Ethibit 2 continues

APPENDIX A-1

PENNSYLVANIA GROUNDWATER INFORMATION SYSTEM WELL RECORDS WITHIN COLUMBUS TOWNSHIP, PA

PA Topographic & Geologic Survey

SELECTED WELLS

Menu

New Selection

Email comments to Topo Geo.

You have selected 35 Well(s). To create a comma separated list of all these wells, click **Create List**. If you want to limit the list, place check marks next to the wells you want to have included, and then click **Create List**.



Page 1 of 2

Next Page

Record	PA Well ID	Driller	Driller Well ID	Date Drilled	Owner	County	Municipality	Image
1	405210	ELIASON WATER WELL DRILLING		2/7/1994	Starte .	WARREN	COLUMBUS TWP.	View Image
□ 2	33539	ALFRED L BURCH		5/1/1966	ALLEN , BRUCE C	WARREN	COLUMBUS TWP.	No Image
3	405201	MCCRAY WELL DRILLING		10/1/1998	AYERS	WARREN	COLUMBUS TWP.	View Image
	405194	CLEARWATER DRILLING COMPANY		11/18/2002	BECKWITH	WARREN	COLUMBUS TWP.	View Image
□ 5	33614	YORK WATER WELL DRILLING CO INC		6/1/1979	BEDJORSKI , C	WARREN	COLUMBUS TWP.	No Image
6	<u>33629</u>	ACKERMAN DRILLING		10/1/1980	BULL, MICHEAL	WARREN	COLUMBUS TWP.	No Image
□ 7	405195	SAXTON WELL SERVICE, INC.		1/1/2002	BYERS	WARREN	COLUMBUS TWP.	View Image
□ 8	405213	MCCRAY WELL DRILLING		7/1/1990	CORTER	WARREN	COLUMBUS TWP.	View Image
□ 9	33531	JOHNSON'S DRILLING		4/1/1986	EASTMAN, S	WARREN	COLUMBUS TWP.	No Image
10	146667	MCCRAY WELL DRILLING		6/1/1988	FRONTERY DAVID	WARREN	COLUMBUS TWP.	No Image
☐ 11	405216	JOHNSON DRILLING		4/25/1994	GADES	WARREN	COLUMBUS TWP.	<u>View</u> <u>Image</u>
12	405208	JOHNSON DRILLING		7/1/1997	HILL FARM	WARREN	COLUMBUS TWP.	View Image

Ů,	13	405205	DANIEL P HORNBURG	9/1/1998	HORNBURG	WARREN	COLUMBUS TWP.	View Image
	14	405202	JEFFREY COBB DRILLING	7/15/1999	JENSON	WARREN	COLUMBUS TWP.	View Image
	15	405198	CLEARWATER DRILLING COMPANY	6/21/2000	JOGAITH	WARREN	COLUMBUS TWP.	View Image
	16	405203	DANIEL P HORNBURG	8/3/1998	LAWSON	WARREN	COLUMBUS TWP.	View Image
	17	405200	DANIEL P HORNBURG	6/18/1999	MCCLAIN	WARREN	COLUMBUS TWP.	View Image
	18	405212	JENNINGS & SON DRILLING	5/1/1991	MCGURK	WARREN	COLUMBUS TWP.	View Image
	19	405196	MCCRAY WELL DRILLING	10/1/2001	MICK	WARREN	COLUMBUS TWP.	View Image
	20	405214	MCCRAY WELL DRILLING	9/1/1993	MIKE	WARREN	COLUMBUS TWP.	View Image

PA Topographic & Geologic Survey

SELECTED WELLS

Email comments to Topo Geo.

You have selected 35 Well(s). To create a comma separated list of all these wells, click **Create List**. If you want to limit the list, place check marks next to the wells you want to have included, and then click **Create List**.



New Selection

Menu

Page 2 of 2



Record	PA Well ID	Driller	Driller Well ID	Date Drilled	Owner	County	Municipality	Image
☐ 21	146668	JOHNSON DRILLING		8/1/1988	MILLER LAWRENCE	WARREN	COLUMBUS TWP.	No Image
□ 22°	405197	CLEARWATER DRILLING COMPANY		9/21/2001	MOWAR	WARREN	COLUMBUS TWP.	View Image
☐ 23	405211	MCCRAY WELL DRILLING	\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.	7/1/1992	NAGEL	WARREN	COLUMBUS TWP.	View Image
□ 24	146665	YORK WATER WELL DRILLING CO INC		5/1/1979	РЕНҮ D	WARREN	COLUMBUS TWP.	No Image
☐ 25	405199	GILLIS BROTHERS INC		9/1/1986	RAYMOND	WARREN	COLUMBUS TWP.	View Image
☐ 2 6	405217	MCCANDLESS WELL DRILLING INC		7/30/1996	RAYMOND	WARREN	COLUMBUS TWP.	View Image
☐ 27	33599	YORK WATER WELL DRILLING CO INC	* * * }	5/1/1985	REIFF , WILLIAM	WARREN	COLUMBUS TWP.	No Image
□ 28	405206	JOHNSON DRILLING		4/1/1999	SCAMENS	WARREN	COLUMBUS TWP.	View Image
□ 29	405207	JOHNSON DRILLING		8/1/1998	SEYMOUR	WARREN	COLUMBUS TWP.	View Image
	405218	JOHNSON DRILLING		12/1/1993	SINGH	WARREN	COLUMBUS TWP.	View Image
☐ 31	405209	MCCRAY WELL DRILLING			SONDSTROM	WARREN	COLUMBUS TWP.	<u>View</u> Image
		MCCRAY			STOCTON,		COLUMBUS	No

PaGWIS List Of Selected Wells

	☐ 32	33584	BROS		12/1/1979	CHARLES	WARREN	TWP.	Image
434	□ 33	405204	DANIEL P HORNBURG	PROPERTY	9/1/1998	TAYDUS	WARREN	COLUMBUS TWP.	View Image
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	□ 34		MCCRAY WELL DRILLING		6/1/1993	TRESSLEY	WARREN	COLUMBUS TWP.	View Image
	□ 35	146666	YORK WATER WELL DRILLING CO INC		5/1/1985	ZEIH C	WARREN	COLUMBUS TWP.	No Image

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 405210** Email comments to Topo Geo. Record: 1 of 35 (There is a total of 35 Wells in the list.) Next Well Last Well. Rettrick Summary (ast Well Driller: ELIASON WATER WELL DRILLING PA Well ID: 405210 License: 2094 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 2/7/1994 Drilling Method: Owner: Address of Well: 20 ACRE QUADRIN Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 1 of 35 (There is a total of 35 Wells in the list.) Loowally ...

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 33539** Email comments to Topo Geo. Record: 2 of 35 (There is a total of 35 Wells in the list.) Pour Veir Boy Wall 165 Will -Return to Stummary 12st Well Driller: ALFRED L BURCH PA Well ID: 33539 License: 0975 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 5/1/1966 Drilling Method: CABLE TOOL Owner: ALLEN, BRUCE C Address of Well: Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: COLUMBUS Latitude: 41.90667 Longitude: -79.55778 Well Depth (ft): 58 Well Finish: UNKNOWN Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): 12 Yield Measure Method: BAILER Static Water Level: 12 Water level after yield test: 18 (ft below land surface) (ft below land surface)

Length of Yield Test: 2 Saltwater Zone(ft):

(minutes)

Use of Well: WITHDRAWAL Use of Water: **DOMESTIC**

Description of Well Location and Other Notes: **SAMPLE 9203230**

BOREHOLE

Top Bottom Diameter

SECTION 1: 58 6

CASING

CASING 1: Top: 0 Bottom: Diameter: 6 Material: UNKNOWN

SCREENS/SLOTS

SCREEN 1: Top: 54 Bottom: Diameter:

Type: OTHER

Material: UNKNOWN Slot Size: 0

Record: 2 of 35 (There is a total of 35 Wells in the list.)

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PaGWIS PA Topographic & Geologic Survey DETAILS FOR WELL 405201 Email comments to Topo Geo. Record: 3 of 35 (There is a total of 35 Wells in the list.) First Well Prev.Well Next Well Last Well's Return to Summary List Well Driller: MCCRAY WELL DRILLING PA Well ID: 405201 License: 1664 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 10/1/1998 **Drilling Method:** Owner: AYERS Address of Well: SC HILL RD, COLUMBUS Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 3 of 35 (There is a total of 35 Wells in the list.)

Return to Summary List

Estavois.

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 405194 Email comments to Topo Geo. (There is a total of 35 Wells in the list.) Record: 4 of 35 Well Driller: CLEARWATER DRILLING COMPANY PA Well ID: 405194 License: 2073 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 11/18/2002 Drilling Method: Owner: BECKWITH Address of Well: BOX 22, BEAR LAKE Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Longitude: Latitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 4 of 35 (There is a total of 35 Wells in the list.) a New Wall Replie to Summary Lists

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 33614 Email comments to Topo Geo. Record: 5 of 35 (There is a total of 35 Wells in the list.) (6) ta (2) Par Vall Serven. Return to Summary List Well Driller: YORK WATER WELL DRILLING CO INC PA Well ID: 33614 License: 1378 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 6/1/1979 Drilling Method: OTHER/UNKNOWN Owner: BEDJORSKI, C Address of Well: Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: COLUMBUS Latitude: 41.95139 Longitude: -79.50417 Well Depth (ft): 130 Well Finish: OPEN HOLE Depth to Bedrock(ft): Did Not Encounter Bedrock: REPORTED, Well Yield (gpm): 50 Yield Measure Method: METHOD NOT Static Water Level: 60 Water level after yield test: 60 (ft below land surface) (ft below land surface) Length of Yield Test: 0.3 Saltwater Zone(ft): (minutes) Use of Well: WITHDRAWAL Use of Water: DOMESTIC CASING CASING 1: Top: 0 Bottom: 39 Diameter: 6 Material: UNKNOWN Record: 5 of 35 (There is a total of 35 Wells in the list.) .Vig.Well-NGYMYOH : a le cr-Vali-Return to Summary List

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 33629 New Nelection Email comments to Topo Geo. Record: 6 of 35 (There is a total of 35 Wells in the list.) Prev. Well Return to Summary Lists Well Driller: ACKERMAN DRILLING PA Well ID: 33629 License: 1094 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 10/1/1980 Drilling Method: OTHER/UNKNOWN Owner: BULL, MICHEAL Address of Well: Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: COLUMBUS Latitude: 41.96222 Longitude: -79.55083 Well Depth (ft): 65 Well Finish: OPEN HOLE Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): 30 Yield Measure Method: BAILER Static Water Level: 13 Water level after yield test: 45 (ft below land surface) (ft below land surface) Length of Yield Test: 3 Saltwater Zone(ft): (minutes) Use of Well: WITHDRAWAL Use of Water: DOMESTIC BOREHOLE Top Bottom Diameter

SECTION 1: 0 65

Persych -

CASING

CASING 1: Top: 0 Bottom: 12 Diameter: 6 Material: UNKNOWN

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Record: 6 of 35 (There is a total of 35 Wells in the list.)

Return to Summary List

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 405195** Email comments to Topo Geo. Record: 7 of 35 (There is a total of 35 Wells in the list.) First Well Refurn to Summary List Well Driller: SAXTON WELL SERVICE, INC. PA Well ID: 405195 License: 2272 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 1/1/2002 Drilling Method: Owner: BYERS Address of Well: RD 1 BOX 34 I, SPRINGCREEK Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 7 of 35 (There is a total of 35 Wells in the list.) Return to Summary List

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 405213** New Selection Email comments to Topo Geo. Record: 8 of 35 (There is a total of 35 Wells in the list.) Nati Wells John Well) Return to Summary List Well Driller: MCCRAY WELL DRILLING PA Well ID: 405213 License: 1664 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 7/1/1990 **Drilling Method:** Owner: CORTER Address of Well: RD 1 BOX 31, COLUMBUS Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: (There is a total of 35 Wells in the list.) Record: 8 of 35 s Paga Walt ircuwar. Return to Summary List Nes Veller

PA Topographic & Geologic Survey

PaGWIS

DETAILS FOR WELL 33531

RECEVAL.

Мена

New Selection

Email comments to Topo Geo.

Record: 9 of 35

(There is a total of 35 Wells in the list.)







Return to Summary List .

Well Driller: JOHNSON'S DRILLING

PA Well ID: 33531

License: 1708

Driller Well ID:

Type of Activity:

Original Well By:

Date Drilled: 4/1/1986

Drilling Method: OTHER/UNKNOWN

Owner: EASTMAN, S

Address of Well:

Zipcode:

County: WARREN

Municipality: COLUMBUS TWP.

Quadrangle: COLUMBUS

Latitude: 41.90778

Longitude: -79.56583

Well Depth (ft): 70

Well Finish: OPEN HOLE

Depth to Bedrock(ft):

Did Not Encounter Bedrock:

Well Yield (gpm): 11.8

Yield Measure Method: BAILER

Static Water Level: 30

Water level after yield test: 70 (ft below land surface)

(ft below land surface)

Saltwater Zone(ft):

Length of Yield Test: 0.3

(minutes)

Use of Water: DOMESTIC

BOREHOLE

Top Bottom Diameter

Use of Well: WITHDRAWAL

SECTION 1:

70

6

CASING

CASING 1: Top: 0 Bottom: 60 Diameter: 6 Material: STEEL

WATER BEARING ZONE

WATER BEARING ZONE 1: Top: 62 Bottom:

Yield:

WATER BEARING ZONE 2: Top: 68 Bottom: Yield:

Record: 9 of 35

(There is a total of 35 Wells in the list.)









PaGWIS List Of Selected Wells

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 146667 Menu New Selection Email comments to Topo Geo. Record: 10 of 35 (There is a total of 35 Wells in the list.) Fina Well Prev Well Next Well Return to Summary List Well Driller: MCCRAY WELL DRILLING PA Well ID: 146667 License: 1664 Driller Well ID: Type of Activity: New Well Original Well By: Date Drilled: 6/1/1988 Drilling Method: Owner: FRONTERY DAVID Address of Well: Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: COLUMBUS Latitude: 41.89722 Longitude: -79.56528 Well Depth (ft): 59 Well Finish: OPEN HOLE Depth to Bedrock(ft): 20 Did Not Encounter Bedrock: Well Yield (gpm): 10 Yield Measure Method: BAILER Static Water Level: 20 Water level after yield test: 35 (ft below land surface) (ft below land surface) Length of Yield Test: 1 Saltwater Zone(ft): (minutes) Use of Well: WITHDRAWAL Use of Water: DOMESTIC **CASING** CASING 1: Top: 0 Bottom: 21 Diameter: 6 Material: SEAL 1 Top: Bottom: Type: NONE Record: 10 of 35 (There is a total of 35 Wells in the list.)

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Return to Summary List

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New Welf

PaGWIS PA Topographic & Geologic Survey DETAILS FOR WELL 405216 Мели Email comments to Topo Geo. (There is a total of 35 Wells in the list.) Record: 11 of 35 Prev. Well Return to Summishyd ist Next Well Last Well First Well PA Well ID: 405216 Well Driller: JOHNSON DRILLING Driller Well ID: License: 0761 Original Well By: Type of Activity: Drilling Method: Date Drilled: 4/25/1994 Owner: GADES Address of Well: SIMMONS RD, COLUMBUS Zipcode: County: WARREN Municipality: COLUMBUS TWP. Latitude: Longitude: Quadrangle: Well Finish: Well Depth (ft): Depth to Bedrock(ft): Did Not Encounter Bedrock: Yield Measure Method: Well Yield (gpm): Water level after yield test: Static Water Level: (ft below land surface) (ft below land surface) Saltwater Zone(ft): Length of Yield Test: (minutes) Use of Water: Use of Well: (There is a total of 35 Wells in the list.) Record: 11 of 35

Stew Walk

Remivelt

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 405208 Email comments to Topo Geo. Record: 12 of 35 (There is a total of 35 Wells in the list.) Her Well Mean Well Park Well Well Driller: JOHNSON DRILLING PA Well ID: 405208 License: 0761 Driller Well ID: Original Well By: Type of Activity: Date Drilled: 7/1/1997 Drilling Method: Owner: HILL FARM Address of Well: RD 2 BOX 121, CORRY Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Longitude: Latitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: (There is a total of 35 Wells in the list.) Record: 12 of 35 West AVAIL Kall Wells Return to Summary Lis

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PA Topographic & Geologic Survey	PaGV
DETAILS FOR WELL	405205 Men Mensolveiton
Email comments to <u>Topo Geo</u> .	
Record: 13 of 35	(There is a total of 35 Wells in the li
Lint Well ling well Not Well	past Well Remarks of the Remarks of the Community Control
Well Driller: DANIEL P HORNBUI	RG PA Well ID: 405205
License: 2043	Driller Well ID:
Type of Activity:	Original Well By:
Date Drilled: 9/1/1998	Drilling Method:
Owner: HORNBURG	
Address of Well: COLUMBUS	Zipcode:
County: WARREN	
Municipality: COLUMBUS TWP	
Quadrangle:	Latitude: Longitude:
Well Depth (ft):	Well Finish:
Depth to Bedrock(ft):	Did Not Encounter Bedrock:
Well Yield (gpm):	Yield Measure Method:
Static Water Level: (ft below land surface)	Water level after yield test: (ft below land surface)
Length of Yield Test:	Saltwater Zone(ft):
(minutes) Use of Well:	Use of Water:
Record: 13 of 35	(There is a total of 35 Wells in the lis

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 405202** Email comments to Topo Geo. Record: 14 of 35 (There is a total of 35 Wells in the list.) limst Well - Tipo yali ~ ฟุลิติพิสเ Lig. Wall Return to Summary List Well Driller: JEFFREY COBB DRILLING PA Well ID: 405202 License: 2273 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 7/15/1999 **Drilling Method:** Owner: JENSON Address of Well: BOX 109 Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 14 of 35 (There is a total of 35 Wells in the list.)

Return to Summary List

in ac Walk

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 405203 Email comments to Topo Geo. Record: 16 of 35 (There is a total of 35 Wells in the list.) Binst Well In-CWell Return to Summary List Well Driller: DANIEL P HORNBURG PA Well ID: 405203 License: 2043 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 8/3/1998 Drilling Method: Owner: LAWSON Address of Well: RD 1, COLUMBUS Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 16 of 35 (There is a total of 35 Wells in the list.) Prev Well Return to Summary List

PA Topographic & Geologic Surv	rey		PaGWIS
DETAILS FOR WELI	L 405200	Menn	New Selection
Email comments to Topo Geo.	esser e engagger supre rasing		
Record: 17 of 35	(The	ere is a total of 35 We	lls in the list.)
Brackett RecWell Roy Well	Company Company	Remp	16 Stimusty List
Well Driller: DANIEL P HORNE	SURG	PA Well ID:	405200
License: 2043		Driller Well ID:	
Type of Activity:	Original W	ell By:	
Date Drilled: 6/18/1999	Drilling M	lethod:	
Owner: MCCLAIN			
Address of Well: BOX 99M, COL	UMBUS	Zipcode:	
County: WARREN			
Municipality: COLUMBUS TV	WP.		
Quadrangle:	Latitude:	Longitude:	
Well Depth (ft):	Wel	l Finish:	
Depth to Bedrock(ft):	Did Not Encounter I	Bedrock:	
Well Yield (gpm):	Yield Measure	Method:	
Static Water Level: (ft below land surface)	Water level after y (ft below land		
Length of Yield Test: (minutes)	Saltwater 2	Zone(ft):	
Use of Well:	Use o	f Water:	
Record: 17 of 35	(Ther	re is a total of 35 Well	ls in the list.)

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 405212** Email comments to Topo Geo. Record: 18 of 35 (There is a total of 35 Wells in the list.) Pev Veli Next Well Last Well Return to Stummary East Well Driller: JENNINGS & SON DRILLING PA Well ID: 405212 License: 0067 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 5/1/1991 **Drilling Method:** Owner: MCGURK Address of Well: RD 2 BOX 249, CORRY Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 18 of 35 (There is a total of 35 Wells in the list.) े एक एवं। Ng i-Vell Yash Well

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 405196 Email comments to Topo Geo. Record: 19 of 35 (There is a total of 35 Wells in the list.) allow Will Return to Summary List Well Driller: MCCRAY WELL DRILLING PA Well ID: 405196 License: 1664 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 10/1/2001 Drilling Method: Owner: MICK Address of Well: HERDFORD RD Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 19 of 35 (There is a total of 35 Wells in the list.) Per Will-Mar Well Return to Summary List

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 405214 New Selection Email comments to Topo Geo. Record: 20 of 35 (There is a total of 35 Wells in the list.) Per Wells Yes WcL Return to Summary List Well Driller: MCCRAY WELL DRILLING PA Well ID: 405214 License: 1664 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 9/1/1993 Drilling Method: Owner: MIKE Address of Well: 9696 BAKER HILL RD Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 20 of 35 (There is a total of 35 Wells in the list.) May Wale (J-579) Ept Well Return to Summary List

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 146668 NewNelection Email comments to Topo Geo. Record: 21 of 35 (There is a total of 35 Wells in the list.) Fire Volt PastaWell Return to Summary List Well Driller: JOHNSON DRILLING PA Well ID: 146668 License: 0761 Driller Well ID: Type of Activity: New Well Original Well By: Date Drilled: 8/1/1988 **Drilling Method:** Owner: MILLER LAWRENCE Address of Well: Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: COLUMBUS Latitude: 41.9725 Longitude: -79.60667 Well Depth (ft): 62 Well Finish: OPEN HOLE Depth to Bedrock(ft): 6 Did Not Encounter Bedrock: Well Yield (gpm): 20 Yield Measure Method: BAILER Static Water Level: 12 Water level after yield test: 40 (ft below land surface) (ft below land surface) Length of Yield Test: 1.42 Saltwater Zone(ft): (minutes) Use of Well: WITHDRAWAL Use of Water: STOCK CASING CASING 1: Top: 0 Bottom: 23 Diameter: 8 Material: SEAL 1 Top: Bottom: Type: UNKNOWN WATER BEARING ZONE WATER BEARING ZONE 1: Top: 32 Bottom: Yield: WATER BEARING ZONE 2: Top: 46 Bottom: Yield:

Last Well

(There is a total of 35 Wells in the list.)

Return to Summary List

Record: 21 of 35

Prev Well

Next Wall

First Well

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 405197** New Selections Email comments to Topo Geo. Record: 22 of 35 (There is a total of 35 Wells in the list.) U.S. Vell Tracellable West-West Los Water Return to Stimmary List Well Driller: CLEARWATER DRILLING COMPANY PA Well ID: 405197 License: 2073 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 9/21/2001 Drilling Method: Owner: MOWAR Address of Well: RT 417 W PO BOX 189 County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 22 of 35 (There is a total of 35 Wells in the list.) s selection : Near Well

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 405211** Email comments to Topo Geo. Record: 23 of 35 (There is a total of 35 Wells in the list.) Birth Weil Her volu regwet. Return to Stimmary Last Well Driller: MCCRAY WELL DRILLING PA Well ID: 405211 License: 1664 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 7/1/1992 **Drilling Method:** Owner: NAGEL Address of Well: COTTAGE PARK, COLUMBUS Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Longitude: Latitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 23 of 35 (There is a total of 35 Wells in the list.) Prev.Well Next Mala Return to Summary List

PA Topographic & Geologic Survey

PaGWIS

DETAILS FOR WELL 146665

New Well

Email comments to Topo Geo.

Record: 24 of 35

(There is a total of 35 Wells in the list.)

Well Driller: YORK WATER WELL DRILLING CO INC

Fre MgL

PA Well ID: 146665

License: 1378

Driller Well ID:

Type of Activity: New Well

Original Well By:

Date Drilled: 5/1/1979

Drilling Method:

Owner: PEHY D

Address of Well:

Zipcode:

County: WARREN

Municipality: COLUMBUS TWP.

Quadrangle: COLUMBUS

Latitude: 41.91778

Longitude: -79.50445

Well Depth (ft): 100

Well Finish: **OPEN HOLE**

Depth to Bedrock(ft): 77

Did Not Encounter Bedrock:

Well Yield (gpm): 7

Yield Measure Method: WATCH &

VOLUMETRIC,

BUCKET

Static Water Level: 60

Water level after yield test: 60

(ft below land surface)

(ft below land surface)

Length of Yield Test: 0.25

Saltwater Zone(ft):

(minutes)

Use of Well: WITHDRAWAL

Use of Water: DOMESTIC

(There is a total of 35 Wells in the list.)

Description of Well Location and Other Notes: 3/4 WAY UP HILL SIDE LOT 3322

CASING

Record: 24 of 35

CASING 1: Top: 0 Bottom: 78.7 Diameter: 6 Material:

WATER BEARING ZONE

WATER BEARING ZONE 1: Top: 77 Bottom: Yield:

WATER BEARING ZONE 2: Top: 90 Bottom: Yield:

http://www.dcnr.state.pa.us/topogeo/groundwater/PaGWIS/DisplayListOfWells.asp?PageType=pagwis&ListType=Detail[9/29/2010 4:19:03 PM]



PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 405199 New Selection Email comments to Topo Geo. Record: 25 of 35 (There is a total of 35 Wells in the list.) Prist Well ayan yale heterret 1 Refurn to Summary List Well Driller: GILLIS BROTHERS INC PA Well ID: 405199 License: 0649 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 9/1/1986 Drilling Method: Owner: RAYMOND Address of Well: COLUMBUS RD, COLUMBUS Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 25 of 35 (There is a total of 35 Wells in the list.) smueWell: Now Wille Return to Summary List

PaGWIS PA Topographic & Geologic Survey **DETAILS FOR WELL 405217** M(-iii) New Selection Email comments to Topo Geo. Record: 26 of 35 (There is a total of 35 Wells in the list.) Prot. Viell प्रदर प्रश् not well Return to Summary Dast Well Driller: MCCANDLESS WELL DRILLING INC PA Well ID: 405217 License: 1393 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 7/30/1996 **Drilling Method:** Owner: RAYMOND Address of Well: COLUMBUS Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 26 of 35 (There is a total of 35 Wells in the list.) Return to Summary List

Record: 27 of 35

PERMITTE

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 33599 New Selections Email comments to Topo Geo. (There is a total of 35 Wells in the list.) Record: 27 of 35 (masket) Prov.WeB Trafe Wells Return to Summary List Well Driller: YORK WATER WELL DRILLING CO INC PA Well ID: 33599 Driller Well ID: License: 1378 Original Well By: Type of Activity: Drilling Method: OTHER/UNKNOWN Date Drilled: 5/1/1985 Owner: REIFF, WILLIAM Address of Well: Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: COLUMBUS Latitude: 41.94361 Longitude: -79.56973 Well Finish: OPEN HOLE Well Depth (ft): 60 Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Water level after yield test: Static Water Level: 9.7 ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: WITHDRAWAL Use of Water: DOMESTIC **BOREHOLE** Top Bottom Diameter **SECTION 1:** 60 **CASING** CASING 1: Top: 0 Bottom: 37 Diameter: 6 Material: STEEL

(There is a total of 35 Wells in the list.)

Return to Summary List

Next Well

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 405206 Email comments to Topo Geo. Record: 28 of 35 (There is a total of 35 Wells in the list.) Linst Well 8(E3864) Return to Summary List Well Driller: JOHNSON DRILLING PA Well ID: 405206 License: 0761 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 4/1/1999 Drilling Method: Owner: SCAMENS Address of Well: RD 1 BLUE EYE RD, COLUMBUS Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 28 of 35 (There is a total of 35 Wells in the list.) tria Waij za i sitwei - Net-Walle-Renim to Summary List

PaGWIS PA Topographic & Geologic Survey **DETAILS FOR WELL 405207** Email comments to Topo Geo. (There is a total of 35 Wells in the list.) Record: 29 of 35 ligge well Prev Welt Next Well Last Well Remin to Summary Last Well Driller: JOHNSON DRILLING PA Well ID: 405207 License: 0761 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 8/1/1998 **Drilling Method:** Owner: SEYMOUR Address of Well: RR 1 BOX 30A PINE VALLEY RD, Zipcode: **COLUMBUS** County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 29 of 35 (There is a total of 35 Wells in the list.) Return to Summary List) http://www.c 1 00 U

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 405218** Email comments to Topo Geo. Record: 30 of 35 (There is a total of 35 Wells in the list.) s may well Deprive ikisi Wali Return to Summary List Well Driller: JOHNSON DRILLING PA Well ID: 405218 License: 0761 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 12/1/1993 Drilling Method: Owner: SINGH Address of Well: BESE LAKE Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 30 of 35 (There is a total of 35 Wells in the list.) 469,860 "Nicki Weli Trust Wall Return to Summary List

PaGWIS PA Topographic & Geologic Survey **DETAILS FOR WELL 405209** New Selection Menif Email comments to Topo Geo. Record: 31 of 35 (There is a total of 35 Wells in the list.) New Wall Bijer.WAII Well Driller: MCCRAY WELL DRILLING PA Well ID: 405209 Driller Well ID: License: 1664 Type of Activity: Original Well By: Date Drilled: Drilling Method: Owner: SONDSTROM Address of Well: SPENCER RD Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Longitude: Latitude: Well Finish: Well Depth (ft): Depth to Bedrock(ft): Did Not Encounter Bedrock: Yield Measure Method: Well Yield (gpm): Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 31 of 35 (There is a total of 35 Wells in the list.) tick, Wells Tana Width Return to Summary List

PaGWIS PA Topographic & Geologic Survey DETAILS FOR WELL 33584 Email comments to Topo Geo. Record: 32 of 35 (There is a total of 35 Wells in the list.) i Diet Weit ima: Well No week the Well Driller: MCCRAY BROS PA Well ID: 33584 License: 0224 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 12/1/1979 Drilling Method: CABLE TOOL Owner: STOCTON, CHARLES Address of Well: Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: COLUMBUS Latitude: 41.93444 Longitude: -79.58167 Well Depth (ft): 42 Well Finish: UNKNOWN Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): 2 Yield Measure Method: WATCH & BUCKET Static Water Level: 20 Water level after yield test: 40 (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: WITHDRAWAL Use of Water: DOMESTIC **BOREHOLE**

Top Bottom Diameter

SECTION 1: 0 42 0

CASING

CASING 1: Top: 0 Bottom: 42 Diameter: 8 Material: UNKNOWN

Record: 32 of 35 (There is a total of 35 Wells in the list.)

Record: 32 of 35 (There is a total of 35 Wells in the list.)

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 405204** Email comments to Topo Geo. Record: 33 of 35 (There is a total of 35 Wells in the list.) Bigg Roll Return to Summary Just Well Driller: DANIEL P HORNBURG PA Well ID: 405204 License: 2043 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 9/1/1998 Drilling Method: Owner: TAYDUS Address of Well: RD 1, COLUMBUS Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 33 of 35 (There is a total of 35 Wells in the list.) Return to Stimmary List

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MacWell

PA Topographic & Geologic Survey **PaGWIS** DETAILS FOR WELL 405215 New Selection Email comments to Topo Geo. Record: 34 of 35 (There is a total of 35 Wells in the list.) tion will Return to Stratumy Live Well Driller: MCCRAY WELL DRILLING PA Well ID: 405215 License: 1664 Driller Well ID: Type of Activity: Original Well By: Date Drilled: 6/1/1993 Drilling Method: Owner: TRESSLEY Address of Well: RD 1, COLUMBUS Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: Latitude: Longitude: Well Depth (ft): Well Finish: Depth to Bedrock(ft): Did Not Encounter Bedrock: Well Yield (gpm): Yield Measure Method: Static Water Level: Water level after yield test: (ft below land surface) (ft below land surface) Length of Yield Test: Saltwater Zone(ft): (minutes) Use of Well: Use of Water: Record: 34 of 35 (There is a total of 35 Wells in the list.)

First Well

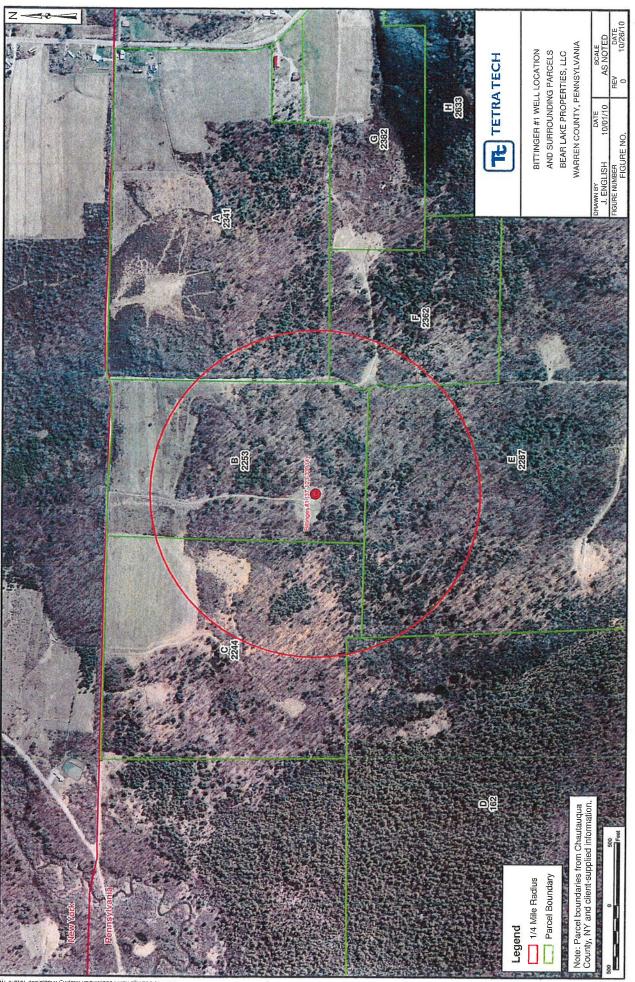
Prev Well 2

PA Topographic & Geologic Survey **PaGWIS DETAILS FOR WELL 146666** Email comments to Topo Geo. Record: 35 of 35 (There is a total of 35 Wells in the list.) Free Well tor s Walt Return to Summary List Well Driller: YORK WATER WELL DRILLING CO INC PA Well ID: 146666 License: 1378 Driller Well ID: Type of Activity: New Well Original Well By: Date Drilled: 5/1/1985 Drilling Method: Owner: ZEIH C Address of Well: Zipcode: County: WARREN Municipality: COLUMBUS TWP. Quadrangle: COLUMBUS Latitude: 41.94361 Longitude: -79.57 Well Depth (ft): 60 Well Finish: OPEN HOLE Depth to Bedrock(ft): 35 Did Not Encounter Bedrock: VOLUMETRIC Yield Measure Method: WATCH & Well Yield (gpm): 9 Static Water Level: 48 Water level after yield test: 48 (ft below land surface) (ft below land surface) Length of Yield Test: 0.33 Saltwater Zone(ft): (minutes) Use of Well: WITHDRAWAL Use of Water: DOMESTIC CASING CASING 1: Top: 0 Bottom: 37 Diameter: 6 Material: WATER BEARING ZONE WATER BEARING ZONE 1: Top: 45 Bottom: Yield: WATER BEARING ZONE 2: Top: 51 Bottom: Yield: Record: 35 of 35 (There is a total of 35 Wells in the list.)

Return to Summary List

Appendix B

Appendix B contains the names and address of residents located within ¼ mile of the proposed injection well.



ADDRESS	3010 Village Run, Suite 103, Wexford, PA 15090	8353 Pagan Road, Erie, PA 16509	P.O. Box 88, Ashville, NY 14710	2001 Elmerton Ave., Harrisburg, PA 17110	P.O. Box 140, Bear Lake, PA 16402	P.O. Box 112, Columbus, PA 16405	
OWNER	Bear Lake Properties, LLC	Miles and Joyce Sampsel	John R. and Kathryn Triskett	Commonwealth of Pennsylvania	Cornish Lumber Company, Inc.	Jack and Marilyn McCoy	
PARCEL #	2341	2253	2244	162	2287	2362	
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