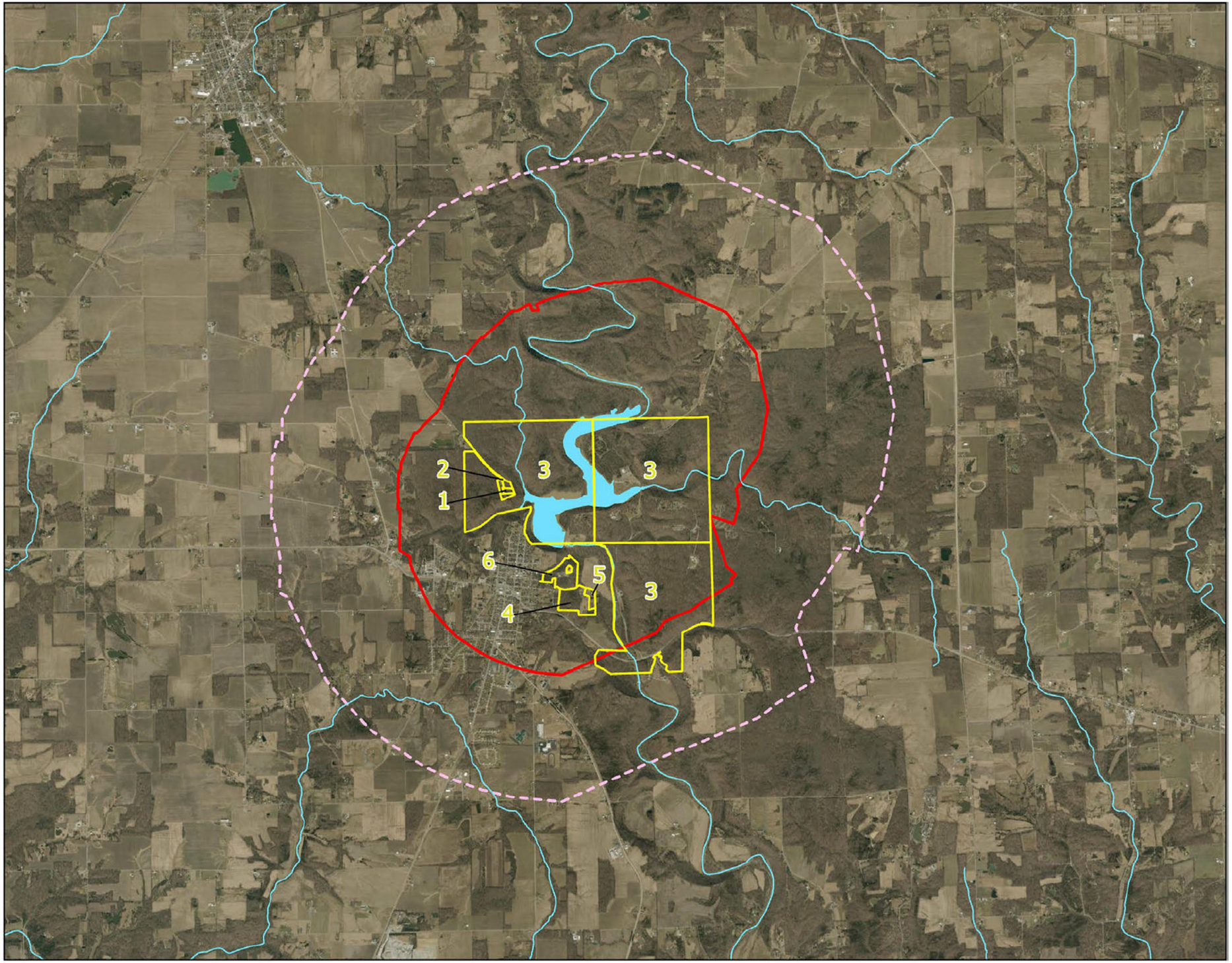

Figure No.
4

DRAFT

Title
Supplemental Parcel Search

Client/Project
Indiana Department of
Natural Resources

2075158900

Project Location
Versailles Lake, Indiana

Prepared by LJP on 2026-01-29

N

0 1,000 2,000 Feet
(At original document size of 11x17)
1:500,000

Legend

- 2 mile Lake Buffer
- 1 mile Lake Buffer
- Parcels Potentially Requiring Contact

Notes
1. Coordinate System: NAD 1983 UTM Zone 16N
2. Wells locations from Indiana Well Database

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Tables

Table 1-Well Details
Versailles Lake, Indiana

Well ID	Well Name	Well Depth feet bgs	Ground Elevation feet amsl	Aquifer	Installation Date	Static Depth to Water feet bgs	Casing Length feet	Casing Diameter inches	Potential to be affected by proposed dam removal	Notes
292270	I.D.C. Versailles Park	85	792.5	Bedrock	--	--	--	--	unknown	identified as borehole: test hole #6
218124	William Kemker	43	971	Surficial Unconsolidated Aquifer	7/22/1986	18	43	30	low	completed in surficial aquifer in upland setting
421783	St Pius Church	61	976(1)	Surficial Unconsolidated Aquifer	7/8/2010	35	61	30	low	completed in surficial aquifer in upland setting
218133	David Walsh	100	965	Bedrock	7/2/1988	--	12	6.63	low	greater than 1 mile from Versailles Lake; bedrock well: located in upland setting
292275	I.D.C. Versailles Park	20	766	Bedrock	--	--	--	--	unknown	identified as borehole: test hole 2a
224077	Mr. Gable Patrick	80	970	Surficial Unconsolidated Aquifer	8/13/1971	--	--	--	low	completed in surficial aquifer in upland setting
224067	Donney Craigmile	27	970	Surficial Unconsolidated Aquifer	4/8/1966	--	27	35	low	completed in surficial aquifer in upland setting
224072	Dale Cardinal	18	960	Surficial Unconsolidated Aquifer	6/11/1966	12	18	35	low	completed in surficial aquifer in upland setting
224037	Franks	1598	938	Bedrock	2/1/1940	--	--	--	low	greater than 1 mile from Versailles Lake: deep well. Pre-dates dam construction.
256244	Pauline Hulter	65	980(1)	Bedrock	5/24/1990	12	16.5	6.63	low	greater than 1 mile from Versailles Lake; bedrock well: located in upland setting

Notes
(1) estimated from topographic map

Table 2-Potential Residences to Contact
Versailles Lake, Indiana

Owner ID	Owner Name	Parcel Number	Notes
1	Gradys Getaway LLC	69-13-01-300-006.000-013	Lot # 1, 2.21 acres
1	Gradys Getaway LLC	69-13-01-300-006.001-013	Lot # 2, 2.14 acres
1	Gradys Getaway LLC	69-13-01-600-005.000-013	Lot # 3, 2.5 acres
1	Gradys Getaway LLC	69-13-01-600-004.000-013	Lot # 4, 2.4 acres
2	Maureen Baird	69-13-01-200-003.000-013	0.11 acres
3	State of Indiana IDNR	69-13-01-900-001.000.013	554.24 acres
3	State of Indiana IDNR	69-14-07-900-001.000.013	436.47 acres
3	State of Indiana IDNR	69-14-06-900-001.000-013	Unknown - not identified on state parcel map, identified in GIS database.
4	Kenton W Trustee Brown	69-13-12-800-025.000-013	26.04 acres
5	Karen Mae Hilig	69-13-12-100-026.000-013	5.94 acres
6	Town of Versailles	69-13-12-100-002.001-013	1.19 acres
6	Town of Versailles	69-13-12-100-002.000-013	27.93 acres

Appendix A Detailed Well Records

Record of Water Well

Indiana Department of Natural Resources

Reference Number	**Driving directions to well**	**Date completed**
218124	FROM DELAWARE S ON 129 TO MILAN RD W ON MILAN RD TO DELAWARE RD SW ON DELAWARE RF TO 3RD HOUSE ON W SIDE OF RD HOUSE TRAILER	Jul 22, 1986

Owner-Contractor	**Name**	**Address**	**Telephone**
Owner	WILLIAM KEMKER	[redacted]	
Driller	HENRY ROSE	R 1 MILAN, IND	
Operator	HENRY ROSE	License: null	

Construction Details

Well	**Use:** Home	**Drilling method:** Bucket Rig	**Pump type:**
	Depth: 43.0	**Pump setting depth:**	**Water quality:** CLEAR
Casing	**Length:** 43.0	**Material:**	**Diameter:** 30.0
Screen	**Length:**	**Material:**	**Diameter: Slot size:**

Well Capacity Test

Type of test: **Test rate:** gpm for hrs. **BailTest rate:** 3.0 gpm for 2.0 hrs.
Drawdown: ft. **Static water level:** 18.0 ft. **Bailer Drawdown** 0.0 ft.

Grouting Information

Material: **Depth:** from to
Installation Method: **Number of bags used:**

Well Abandonment

Sealing material: **Depth:** from to
Installation Method: **Number of bags used:**

Administrative

County: RIPLEY **Township:** 8N **Range:** 12E
Section: SE of the SE of the SE of Section 31 **Topo map:** MILAN
Grant Number:
Field located by: BV **on:** May 31, 1990
Courthouse location by: **on:**
Location accepted w/o verification by: **on:**
Subdivision name: **Lot number:**
Ft W of EL: 650.0 **Ft N of SL:** 300.0 **Ft E of WL:** **Ft S of NL:**
Ground elevation: 971.0 **Depth to bedrock:** **Bedrock elevation:** **Aquifer elevation:** 938.0
UTM Easting: 653318.0 **UTM Northing:** 4328003.0

Well Log

Top	Bottom	Formation

0.0	1.0	TOPSOIL
1.0	15.0	YEL CLAY
15.0	17.0	BR SAND
17.0	19.0	BR GRAV
19.0	34.0	GREY SILT
34.0	43.0	GREY CLAY

Comments MC 928; SEE MAP; VER BY OWNER;

Record of Water Well

Indiana Department of Natural Resources

Reference Number	**Driving directions to well**	**Date completed**
218133	S ON 421 FROM OSGOOD TO FEEDER PIG AUT TURN E TO HANSER HILL RD TURN N TO 1ST LANE ON R	Jul 02, 1988

Owner-Contractor	**Name**	**Address**	**Telephone**
Owner	DAVID WALSH	[redacted]	
Driller	KING DRILLING	GREENSBURG, IND	
Operator	R KING	License: null	

Construction Details

Well	**Use:** Home	**Drilling method:** Rotary	**Pump type:**
	Depth: 100.0	**Pump setting depth:**	**Water quality:**
Casing	**Length:** 12.0	**Material:**	**Diameter:** 6.63
Screen	**Length:**	**Material:**	**Diameter: Slot size:**

Well Capacity Test

Type of test: **Test rate:** gpm for hrs. **BailTest rate:** gpm for hrs.
Drawdown: ft. **Static water level:** ft. **Bailer Drawdown** ft.

Grouting Information

Material: **Depth:** from to
Installation Method: **Number of bags used:**

Well Abandonment

Sealing material: **Depth:** from to
Installation Method: **Number of bags used:**

Administrative

County: RIPLEY **Township:** 8N **Range:** 11E
Section: NW of the NW of the NE of Section 35 **Topo map:** VERSAILLES
Grant Number:
Field located by: BV **on:** May 31, 1990
Courthouse location by: **on:**
Location accepted w/o verification by: **on:**
Subdivision name: **Lot number:**
Ft W of EL: 2200.0 **Ft N of SL:** **Ft E of WL:** **Ft S of NL:** 700.0
Ground elevation: 965.0 **Depth to bedrock:** 7.0 **Bedrock elevation:** 958.0 **Aquifer elevation:**
UTM Easting: 649823.0 **UTM Northing:** 4329243.0

Well Log

Top	Bottom	Formation

0.0	7.0	YEL MUD
7.0	87.0	GREY LIME
87.0	100.0	SH

Comments MC 958; VER BY OWNER; SEE MAP; DRY HOLE;

Record of Water Well

Indiana Department of Natural Resources

Reference Number
224037

Driving directions to well

Date completed
Feb 01, 1940

Owner-Contractor	**Name**	**Address**	**Telephone**
Owner	FRANKS		
Driller	STOLL OIL REFINING CO.		

Construction Details

Well	**Use:**	**Drilling method:**	**Pump type:**
	Depth: 1598.0	**Pump setting depth:**	**Water quality:**
Casing	**Length:**	**Material:**	**Diameter:**
Screen	**Length:**	**Material:**	**Diameter: Slot size:**

Well Capacity Test
Type of test: **Test rate:** gpm for hrs. **BailTest rate:** gpm for hrs.
Drawdown: ft. **Static water level:** ft. **Bailer Drawdown** ft.

Grouting Information
Material: **Depth:** from to
Installation Method: **Number of bags used:**

Well Abandonment
Sealing material: **Depth:** from to
Installation Method: **Number of bags used:**

Administrative
County: RIPLEY **Township:** 7N **Range:** 11E
Section: SW of the NE of the NW of Section 14 **Topo map:** VERSAILLES
Grant Number:
Field located by: **on:**
Courthouse location by: **on:**
Location accepted w/o verification by: **on:**
Subdivision name: **Lot number:**
Ft W of EL: **Ft N of SL:** **Ft E of WL:** 1400.0 **Ft S of NL:** 700.0
Ground elevation: 938.0 **Depth to bedrock:** 25.0 **Bedrock elevation:** 913.0 **Aquifer elevation:**
UTM Easting: 649390.0 **UTM Northing:** 4324450.0

Well Log

Top	Bottom	Formation
0.0	2.5	SOFT TOP SOIL

2.5	100.0	BLUE LIME & SLATE
100.0	160.0	SLATE
160.0	340.0	LIME & SHELLS GAS @205
340.0	365.0	GRAY LIME
365.0	520.0	LIME & SLATE
520.0	600.0	LIME & SLATE
600.0	675.0	BLUE SLATE & LIME W/ SHELLS
675.0	740.0	BROWN LIME AND SLATE
740.0	810.0	LIME BROWN
810.0	850.0	HARD SLATE
850.0	1260.0	LIME MULTIPLE HARDNESS
1260.0	1270.0	BROWN SAND SALT WATER
1270.0	1340.0	GRAY BROWN LIME
1340.0	1344.0	DARK BROWN SAND
1344.0	1348.0	GRAY LIME
1348.0	1364.0	GRAY LIME W/ GREEL SHALE
1364.0	1396.0	LIME VARIOUS COLORS
1396.0	1411.0	WHITE SANDY LIME
1411.0	1438.0	BLUE & WHITE SAND
1438.0	1598.0	WHITE SILICA SAND

Comments DRY HOLE; OIL & GAS; DRILLER'S NOTES ATTACHED; CASING RECORD - 10" - 13'; 8.25" 834; 6.625 - 1203

Record of Water Well

Indiana Department of Natural Resources

Reference Number	**Driving directions to well**	**Date completed**
224067	1.5 MI W OF VERSAILLES ON SR50.	Apr 08, 1966

Owner-Contractor	**Name**	**Address**	**Telephone**
Owner	DONNEY CRAIGMILE	VERSAILLES	
Driller	WILLARD ROSE & SON	RR3, OSGOOD IN	
Operator	WILLARD ROSE	License: null	

Construction Details

Well	**Use:**	**Drilling method:** Reverse Rotary	**Pump type:**
	Depth: 27.0	**Pump setting depth:**	**Water quality:**
Casing	**Length:** 27.0	**Material:**	**Diameter:** 35.0
Screen	**Length:**	**Material:**	**Diameter: Slot size:**

Well Capacity Test

Type of test: **Test rate:** gpm for hrs. **BailTest rate:** 6.0 gpm for 1.0 hrs.
Drawdown: ft. **Static water level:** ft. **Bailer Drawdown** 12.0 ft.

Grouting Information

Material: **Depth:** from to
Installation Method: **Number of bags used:**

Well Abandonment

Sealing material: **Depth:** from to
Installation Method: **Number of bags used:**

Administrative

County: RIPLEY **Township:** 7N **Range:** 11E
Section: SE of the SE of the SE of Section 3 **Topo map:** VERSAILLES
Grant Number:
Field located by: **on:**
Courthouse location by: **on:**
Location accepted w/o verification by: LES **on:** Jun 01, 1966
Subdivision name: **Lot number:**
Ft W of EL: 100.0 **Ft N of SL:** 100.0 **Ft E of WL:** **Ft S of NL:**
Ground elevation: 970.0 **Depth to bedrock:** **Bedrock elevation:** **Aquifer elevation:** 943.0
UTM Easting: 648825.0 **UTM Northing:** 4326294.0

Well Log

Top	Bottom	Formation

	0.0	2.0	SOIL
	2.0	21.0	YEL CLAY
	21.0	22.0	ORANGE SAND
	22.0	27.0	GRAY GRAV & SAND

Comments MC 943;

Record of Water Well

Indiana Department of Natural Resources

Reference Number	**Driving directions to well**	**Date completed**
224072	ON SR421 NEAR REST PARK W OF VERSAILLES & JCT 50.	Jun 11, 1966

Owner-Contractor	**Name**	**Address**	**Telephone**
Owner	DALE CARDINAL	DILLSBORO	
Driller	WILLARD ROSE & SON	RR3, OSGOOD IN	
Operator	WILLARD ROSE	License: null	

Construction Details

Well	**Use:** Home	**Drilling method:** Reverse Rotary	**Pump type:**
	Depth: 18.0	**Pump setting depth:**	**Water quality:**
Casing	**Length:** 18.0	**Material:**	**Diameter:** 35.0
Screen	**Length:**	**Material:**	**Diameter: Slot size:**

Well Capacity Test

Type of test: **Test rate:** gpm for hrs. **BailTest rate:** gpm for hrs.
Drawdown: ft. **Static water level:** 12.0 ft. **Bailer Drawdown** 6.0 ft.

Grouting Information

Material: **Depth:** from to
Installation Method: **Number of bags used:**

Well Abandonment

Sealing material: **Depth:** from to
Installation Method: **Number of bags used:**

Administrative

County: RIPLEY **Township:** 7N **Range:** 11E
Section: SW of the SE of the SW of Section 2 **Topo map:** VERSAILLES
Grant Number:
Field located by: PAC **on:** Jul 01, 1971
Courthouse location by: **on:**
Location accepted w/o verification by: **on:**
Subdivision name: **Lot number:**
Ft W of EL: **Ft N of SL:** 450.0 **Ft E of WL:** 1900.0 **Ft S of NL:**
Ground elevation: 960.0 **Depth to bedrock:** **Bedrock elevation:** **Aquifer elevation:** 942.0
UTM Easting: 649522.0 **UTM Northing:** 4326355.0

Well Log

Top	Bottom	Formation

0.0	1.0	SOIL
1.0	10.0	YEL CLAY
10.0	14.0	SAND
14.0	18.0	YEL CLAY

Comments MC 942; MAILBOX VERIFICATION;

Record of Water Well

Indiana Department of Natural Resources

Reference Number	**Driving directions to well**	**Date completed**
224077	GO N FROM VERSAILLES ON SR421. 1MI TO THE BELLAIR THEATHER. 1ST LOT ON L FOR HOUSE TRAILER.	Aug 13, 1971

Owner-Contractor	**Name**	**Address**	**Telephone**
Owner	MR. GABLE PATRICK	VERSAILLES IN	
Driller	KING WELL DRLG	R1, DILLSBORO IN	(000) 432-5789
Operator	JACK KING	License: null	

Construction Details

Well	**Use:** Home	**Drilling method:** Cable Tool	**Pump type:**
	Depth: 80.0	**Pump setting depth:**	**Water quality:**
Casing	**Length:**	**Material:**	**Diameter:**
Screen	**Length:**	**Material:**	**Diameter: Slot size:**

Well Capacity Test

Type of test: **Test rate:** gpm for hrs. **BailTest rate:** 0.0 gpm for 0.0 hrs.
Drawdown: ft. **Static water level:** ft. **Bailer Drawdown** ft.

Grouting Information

Material: **Depth:** from to
Installation Method: **Number of bags used:**

Well Abandonment

Sealing material: **Depth:** from to
Installation Method: **Number of bags used:**

Administrative

County: RIPLEY **Township:** 7N **Range:** 11E
Section: NW of the NE of the SW of Section 2 **Topo map:** VERSAILLES
Grant Number:
Field located by: DPM **on:** Aug 02, 1981
Courthouse location by: **on:**
Location accepted w/o verification by: **on:**
Subdivision name: **Lot number:**
Ft W of EL: **Ft N of SL:** 2200.0 **Ft E of WL:** 1500.0 **Ft S of NL:**
Ground elevation: 970.0 **Depth to bedrock:** **Bedrock elevation:** **Aquifer elevation:** 890.0
UTM Easting: 649379.0 **UTM Northing:** 4326920.0

Well Log

Top	Bottom	Formation

0.0	1.3	TOPSOILK
1.3	35.0	YEL MUD
35.0	80.0	BLUE MUD ON DOWN

Comments W OF TRAILER; WELL ABANDONED; MC;

Record of Water Well

Indiana Department of Natural Resources

Reference Number	**Driving directions to well**	**Date completed**
256244	129 S OF 421 AT STATE POLICE POST, 2ND PLACE ON L PAST WOODS EQ & CEMETARY	May 24, 1990

Owner-Contractor	**Name**	**Address**	**Telephone**
Owner	PAULINE HULTER	[redacted]	[redacted]
Driller	REMMLER WELL DRLG	R1, BOX 278, GREENSBURG, IN	(812) 663-8178
Operator	JOHN REMMLER	License: 470	

Construction Details

Well	**Use:** Home	**Drilling method:** Other	**Pump type:** Submersible
	Depth: 65.0	**Pump setting depth:**	**Water quality:**
Casing	**Length:** 16.5	**Material:** PVC	**Diameter:** 6.63
Screen	**Length:**	**Material:**	**Diameter: Slot size:**

Well Capacity Test

Type of test: Pumping **Test rate:** 1.0 gpm for hrs. **BailTest rate:** gpm for hrs.
Drawdown: 53.0 ft. **Static water level:** 12.0 ft. **Bailer Drawdown** ft.

Grouting Information

Material: ENVIROPLUG **Depth:** from 0.0 to 16.5
Installation Method: **Number of bags used:** 2.5

Well Abandonment

Sealing material: **Depth:** from to
Installation Method: **Number of bags used:**

Administrative

County: RIPLEY **Township:** 7N **Range:** 11E
Section: of Section 13 **Topo map:** MILAN
Grant Number:
Field located by: **on:**
Courthouse location by: **on:**
Location accepted w/o verification by: **on:**
Subdivision name: **Lot number:**
Ft W of EL: **Ft N of SL:** **Ft E of WL:** **Ft S of NL:**
Ground elevation: **Depth to bedrock:** **Bedrock elevation:** **Aquifer elevation:**
UTM Easting: **UTM Northing:**

Well Log

Top	Bottom	Formation

0.0	7.0	BR CLAY
7.0	8.0	LAY OF BR ROCK
8.0	15.0	RED CLAY
15.0	65.0	GRAY MED STONE

Comments

Record of Water Well

Indiana Department of Natural Resources

Reference Number
292270

Driving directions to well
TEST HOLE #6

Date completed

Owner-Contractor

	Name	Address	Telephone
Owner	I.D.C. VERSAILLES PARK		

Construction Details

Well	**Use:**	**Drilling method:**	**Pump type:**
	Depth: 85.0	**Pump setting depth:**	**Water quality:**
Casing	**Length:**	**Material:**	**Diameter:**
Screen	**Length:**	**Material:**	**Diameter: Slot size:**

Well Capacity Test
Type of test: **Test rate:** gpm for hrs. **BailTest rate:** gpm for hrs.
Drawdown: ft. **Static water level:** ft. **Bailer Drawdown** ft.

Grouting Information
Material: **Depth:** from to
Installation Method: **Number of bags used:**

Well Abandonment
Sealing material: **Depth:** from to
Installation Method: **Number of bags used:**

Administrative
County: RIPLEY **Township:** 7N **Range:** 11E
Section: of Section 1 **Topo map:** VERSAILLES
Grant Number:
Field located by: **on:**
Courthouse location by: **on:**
Location accepted w/o verification by: **on:**
Subdivision name: **Lot number:**
Ft W of EL: **Ft N of SL:** **Ft E of WL:** **Ft S of NL:**
Ground elevation: 792.5 **Depth to bedrock:** 10.0 **Bedrock elevation:** 782.0 **Aquifer elevation:**
UTM Easting: **UTM Northing:**

Well Log

Top	Bottom	Formation
0.0	9.0	HARD YEL CLAY
9.0	10.0	CLAY W/SAND

10.0	12.0	CLAY W/BROKEN & DECAYED ROCK
12.0	85.0	LS SH

Comments

Record of Water Well

Indiana Department of Natural Resources

Reference Number
292275

Driving directions to well
TEST HOLE #2A

Date completed

Owner-Contractor

	Name	Address	Telephone
Owner	I.D.C. VERSAILLES PARK		

Construction Details

Well	**Use:**	**Drilling method:**	**Pump type:**
	Depth:	**Pump setting depth:**	**Water quality:**
Casing	**Length:**	**Material:**	**Diameter:**
Screen	**Length:**	**Material:**	**Diameter: Slot size:**

Well Capacity Test
Type of test: **Test rate:** gpm for hrs. **BailTest rate:** gpm for hrs.
Drawdown: ft. **Static water level:** ft. **Bailer Drawdown** ft.

Grouting Information
Material: **Depth:** from to
Installation Method: **Number of bags used:**

Well Abandonment
Sealing material: **Depth:** from to
Installation Method: **Number of bags used:**

Administrative
County: RIPLEY **Township:** 7N **Range:** 11E
Section: of Section 2 **Topo map:** VERSAILLES
Grant Number:
Field located by: **on:**
Courthouse location by: **on:**
Location accepted w/o verification by: **on:**
Subdivision name: **Lot number:**
Ft W of EL: **Ft N of SL:** **Ft E of WL:** **Ft S of NL:**
Ground elevation: 766.0 **Depth to bedrock:** **Bedrock elevation:** **Aquifer elevation:**
UTM Easting: **UTM Northing:**

Well Log

Top	Bottom	Formation
0.0	9.0	SURFACE
9.0	20.0	LS SH

Comments

Record of Water Well

Indiana Department of Natural Resources

Reference Number	**Driving directions to well**	**Date completed**
421783	FROM THE INTERSECTION OF IN SR 48 & IN SR 101 W ON IN SR 48 TO CR 500E. S ON CR 500E APPROX .7 MI. CHURCH ON E SIDE OF CR 500E. BUILDING # 7940 N CR 5	Jul 08, 2010

Owner-Contractor	**Name**	**Address**	**Telephone**
Owner	ST PIUS CHURCH	6459 E ST NICHOLAS DR SUNMAN, IN	(812) 654-2108
Driller	HENRY ROSE & SON	8601 E SR 48 MILAN, IN	(812) 623-2466
Operator	HENRY ROSE JR	License: 94	
Company	UNKNOWN		

Construction Details

Well	**Use:** Other	**Drilling method:** Bucket Rig	**Pump type:**
	Depth: 61.0	**Pump setting depth:**	**Water quality:** CLEAR
Casing	**Length:** 61.0	**Material:** CONCRETE	**Diameter:** 30.0
Screen	**Length:**	**Material:**	**Diameter: Slot size:**

Well Capacity Test

Type of test: Bailing **Test rate:** 0.5 gpm for 3.0 hrs. **BailTest rate:** gpm for hrs.
Drawdown: 0.0 ft. **Static water level:** 35.0 ft. **Bailer Drawdown** ft.

Grouting Information

Material: GRANULAR BENTONITE **Depth:** from 0.0 to 8.0
Installation Method: DRY POUR **Number of bags used:** 13.0

Well Abandonment

Sealing material: **Depth:** from to
Installation Method: **Number of bags used:**

Administrative

County: RIPLEY **Township:** 19N **Range:** 12E
Section: NE of Section 34 **Topo map:** PIERCEVILLE
Grant Number:
Field located by: **on:**
Courthouse location by: **on:**
Location accepted w/o verification by: **on:**
Subdivision name: **Lot number:**
Ft W of EL: **Ft N of SL:** **Ft E of WL:** **Ft S of NL:**
Ground elevation: **Depth to bedrock:** 61.0 **Bedrock elevation:** **Aquifer elevation:**
UTM Easting: **UTM Northing:**

Well Log

Top	Bottom	Formation

0.0	1.0	TOPSOIL
1.0	18.0	BROWN CLAY
18.0	35.0	GREY CLAY
35.0	36.5	GREY SAND (WET COURSE)
36.5	61.0	GREY CLAY
61.0		STONE (ROCK)

Comments