STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY

DIVISION OF LAND/NOISE POLLUTION CONTROL

GROUNDWATER WITHDRAWALS FROM AQUIFERS IN ILLINOIS WITH EMPHASIS ON PWS WELLS

by
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Table 1. Quaternary aquifer, public water supply wells (con't)

County	Pumping facility	Population (pop./yr)	Average daily pumpage of facility (gpd/yr)	No. of wells	Well location (sec.,T/R)	Well depth (feet)	Well yield (gpm)	Remarks
Macon	Oreana	1,092	62,000/77	2	9,17N-3E	132	60-110	
	Warrensburg	1,165/74	85,000/74	2	10,14,17N-1E	118-132	125-152	
Macoupin	Chesterfield	262	15,000/76	1	8,9N-9W	50	35	
Madison	Alhambra	594	40,000/75	3	4,5N-6W	80-82	100-133	Wells alternate
	Bethalto	° 10,031	1,248,500/76	9	22,5N-9W	90-98	190-700	Also supplies Meadowbrook P.W.D. and Moro P.W.D.
~6.5m.	Collinsville	19,567	2,070,000/75	4	31,3N-8W	99-103	900-1050	
	East Alton	7,669/72	568,600/75	3	17,5N-9W	90-103	400	Cross-connected with Wood River
	Edwardsville	11,070	1,334,600/75	4	13,4N-9W	114-117	650-1500	
	Forrest Homes-Maple Park P.W.D.	1,855/75	75,000/75	2	2,5N-9W	66-67	80	
	Glen Carbon	3,082/75	304,700/75	3	5,3N-8W	99-106	500	
	Hamel	454	75,000/77	3	7,18,5N-6W	110-113	40-45	
	Hartford	2,243	393,800/74	4	4,4N-9W	106-115	276-600	
	Livingston	916	61,200/75	1	Unknown	140	80	
	Marine	882	58,700/75	2	20,4N-6W	86-90	43-80	
	Maryville	1,290	200,000/75	2	5,3N-8W	100-102	150	Cross-connected with Troy

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Madison	Roxanna	° 4,123	624,100/75	4 (2)	27,5N-9W	120-126	500-Un	Also supplies S. Roxanna
	Troy	2,144	623,200/74	2	20,3N-8W	115	300-410	Cross-connected with Maryville
	~7m. Wood River	13,186	1,283,600/75	5 (1)	28,5N-9W	76-95	850-1000	Cross-connected with East Alton, wells alternate
	Worden	1,091	75,000/78	3	28,6N-7W	43-46	20-35	
Marshall	Henry	2,610	384,000/76	2	16,13N-10E	62-75	500	
	Lacon	2,147	275,000/76	3	26,30N-3W	49-50	230-400	
	LaRose	165	10,000/76	2	16,29N-1W	47	50	
	Magnolia (Putnam Co.)	328	* 33,000/76	1	2,30N-1W	138	100	See tables 1 & 3 (Putnam Co.)
	Sparland	585	60,000/76	2	14,12N-9E	30-34	100	
	Wenona	1,080	* 85,000/76	1	24,30N-1E	62	60	See table 13
Mason	Easton	386	24,000/78	2	25,21N-7W	135-138	150	
	Havana	4,376	810,000/77	3	1,21N-9W 6,21N-8W	78-96	630-650	
	Manito	1,334	105,000/76	3	21,23N-6W	81-100	55-300	
	Mason City	2,611	380,000/78	3	8,20N-5W	198-222	140-500	

Table 3. Pennsylvanian aquifer, public water supply wells

County	Pumping facility	Population (pop./yr)	Average daily pumpage of facility (gpd/yr)	No. of wells	Well location (sec.,T/R)	Well depth (feet)	Well yield (gpm)	Remarks
Adams	Golden			(3)	31,2N-5W	75-83	6.5	See table 5
Bureau	Neponset			(2)	10,15N-6E	200-250	20	See table 13.
Clinton	Albers	656	* 23,400/75	1	12,1N-5W	184	27	See table 1.
Coles	Lerna	288	* 18,600/75	4	1,3,10,11N-8E	130-151	3-6.5	See table 1.
Douglas	Camargo	241	* 15,000/76	1	34,16N-9E	165	20	See table 1.
Effingham	Edgewood	495	* 57,500/76	1	32,6N-5E	160	25	See table 1.
Fayette	Farina	634	35,000/72	10	32,5N-4E	110-210	2.5-20	
Grundy	Gardner	1,212	* 93,700/77	2	4,31N-8E	161-173	50-112	See tables 8 & 13.
Hancock	Bowen	489	* 42,000/74	3	22,3N-6W	68-72	25	See table 5.
Jasper	Willow Hill	296	8,000/75	3	31,36,7N-11E	269-295	5-20	
Knox	St. Augustine	204	* 12,000/76	1	32,9N-1E	160	20	See table 13.
LaSalle	Ransom			(2)	16,31N-5E	280-325	Unknown	See table 13.
Lawrence	St. Francisville			(3)	20,2N-11W	134-160	50-Un	See table 1.
Livingston	Emmington	101	5,000/75	1	Unknown	550	50	
Madison	St. Jacob	659	37,000/77	2	9,3N-6W	182-188	13-25	
Marion	Iuka	343	15,500/73	3	18,2N-4E	78-79	15-34	

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County	Pumping facility	Population (pop./yr)	Average daily pumpage of facility (gpd/yr)	No. of wells	Well location (sec.,T/R)	Well depth (feet)	Well yield (gpm)	Remarks
Pulaski	Pulaski	471	17,000/74	1	16,15S-1W	88	55	Well should yield 100 gpm on long term basis
	Ullin	546	47,650/77	1	24,15S-1W	150	200	
Putnam	Hennepin P.W.D.	650/73	152,000/77	3	4,9,32N-2W	100-135	435-650	
	Magnolia	328	* 33,000/76	1	35,31N-1W	196	15	See tables 1 (Marshall Co.) & 3
	McNabb	246	23,700/76	1	3,31N-1W	250	100	
Randolph	Baldwin	467	68,500/75	2	16,4S-7W	60-65	40-75	
	Prairie du Rocher P.W.D.	700/74	45,800/74	2	21,5S-9W	73-86	100-105	
St. Clair	Fayetteville	469/80	22,760/80	1	8,2S-6W	90	50	
~6mi	Mound P.W.D.	1,950/75	92,000/75	2	1,2N-9W	90-92	100	
	St. Libory	448	35,000/75	1	21,2S-6W	65	80	
Sangamon	Curran-Gardner Twp. P.W.D.	4,900/80	375,000/80	3	12,16N-6W	50-55	250-300	
	Dawson	504/74	80,000/76	2	25,16N-4W	36-54	75	
	DeKalb Agricultural Research, Inc.	° 1,200/77	1,200,000/80	5	25,26,35, 16N-2W	56-60	154-300	Also supplies Illiopolis, Borden Chem.Co., and two other companies
				(1)	7,16N-4W	45	50	Water is obtained

Table 4. Mississippian, Chesterian aquifer, public water supply wells

County	Pumping facility	Population (pop./yr)	Average daily pumpage of facility (gpd/yr)	No. of wells	Well location (sec.,T/R)	Well depth (feet)	Well yield (gpm)	Remarks
Monroe	Hecker	480/74	24,000/75	5	4,3S-8W	300-314	4-19	
Randolph	Ruma	196/75	12,000/73	2	4,5S-6W 33,4S-8W	314-315	30-65	
St. Clair	Smithton	1,147/75	58,100/75	3	33,1S-8W	200-202	21-35	
Union	Cobden	1,114	46,400/64	2	30,11S-1W	227-253	160	

Table 5. Mississippian, Valmeyeran aquifer, public water supply wells (con't)

County	Pumping facility	Population (pop./yr)	Average daily pumpage of facility (gpd/yr)	No. of wells	Well location (sec.,T/R)	Well depth (feet)	Well yield (gpm)	Remarks
Hardin	Elizabethtown	707	50,000/80	1	27,12S-8E	396	12	
Henderson	Media	180	12,000/76	1	15,9N-4W	70	80	
	Stronghurst	836	* 73,000/76	2	25,9N-5W	69-70	90-120	See table 8
Johnson	Belknap	228	6,000/80	1	12,14S-2E	172	50	
Massac	Joppa	531	50,000/72	2	23,24,15S-3E	240-448	100-250	
	Metropolis	6,940	* 3,850,000/76	3 (1)	11,16S-4E 35,15S-4E	285-400	500-1800	See table 2. Also supplies Fort Massac. Large consumers are unidentified.
McDonough	Colchester	1,747	* 100,000/78	1	31,5N-3W	68	85	See table 1
	Industry	558	46,200/76	1	15,4N-2W	450	120	
Pike	Baylis	307	5,000/77	3	7,4S-4W	429-500	2.5-5	
	Milton	337	18,000/77	3 (2)	5,9,6S-2W	56-220	15-60	
	Pearl	323	50,000/77	1	15,7S-2W	Spring	50	
Randolph	Red Bud	2,559	310,000/78	9	4,5,4S-8W	230-306	30-95	Wells cannot be operated simultaneously
St. Clair	Millstadt	2,332	163,800/75	9	9,10,1S-9W	300-338	2-70	