										Observation	Pumpin	,	Te Di	st	Aquifer thickness		Kh			Specific Capacity			
WGNHS_Well_ID	Well ID	TWN	RNG S	EC Quarter	Combined Location	Lat	Long	x_wtm	Y_WTM			M) Test Da		ours) Aquifer Name	(ft)		(ft/d)	Kv (ft/d) St	torageProps		Log K comments	Reference	page
																						Hart, D., Streiff, C., Stewart, E., 2014,	
																						Hydrogeologic characterization of an aquitard	
																						using poroelastic responses and near surface	
	G2	17	6	16 NE SE	NE SE S16 T17N R6E	-89.777947	43.943837	7 537819.	67 385658.	.9	3	05/19	9/2014	3 Outwash (upper)			302	S۱	y = 0.14		2.48 Pumping Test, Neuman Analysis, Shallow G2	geophyisics, AGU poster	
	G3	17	6	16 NE SE	NE SE S16 T17N R6E	-89.777973	43.943853	3 537817.	62 385660.	.7				New Rome (transition				0.56			Loading, Terzaghi Analysis	Hart et al. (2014)	
	G3	17	6	16 NE SE	NE SE S16 T17N R6E	-89.777973	43.943853	3 537817.	62 385660.	.7				New Rome				2.6E-05			Laboratory Core, Falling Head	Hart et al. (2014)	
	G1	17	6	16 NE SE	NE SE S16 T17N R6E	-89.777928	43.943817	7 537821.	16 385660.	.7	3	05/08	8/2014	3 Outwash (lower)			66	S	s = 9.1E-5 ft <sup>-1</sup>		1.82 Pumping Test, Theis Analysis	Hart et al. (2014)	
																					Pumping Test, well drilled to full aquifer thickness, location est. from paper map -	late	
PT-279	PT-23/9/18-279	23	9	18 SW NW	SW NW S18 T23N R9E	-89.484	44.478	5610	34 44507	78	1			Outwash	8	0 18700	234	S	y = 0.15	53	2.37 1	Holt (1965)	36
WP-38	WP-21/11/9-38	21	11	9 SW SE	SW SE S09 T21NR11E	-89.171	44.301	1 5861	27 42563	39	4	640 05/01	1/1959	93.5 Outwash	14	0 13370	95.5	S	y = 0.2	41	1.98 Pumping Test, b from CSLS BR depth, location est from Plate 1	Berkstresser (1964)	30-31
		21	5	g SW SW	SW SW S09 T21N R5E	-89.923	44.309	5261	40 42619	96	5	160 P	Mar-73	24 Outwash	2	5 8700	348	S	y = 0.14		2.54 Pumping Test, Nekoosa City Test Hole #2 (hand-written notes)	Layne-Northwest (1973)	
		21	5	g SWSW	SW SW S09 T21N R5E	-89.923	44.311	1 5261	41 42641	19	5	194 M	Mar-73	48 Outwash	2	5 13700	450	S	y = 0.026		2.65 Pumping Test, Nekoosa City Test Hole #1 (hand-written notes)	Layne-Northwest (1973)	
WS-642		19	8	24 NE SE	NE SE S24 T19N R8E	-89.485	44.103	3 5612	19 40344	10	4			72 Outwash	8	4 13800	164	S	y = 0.12		2.21 Pumping Test, Greenwood Wildlife Refuge	Novitski (1976)	11-15
WS-639		19	8	24 SE NE	SE NE S24 T19N R8E	-89.485	44.108	5612	19 40400	00	3			288 Outwash	6	4 10300	160	S	y = 0.1		2.20 Pumping Test, Greenwood Wildlife Refuge	Novitski (1976)	11-15
																		Sı	y = 0.15		Aguifer Test, Thesis/dissertation	Faustini (1985)	
																	140				2.15 Slug Test, Thesis/dissertation (location?)	Bohling (1988)	
																		S	y = 0.27		Lab Test, Thesis/dissertation (sample location?)	Bohling (1988)	
														24 Outwash	6	6 12000	180	S	y = 0.1-0.15		2.26 Aquifer Test, "north of Fish Lake" (no specific location or well # given)	Novitski (1976)	14
																					Slug Tests, Wells 994 and 996 (flowing) - location est from report (p. 2), aquifer		
WS-994, WS-996	WS-20/10E/24-09	994, WS-	20/10E/2	4-09! SE NE	SE NE S24 T20N R10E	-89.252	44.192	2 5797	75 41347	72				Outwash/Sandy Till	19	0	18				1.26 thickness est.	Conlon (1996)	6

Depth to Screen

						Depth to Screen								
Piezometer	TWN	RNG	SEC 1/4 SEC	X_WTM	Y_WTM	(ft)	K (ft/day)	log K	Reference	Page	comments			
ALBT1	22N	9E	17 NW NE SW	565348.4124	434767.2553	34.78	22.39	1.3	35 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
ALBT2	22N	9E	17 NW NE SW	565348.4124	434767.2553	54.79	68.03	3 1.8	33 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
ALBT3	22N	9E	17 NW NE SW	565348.4124	434767.2553	84.65	36.85	5 1.5	7 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
ALBT4	22N	9E	17 NW NE SW	565348.4124	434767.2553	132.22	28.35	5 1.4	15 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
CHIC1	22N	8E	21 SW NW SW	554356.3663	432995.8891	8.86	16.44	1 1.2	22 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
CHIC2	22N	8E	21 SW NW SW	554356.3663	432995.8891	30.84	56.69	1.7	'5 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
CHIC3	22N	8E	21 SW NW SW	554356.3663	432995.8891	114.50	18.14	1.2	26 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
K86	22N	6E	21 SE SE NE	536940.4653	433361.3953	14.76	59.53	3 1.7	77 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
K87	22N	6E	21 SE SE NE	536940.4653	433361.3953	28.54	2.78	3 0.4	14 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
K88	22N	6E	22 NW NW SW	537040.6791	433054.9951	22.64	53.86	5 1.7	'3 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
K89	22N	6E	22 NW NW SW	537040.6791	433054.9951	44.62	24.94	1.4	O Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
K103	22N	6E	27 NW NW NE	537875.4722	432481.6093	44.29	1.56	5 0.1	.9 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
K104	22N	6E	27 NW NW NE	537875.4722	432481.6093	28.54	34.02	2 1.5	3 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NURS1	22N	6E	32 NE SE NW	533828.2893	430702.0386	33.46	8.50	0.9	3 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NURS2	22N	6E	32 NE SE NW	533828.2893	430702.0386	46.26	215.43	3 2.3	3 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NURS3	22N	6E	32 NE SE NW	533828.2893	430702.0386	55.12	113.39	9 2.0	5 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NURS4	22N	6E	32 NE SE NW	533828.2893	430702.0386	63.98	0.74	4 -0.1	3 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW1A	22N	9E	17 NW NE SW	564653.8153	435007.7457	32.15	59.53	3 1.7	77 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW1B	22N	9E	17 NW NE SW	564653.8153	435007.7457	48.56	232.44	1 2.3	37 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW4B	22N	7E	25 NE NE SE	551265.1565	431815.0569	14.11	76.54	1.8	88 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW4D	22N	7E	25 NE NE SE	551265.1565	431815.0569	53.81	232.44	1 2.3	37 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW8A	22N	9E	15 NE NW SW	567658.3059	434761.077	49.21	138.90	2.1	4 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW8B	22N	9E	15 NE NW SW	567658.3059	434761.077	113.85	113.39	9 2.0	5 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW14	23N	9E	18 NE NE NE	563945.6806	445410.1491	43.64	4.82	2 0.6	88 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW19B	21N	8E	15 NW NW NW	555968.6245	425576.6707	25.92	147.40	2.1	7 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW24	23N	9E	17 NE NE NE	565571.981	445308.3166	67.26	31.18	3 1.4	19 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW26A	21N	7E	1 SE SE SE	551280.9682	427323.0194	6.23	65.20	1.8	31 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW26C	21N	7E	1 SE SE SE	551280.9682	427323.0194	33.46	59.53	3 1.7	77 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW27B	21N	9E	8 SE SW SE	565274.4413	425579.7579	71.19	62.36	5 1.7	'9 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW29B	22N	7E	26 SE SE NE	549679.6281	431790.8591	21.65	223.94	1 2.3	5 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW29C	22N	7E	26 SE SE NE	549679.6281	431790.8591	35.76	269.29	2.4	13 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW32B	22N	7E	36 SW SW SW	549749.5293	429438.3449	20.34	121.89	2.0	9 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW32C	22N	7E	36 SW SW SW	549749.5293	429438.3449	35.10	223.94	1 2.3	5 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW33B	22N	7E	35 SW SW NW	548140.1601	430416.1558	13.45	121.89	2.0	9 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW33C	22N	7E	35 SW SW NW	548140.1601	430416.1558	25.59	215.43	3 2.3	3 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW33D	22N	7E	35 SW SW NW	548140.1601	430416.1558	37.73	257.95	5 2.4	11 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW33E	22N	7E	35 SW SW NW	548140.1601	430416.1558	46.59	121.89	2.0	9 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW33F	22N	7E	35 SW SW NW	548140.1601	430416.1558	72.18	130.39	2.1	2 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW38B	22N	7E	24 NE SE NE	548058.5852	430442.2367	16.73	189.92	2 2.2	8 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW38C	22N	7E	24 NE SE NE	548058.5852	430442.2367	28.54	215.43	3 2.3	33 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW38D	22N	7E	24 NE SE NE	548058.5852	430442.2367	40.03	155.93	1 2.1	9 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW48C	22N	7E	27 SE SW NW	546862.93	431800.85	28.87	181.42	2 2.2	6 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW48D	22N	7E	27 SE SW NW	546862.93	431800.85	41.34	181.42	2 2.2	6 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
NW48E	22N	7E	27 SE SW NW	546862.93	431800.85	49.21	113.39	9 2.0	5 Bradbury et al 1992	pg 31	locations were approximated based on a paper map appendix (Plate 2) in John Faustini's MS Thesis			
WS-994, WS	S-5 20N	10E	24 SE NE	579775	413472		18.00	1.2	6 Conlon 1996	pg 6	Slug Tests, Wells 994 and 996 (flowing) - location est from report (p. 2), aquifer thickness est.			
							140.00	2.1	15 Bohling (1988)		Slug Test, Thesis/dissertation (location unknown)			

WGNHS_Well	ID Well_ID	TWN R	IG SEC Quarter	Combined Location	x y	Observation We	Pumpin ells Rate (G		Test Durat (hours)	tion Aquifer Name	Aquifer thickness (ft)	T (ft2/d)	K (ft/d)	S Anisotropy	Specific Capacity (gpm/ft)	Log K		Reference	page	
																	this appears to be PT362 according to the			
PT-410	PT-23/9/18-410	23N 9E	18 NW of W1		559238.281			1120 Fall 196	1	74 Outwash Aquifer	80			0.15 20:1	53	2.36	geodatabase - MK	Weeks 1964, Weeks & Stangland 1971	44 (1964), 24(1971)	
PT-028	PT-21/9/15-28	21N 9E	15 SW	SW of S15 T21N R9E		424578.31 PT-209				12 Outwash Aquifer	140			0.15	21	2.41		Holt 1965, Weeks and Stangland (1971)	36 (Holt), 24 (W&S)	
PT-60	PT-21/9/9-60	21N 9E	9 NE	NE of S9 T21N R9E		426654.6848 PT-89				12 Outwash Aquifer	150			0.14	30	2.46		Holt 1965, Weeks and Stangland (1971)	36 (Holt), 24 (W&S)	
PT-57, PT-111	PT-24/8/34-57, PT-24/8/34-11	.1 24N 8E	34	S34 T24N R8E	556753.442	450074.284 Array of 26 wells	5			24 Outwash Aquifer	60	13450	225	0.2		2.35		Holt 1965		36
																	known to be a silty area of the outwash			
PT-513	PT-21/8/22-513	21N 8E		SW of S22 T21N R8E		422720.0103 6 wells				48 Outwash Aquifer	80			0.16 2:1		2.11	aquifer	Weeks (1969), Weeks and Stangland (1971)	211 (Weeks), 24 (W&S	
PT-550,551	PT-23/7/36-544	23N 7E	36 SE	SE of \$36 T23N R7E	550884.191	440231.5996 6 wells				48 Outwash Aquifer	70	2300	320	7:1		2.51		Weeks (1969), Weeks and Stangland (1971)	212 (Weeks), 24 (W&S	(د
																	Irrigation well near Hancock, no Well ID			
WS-479		19N 8E	5 NE	NE of S5 T19N R8E	554875.341	408903.4439 6 Wells		820		80 Outwash Aquifer	120	22001	180	0.18 4:1		2.26	listed	Weeks (1969), Weeks and Stangland (1971)	212 (Weeks), 24 (W&S	(د
																	Reference listed as 'none' in Weeks &			
PT-571		22N 8E	2 NE	NE of S2 T22N R8E	558718.989	438792.4345 5 wells				37 Outwash Aquifer	120	60001	500	0.2 1:1		2.70	Stangland	Weeks & Stangland (1971)		24
																	Reference listed as 'none' in Weeks &			
WS-559		20N 8E	14 SW	SW S14 T20N R8E	558863.521	414417.7958 5 wells				48 Outwash Aquifer	140	24001	170			2.23	Stangland	Weeks & Stangland (1971)		24
																	Referenced in Karnauskas (1977) from			
																	'Consultant reports to City of Wis. Rapids'.			
		22N 6E	35	S35 T22N R6E	539454	430169				Outwash Aquifer	49	9090.30	185.5	0.25	41	2.27	Location uncertain	Karnauskas (1977)		40
																	Referenced in Karnauskas (1977) from			
																	'Consultant reports to City of Wis. Rapids'.			
		22N 6E	26	S26 T22N R6E	539493	431816				Outwash Aquifer	36	8756.099	243.2	0.33	43	2.39	Location uncertain	Karnauskas (1977)		40
																	Referenced in Karnauskas (1977) from			
																	'Consultant reports to City of Wis. Rapids'.			
		22N 6E	34	S34 T22N R6E	537906	430122				Outwash Aquifer	47	9758.70	207.6	0.52	43	2.32	Location uncertain	Karnauskas (1977)		40
																	Referenced in Karnauskas (1977) from			
																	'Consultant reports to City of Wis. Rapids'.			
		22N 6E	36	S36 T22N R6E	541142	430135				Outwash Aquifer	61	11229.	184.1	0.11	44	2.27	Location uncertain	Karnauskas (1977)		40
		22N 6E	22 N 1/2	N 1/2 S22 T21 R8E	556786	423615		800 June 3-4	1.1	24 Outwash Aguifer	75	2137	285	0.3 5:1		2.45	Location approximated	Rothschild et al. (1982), Manser (1983)	27 (Manser)	
																	K is an estimate based on pumping test data	1,		
																	no reliable location info. location			
		19N 8E	15 SE of NW	SE of NW S15 T19N R8E	557191	406219		10.5		4.6 Outwash Aguifer			200			2.30		Kimball (1982)		110
												22332 8	240.69	0.22 6.5:1	30.70	2 36				

Statistics:

T (ft2/d)		K (ft/d)	
Mean	22332.81	Mean	240.69
Standard Error	4018.408	Standard	22.74
Median	20187.5	Median	22
Mode	#N/A	Mode	#N/A
Standard Deviati	15035.5	Standard	88.074
Sample Variance	2.26E+08	Sample V	775
Kurtosis	1.896786	Kurtosis	4.965
Skewness	1.473184	Skewness	1.9009
Range	51243.9	Range	370
Minimum	8756.099	Minimum	130
Maximum	60000	Maximun	500
Sum	312659.3	Sum	3610.4
Count	14	Count	15
Geomean=	18625.99		228.65