

FCST TYPE LEGEND: B - Benchmark Tributary (Apr-Oct) H - Headwater/WFO Site Specific (FFH guidance)  
 D - Daily morning fcst during drought only I - Inflow fcst  
 E - Evening daily fcst M - Morning daily fcst  
 F - Flood event-only fcst W - Long Range Water Supply

FS - Flood Stage RFC FIS - Forecast Issuance Stage WFO Action - WFO Action Stage  
 MINOR - Minor flooding begins MOD - Moderate flooding begins MAJOR - Major Flooding Begins  
 # - Not currently an active realtime USGS Surface Water Station.

\*\*\* ABR - Aberdeen, SD

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
PVRS2	05290000	MIN	Peever 6NE	Little Minnesota River	17.0	16.0	16.0	17.0	22.0	24.0	45.6161	96.8753	FH
BSLM5		MIN	Ortonville - Big Stone Lk	Minnesota River	971.5	970.5	970.5	971.5	973.0	975.0	45.3092	96.4681	F

\*\*\* APX - N. Central Lower Michigan, MI

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
SHRM4	04124000	NLM	Sherman 1N	Manistee River	15.0	14.0	14.0	15.0	16.0	17.0	44.4364	85.6986	MF
MYFM4	04126970	NLM	Mayfield 5NE - Brown Brdg Rd	Boardman River	7.0	5.0	5.0	7.0	9.0	11.0	44.6567	85.4367	FH
RDOM4	04136000	NLM	Red Oak 3S	Au Sable River	7.0	6.0	6.0	7.0	8.0	9.0	44.6769	84.2925	MF
STRM4	04142000	NLM	Sterling 3N	Rifle River	6.0	5.0	5.0	6.0	11.0	13.0	44.0725	84.0200	F
BVTM4	04152500	SMW	Beaverton 1ESE	Tobacco River	12.0	10.0	10.0	12.0	14.0	17.0	43.8794	84.4739	FH
RUDM4	04127917	UPM	Rudyard 3S	Pine River	17.0	15.0	15.0	17.0	19.0	21.0	46.1906	84.6122	FH

\*\*\* ARX - La Crosse, WI

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
LANM5	05455940	#	CIW Lansing	Cedar River	18.0	14.0	14.0	18.0	20.0	22.0	43.7467	92.9586	FH
ASTM5			CIW Austin WWTP	Cedar River	15.0	12.0	12.0	15.0	18.0	20.0	43.6544	92.9708	FH
TRCM5	05456500	#	CIW Austin 3NW	Turtle Creek	10.5	7.0	7.0	10.5	12.0	14.0	43.6847	93.0394	FH
CCYI4	05457700		CIW Charles City	Cedar River	12.0	9.0	9.0	12.0	15.0	18.0	43.0625	92.6731	F
DOBMS	05455970	#	FFH Austin - 21st St NE	Dobbins Creek	11.5	N/A	9.0	11.5	14.0	18.0	43.6772	92.9397	H
RCHM5	05372995		M10 Rochester - 37th St	South Fork Zumbro River	14.0	11.0	11.0	14.0	18.0	20.0	44.0617	92.4664	FH
ZUMM5	05374000		M10 Zumbro Falls	Zumbro River	18.0	15.0	15.0	18.0	24.0	26.0	44.2856	92.4300	FH
LNSM5	05384120	#	M10 Lanesboro	South Branch Root River	12.0	10.0	10.0	12.0	16.0	18.0	43.7219	91.9789	FH
HOUM5	05385000		M10 Houston 1N	Root River	15.0	12.0	12.0	15.0	17.0	18.0	43.7686	91.5697	FH
BLFI4	05387440		M10 Bluffton	Upper Iowa River	14.0	11.0	11.0	14.0	16.0	18.0	43.4069	91.8983	F
DEHI4	05387500		M10 Decorah	Upper Iowa River	12.0	9.0	9.0	12.0	13.0	14.0	43.3050	91.7953	FH
DCHI4	05388250		M10 Dorchester Hwy 76	Upper Iowa River	14.0	11.0	11.0	14.0	17.0	19.0	43.4211	91.5086	FH
SPLI4	05411600		M10 Spillville	Turkey River	9.0	7.0	7.0	9.0	11.0	13.0	43.2072	91.9503	F
EKDI4	05412020		M10 Elkader 1SE	Turkey River	12.0	10.0	10.0	12.0	16.0	20.0	42.8433	91.4011	F
GRBI4	05412500		M10 Garber	Turkey River	17.0	14.0	14.0	17.0	20.0	23.0	42.7400	91.2617	FH
LKCM5			M10 Lake City -Lake Pepin	Mississippi River	16.0	13.0	13.0	16.0	18.0	20.0	44.4500	92.2633	MEF
WABM5	05371500	#	M10 Wabasha (Pool 4 CP)	Mississippi River	12.0	10.0	10.0	12.0	14.0	16.0	44.3867	92.0369	MEF
ALMW3			M10 Alma L&D 4	Mississippi River	16.0	10.0	10.0	16.0	17.0	18.0	44.3264	91.9192	MF
MSCM5			M10 Minnesota City L&D 5	Mississippi River	660.0	657.0	657.0	660.0	662.0	665.0	44.1600	91.8122	MF
WIDM5	05378490		M10 Winona L&D 5A	Mississippi River	655.0	650.0	650.0	655.0	659.0	661.0	44.0878	91.6706	MF
WNAM5	05378500		M10 Winona	Mississippi River	13.0	11.0	11.0	13.0	15.0	18.0	44.0558	91.6378	MEF
TREW3			M10 Trempealeau L&D 6	Mississippi River	647.0	644.0	644.0	647.0	649.0	651.0	43.9994	91.4383	MF
LCRM5	05380590	#	M10 La Crescent L&D 7	Mississippi River	641.0	638.0	638.0	641.0	643.0	645.0	43.8669	91.3114	MF
LACW3	05383500	#	M10 La Crosse (Pool 8 CP)	Mississippi River	12.0	10.0	10.0	12.0	13.0	15.5	43.8125	91.2569	MEF
GENW3			M10 Genoa L&D 8	Mississippi River	631.0	625.2	625.2	631.0	634.0	636.0	43.5708	91.2300	MF
LNSI4			M10 Lansing (Pool 9 CP)	Mississippi River	17.0	12.0	12.0	17.0	19.0	20.0	43.3603	91.2131	MEF
LYNW3	05388410	#	M10 Lynxville L&D 9	Mississippi River	625.0	619.0	619.0	625.0	628.0	631.0	43.2117	91.0986	MF
MCGI4	05389500		M10 McGregor	Mississippi River	16.0	13.0	13.0	16.0	19.0	22.0	43.0247	91.1725	MEF
GTTI4			M10 Guttenberg L&D 10	Mississippi River	15.0	12.0	12.0	15.0	18.0	21.0	42.7850	91.0950	MEF
PTNM5			FFH Preston WWTP	South Branch Root River	937.0	N/A	933.0	937.0	939.0	942.0	43.6672	92.0836	H
RBCM5	05372930	#	FFH Rochester - US Hwy 14	Bear Creek	14.0	N/A	10.0	14.0	17.0	20.0	44.0075	92.4458	H
RCCM5	05372990	#	FFH Rochester - 7th St NW	Cascade Creek	13.0	N/A	10.0	13.0	16.0	21.0	44.0308	92.4719	H
RCSM5	05372800	#	FFH Rochester - US Hwy 14	South Fork Zumbro River	24.0	N/A	18.0	24.0	26.0	29.0	44.0072	92.4719	H
ROCM5	05372950	#	FFH Rochester	Silver Creek	21.0	N/A	17.0	21.0	23.0	25.0	44.0289	92.4289	H
WSPM5	05376100	#	FFH Whitewater St Pk	Middle Fork Whitewater River	13.5	N/A	12.0	13.5	15.0	17.0	44.0372	92.1044	H
BTNW3	05413500		FFH Burton	Grant River	18.0	N/A	15.0	18.0	20.0	22.0	42.7203	90.8192	H
RVLW3	05414000		FFH Rockville 2ENE	Platte River	9.0	N/A	7.0	9.0	11.0	13.0	42.7311	90.6400	H
ARCW3	05379400	#	WIS Arcadia	Trempealeau River	8.0	6.0	6.0	8.0	9.0	10.0	44.2544	91.5053	F
DDGW3	05379500		WIS Dodge	Trempealeau River	10.5	9.0	9.0	10.5	11.0	12.0	44.1317	91.5531	FH
NEIW3	05381000		WIS Neillsville	Black River	18.0	16.0	16.0	18.0	20.0	22.0	44.5597	90.6150	FH
BRFW3	053813595		WIS Black River Falls - Hwy 54	Black River	47.0	43.0	43.0	47.0	51.0	55.0	44.2936	90.8464	F
GALW3	05382000		WIS Galesville 5SE	Black River	12.0	10.0	10.0	12.0	13.0	15.0	44.0603	91.2875	F
NCAW3	05403000		WIS Necedah	Yellow River	15.0	12.0	12.0	15.0	16.5	18.0	44.0261	90.0717	F
CROW3			WIS White Creek 2NW-Castle Rock Dam	Wisconsin River	894.0	882.0	882.0	894.0	N/A	N/A	43.8658	89.9547	F
MUSW3	05407000		WIS Muscoda 1NE - WWTP	Wisconsin River	9.0	7.0	7.0	9.0	10.0	11.0	43.1981	90.4433	F
LAFW3	05408000		WIS La Farge	Kickapoo River	12.0	9.0	9.0	12.0	13.0	14.0	43.5742	90.6436	FH
VIOW3			WIS Viola	Kickapoo River	14.0	12.0	12.0	14.0	16.0	18.0	43.5061	90.6739	FH
REAW3	05409200	#	WIS Readstown	Kickapoo River	11.0	8.0	8.0	11.0	14.0	16.0	43.4494	90.7650	FH
SOGW3	05409500	#	WIS Soldiers Grove	Kickapoo River	13.0	10.0	10.0	13.0	16.0	19.0	43.3953	90.7742	FH
GMIW3	05410000	#	WIS Gays Mills WWTP	Kickapoo River	13.0	11.0	11.0	13.0	15.0	17.0	43.3189	90.8511	FH
STEW3	05410490		WIS Steuben 3NE	Kickapoo River	12.0	10.0	10.0	12.0	13.0	15.0	43.1828	90.8583	FH
ONTW3	05407468	#	FFH Ontario	Kickapoo River	16.0	N/A	14.0	16.0	18.0	19.0	43.7300	90.5888	H
HILW3	05404116	#	FFH Hillsboro WWTP	West Branch Baraboo River	13.0	N/A	10.0	13.0	14.0	16.0	43.6528	90.3358	H

\*\*\* BIS - Bismark, ND

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
DESN8	05116500		SRS Foxholm	Des Lacs River	1651.0	1650.0	1650.0	1651.0	1653.0	1654.0	48.3708	101.5697	FH
SHWN8	05114000		SRS Sherwood 15W	Souris River	1623.0	1622.0	1622.0	1623.0	1625.0	1630.0	48.9900	101.9578	F
FOXN8	05116000		SRS Foxholm 3E	Souris River	1573.0	1572.0	1572.0	1573.0	1576.0	1578.0	48.3717	101.5056	F
MINN8	05117500		SRS Minot 4W	Souris River	1562.0	1561.0	1561.0	1562.0	1565.0	1570.0	48.2458	101.3708	FH
MION8	05117600	#	SRS Minot - Broadway Brdg	Souris River	1551.0	1550.0	1550.0	1551.0	1553.0	1557.0	48.2375	101.2942	F
LGNN8			SRS Logan	Souris River	1536.0	1535.0	1535.0	1536.0	1538.0	1540.0	48.1533	101.1511	F
SWRN8			SRS Sawyer	Souris River	1524.0	1523.0	1523.0	1524.0	1526.0	1528.0	48.0947	101.0494	F
VLVN8			SRS Velva	Souris River	1507.0	1506.0	1506.0	1507.0	1512.0	1517.0	48.0619	100.9311	F
KLSN8	05120500		SRS Karlsruhe 6N	Wintering River	1509.0	1508.0	1508.0	1509.0	1511.0	1512.0	48.1383	100.5950	F
TOWN8	05121500	#	SRS Towner 1NW	Souris River	1454.0	1453.0	1453.0	1454.0	1456.0	1458.0	48.3528	100.4189	F
BANN8	05122000		SRS Bantry 8E	Souris River	1440.0	1439.0	1439.0	1440.0	1441.0	1443.0	48.5056	100.4344	F
WLCN8	05123400		SRS Willow City 7W	Willow Creek	1442.0	1441.0	1441.0	1442.0	1446.0	1448.0	48.5889	100.4417	F
WSTN8	05124000		SRS Westhope 7NNE	Souris River	1414.0	1413.0	1413.0	1414.0	1418.0	1420.0	48.9964	100.9581	F

ODAW3	04027000	WLS	Odanah 8S	Bad River	16.0	11.5	11.5	16.0	18.0	20.0	46.4875	90.6958	F
BDOW3	04027595	WLS	Odanah	Bad River	8.5	7.5	7.5	8.5	9.5	10.5	46.6103	90.6869	F

\*\*\* DMX - Des Moines, IA

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
JANI4	05458500	CIW	Janesville	Cedar River	13.0	10.0	10.0	13.0	15.0	18.0	42.6483	92.4650	F
FNHI4	05458900	CIW	Finchford	West Fork Cedar River	17.0	12.0	12.0	17.0	18.0	20.0	42.6294	92.5433	F
MCWI4	05459500	CIW	Mason City	Winebag River	10.0	8.0	8.0	10.0	14.5	15.5	43.1650	93.1925	FH
SHRI4	05462000	CIW	Shell Rock	Shell Rock River	12.0	10.0	10.0	12.0	18.0	20.0	42.7119	92.5828	F
NHRI4	05463000	CIW	New Hartford	Beaver Creek	12.5	11.0	11.0	12.5	14.0	15.0	42.5728	92.6178	F
CEDI4	05463050	CIW	Cedar Falls	Cedar River	89.0	85.0	85.0	89.0	92.0	94.0	42.5376	92.4433	F
HUDI4	05463500	CIW	Hudson	Black Hawk Creek	14.0	13.0	13.0	14.0	15.0	19.0	42.4078	92.4631	F
ALOI4	05464000	CIW	Waterloo	Cedar River	13.0	8.5	8.5	13.0	19.0	21.0	42.4956	92.3342	F
ROWI4	05449500	CIW	Rowan 4NW	Iowa River	12.5	9.0	9.0	12.5	15.0	17.0	42.7600	93.6217	F
MIWI4	05451500	CIW	Marshalltown WWTP	Iowa River	19.0	14.0	14.0	19.0	23.0	26.0	42.0658	92.9075	FMBH
TMAI4	05451770	CIW	Tama 3W - Hwy E49	Iowa River	12.5	11.0	11.0	12.5	13.0	14.0	41.9642	92.6367	F
WAEI4		FFH	Waterloo 4E	Elk Run Creek	854.0	N/A	N/A	854.0	N/A	N/A	42.4981	92.2525	H
AGNI4	05478265	DES	Algona 1NNW	East Fork Des Moines River	17.0	13.0	13.0	17.0	18.0	22.0	43.0827	94.2306	F
DAKI4	05479000	DES	Dakota City	East Fork Des Moines River	20.0	18.0	18.0	20.0	24.0	28.0	42.7239	94.1933	F
WBCI4	05481000	DES	Webster City 2S	Boone River	14.0	9.0	9.0	14.0	17.0	19.0	42.4320	93.8058	F
GRMI4	05481950	DES	Grimes 3E	Beaver Creek	14.0	11.0	11.0	14.0	16.0	17.0	41.6883	93.7356	F
EFWI4	05482500	DES	Jefferson 2S	North Raccoon River	19.0	17.0	17.0	19.0	21.0	23.0	41.9881	94.3767	F
PROI4	05483300	#	DES Perry 1W	North Raccoon River	15.0	14.0	14.0	15.0	18.0	20.0	41.8353	94.1317	F
REDI4	05484000	DES	Redfield 2E	South Raccoon River	20.0	18.0	18.0	20.0	24.0	27.0	41.5894	94.1511	FH
VNMI4	05484500	DES	Van Meter	Raccoon River	17.0	15.0	15.0	17.0	22.0	23.0	41.5339	93.9497	FH
DMWI4	05484650	DES	Des Moines - Hwy 28	Raccoon River	36.0	34.0	34.0	36.0	38.0	40.0	41.5636	93.7036	F
DEMI4	05484900	DES	Des Moines - Fleur Dr	Raccoon River	12.0	8.0	8.0	12.0	16.0	25.0	41.5822	93.6419	F
NRWI4	05486000	DES	Norwalk 2SE	North River	22.0	17.0	17.0	22.0	25.0	26.0	41.4578	93.6550	F
IDNI4	05486490	DES	Indianola 5NNW	Middle River	23.0	19.0	19.0	23.0	26.0	28.0	41.4242	93.5872	F
AKWI4	05487470	DES	Ackworth 2SW	South River	29.0	26.0	26.0	29.0	30.0	32.0	41.3372	93.4861	FH
BSSI4	05489000	DES	Bussey 3 WNW	Cedar Creek	25.0	16.0	16.0	25.0	30.0	32.0	41.2189	92.9083	FH
ESVI4	05476500	DES	Estherville	Des Moines River	10.0	6.0	6.0	10.0	13.0	14.5	43.3975	94.8439	F
EMTI4	05476590	DES	Emmetsburg 2NW	Des Moines River	11.0	9.0	9.0	11.0	13.0	15.0	43.1264	94.7061	F
HBTI4	05476750	DES	Humboldt WTP	Des Moines River	10.0	7.0	7.0	10.0	13.0	14.0	42.7194	94.2203	F
FODI4	05480500	DES	Ft Dodge	Des Moines River	10.5	9.0	9.0	10.5	16.0	17.0	42.5083	94.2033	F
STRI4	05481300	DES	Stratford 4WSW	Des Moines River	19.0	14.0	14.0	19.0	25.0	27.0	42.2519	93.9969	F
DMOI4	05482000	DES	Des Moines - 2nd Ave	Des Moines River	23.0	19.0	19.0	23.0	26.0	30.0	41.6120	93.6205	F
DESI4	05485500	DES	Des Moines - SE 6th St	Des Moines River	24.0	20.0	20.0	24.0	26.0	30.0	41.5778	93.6053	F
EDYI4	05489200	DES	Eddyville	Des Moines River	63.0	60.0	60.0	63.0	68.0	70.0	41.1511	92.6361	F
OTMI4	05489500	DES	Ottumwa	Des Moines River	11.5	9.0	9.0	11.5	15.0	19.0	41.0108	92.4111	F
CLVI4		FFH	Clive - I80/35 (ALERT)	Walnut Creek	9.0	N/A	8.0	9.0	14.0	15.0	41.6114	93.7764	H
DFMI4	05485640	FFH	Des Moines - Easton Blvd	Four Mile Creek	12.5	N/A	9.0	12.5	14.0	16.0	41.6139	93.5453	H
DOSI4	05484800	FFH	Des Moines - 63rd St	Walnut Creek	14.0	N/A	10.0	14.0	15.0	17.0	41.5872	93.7031	H
AMEI4	05470000	TIA	Ames 3N	South Skunk River	12.5	11.0	11.0	12.5	16.0	16.5	42.0664	93.6200	F
AMWI4	05470500	TIA	Ames	Ioway Creek	10.0	8.0	8.0	10.0	14.0	15.5	42.0231	93.6303	FH
AESI4	05471000	TIA	Ames 5SE - WWTP	South Skunk River	21.5	19.0	19.0	21.5	23.5	24.5	42.0067	93.5953	F
CFXI4	05471050	TIA	Colfax	South Skunk River	18.0	15.0	15.0	18.0	19.0	21.0	41.6814	93.2464	F
OOAI4	05471500	TIA	Oskaloosa 4N	South Skunk River	24.5	18.0	18.0	24.5	28.5	30.0	41.3558	92.6567	F

\*\*\* DTX - Detroit, MI

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
FGOM4	04159492	SMS	Jeddo 2W	Black River	N/A	8.0	8.0	N/A	N/A	N/A	43.1525	82.6242	F
AVOM4	04159900	SMS	Avoca 2W	Mill Creek	N/A	6.0	6.0	N/A	N/A	N/A	43.0544	82.7347	F
FSRM4	04164000	SMS	Sterling Heights 1E (Frasier 3N)	Clinton River	16.0	14.0	14.0	16.0	17.0	19.0	42.5772	82.9514	FH
MCLM4	04164500	SMS	Mt Clemens 2N	North Branch Clinton River	15.0	13.0	13.0	15.0	16.0	18.0	42.6292	82.8889	FH
MTCM4	04165500	SMS	Mt Clemens 1W	Clinton River	16.0	14.0	14.0	16.0	17.0	18.0	42.5958	82.9097	FH
DETM4	04166500	SMS	Detroit	River Rouge	15.0	13.0	13.0	15.0	18.0	20.0	42.3722	82.2556	FH
GACM4	04167000	SMS	Garden City 2NE	Middle River Rouge	10.0	10.0	10.0	10.0	11.0	12.0	42.3481	83.3117	FH
INKM4	04168000	#	SMS Inkster	Lower River Rouge	10.0	8.0	8.0	10.0	12.0	13.0	42.3000	83.3000	F
DLRM4	04168400	SMS	Dearborn	Lower Rouge River	11.0	9.0	9.0	11.0	12.0	13.0	42.3083	83.2528	F
DEXM4	04173500	SMS	Dexter 2S	Mill Creek	12.0	10.0	10.0	12.0	13.0	14.0	42.3000	83.8986	FH
HMG4	04172000	SMS	Hamburg 1N	Huron River	7.0	6.5	6.5	7.0	7.5	8.0	42.4650	83.8003	F
ANNM4	04174500	SMS	Ann Arbor	Huron River	16.0	14.0	14.0	16.0	17.0	18.0	42.2861	83.7333	F
TECM4	04175700	#	SMS Tecumseh WWTP & 4S	River Raisin	13.0	11.0	11.0	13.0	14.0	15.0	41.9431	83.9453	FH
ADRM4	04176000	SMS	Adrian 2E	River Raisin	18.0	13.0	13.0	18.0	19.0	20.0	41.9042	83.9806	F
BLIM4	04176140	#	SMS Blissfield 1SW	River Raisin	683.0	681.0	681.0	683.0	685.0	687.0	41.8342	83.8667	F
DNDM4		SMS	Dundee WWTP	River Raisin	650.0	648.0	648.0	650.0	652.0	653.0	41.9564	83.6586	F
MONM4		SMS	Monroe WTP	River Raisin	9.0	8.0	8.0	9.0	10.0	11.0	41.9139	83.3875	F
BHRM4	04166000	FFH	Birmingham	River Rouge	5.5	N/A	4.5	5.5	6.0	8.0	42.5458	83.2236	H
SFRM4	04166100	FFH	Southfield	Rouge River	12.0	N/A	12.0	12.0	14.0	16.0	42.4478	83.2978	H
DHEM4	04168580	FFH	Dearborn Heights	Ecorse Creek	8.0	N/A	N/A	8.0	N/A	N/A	42.2694	83.2897	H
MPRM4	04155500	SMW	Midland 7SW	Pine River	12.0	11.0	11.0	12.0	14.0	16.0	43.5644	84.3692	F
MIDM4	04156000	SMW	Midland	Tittabawassee River	24.0	16.0	16.0	24.0	25.0	28.0	43.5953	84.2356	F
OWOM4	04144500	SMW	Owosso 2NW - WWTP	Shiawassee River	7.0	6.0	6.0	7.0	9.0	10.0	43.0150	84.1811	F
FRGM4	04145000	#	SMW Fergus 1E	Shiawassee River	10.0	9.0	9.0	10.0	14.0	15.0	43.2500	84.1000	F
DAVM4	04148140	SMW	Davison 3W	Kearsley Creek	10.0	8.0	8.0	10.0	11.0	12.0	43.0336	83.5814	FH
FLTM4	04148500	SMW	Flint 7W - WWTP	Flint River	13.0	11.0	11.0	13.0	15.0	17.0	43.0389	83.7717	F
CSSM4	04150500	#	SMW Cass City 1SSW - WWTP	Cass River	14.0	12.0	12.0	14.0	18.0	20.0	43.5842	83.1761	F
VSSM4	04151000	#	SMW Vassar WWTP	Cass River	14.0	12.0	12.0	14.0	15.0	18.0	43.3708	83.5811	F
FRNM4	04151500	SMW	Frankenmuth	Cass River	17.0	15.0	15.0	17.0	20.0	25.0	43.3278	83.7481	F
SAGM4	04157005	SMW	Saginaw	Saginaw River	17.0	16.0	16.0	17.0	19.0	24.0	43.4219	83.9519	F
COLM4	04146063	FFH	Columbiaville 3E	South Branch Flint River	6.0	N/A	N/A	6.0	N/A	N/A	43.1594	83.3508	H
FLSM4	04148295	FFH	Flint - Claude Ave.	Swartz Creek	10.0	8.0	8.0	10.0	11.0	12.0	42.9858	83.7389	H
FTCM4	04148440	FFH	Flint 4SE	Thread Creek	7.0	6.0	6.0	7.0	7.5	8.0	42.9750	83.6358	H
LHCM4		FFH	Lapeer - McCormick Dr	Hunters Creek	820.0	N/A	N/A	820.0	N/A	N/A	43.0419	83.3069	H
LSFM4		FFH	Lapeer - W Oregon Rd	South Branch Flint River	813.0	N/A	N/A	813.0	N/A	N/A	43.0583	83.3067	H
MSPM4		FFH	Midland	Sturgeon Creek	611.0	N/A	N/A	611.0	N/A	N/A	43.6411	84.2664	H

\*\*\* DVN - Quad Cities, IA

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
VINI4	05464315	CIW	Vinton	Cedar River	15.0	14.0	14.0	15.0	18.0	19.0	42.1706	92.0233	F
PLOI4	05464420	CIW	Palo	Cedar River	12.5	11.0	11.0	12.5	15.5	17.0	42.0692	91.7850	F
CIDI4	05464500	CIW	Cedar Rapids	Cedar River	12.0	10.0	10.0	12.0	14.0	16.0	41.9719	91.6669	FM
CEBI4	05464780	CIW	Cedar Bluff	Cedar River	16.0	12.0	12.0	16.0	20.0	26.0	41.7872	91.3136	F
CNEI4	05465000	CIW	Conesville 4NE	Cedar River	13.0	12.0	12.0	13.0	15.0	16.5	41.4094	91.2906	F
MROI4	05453100	CIW	Marengo	Iowa River	15.0	13.0	13.0	15.0	17.0	19.0	41.8128	92.0647	F
IOWI4	05454500	CIW	Iowa City No. 2	Iowa River	23.5	21.0	21.0	23.5	24.5	26.0	41.6567	91.5408	FM
KALI4	05455500	CIW	Kalona 1SSW	English River	14.0	13.0							

BRLI4		M19 Burlington	Mississippi River	15.0	14.0	14.0	15.0	16.5	18.0	40.7981	91.0964	MEF
EOKI4	05474500	# M19 Keokuk L&D 19	Mississippi River	16.0	14.0	14.0	16.0	17.5	19.0	40.3936	91.3742	MF
GGYM7		M19 Gregory Landing	Mississippi River	15.0	14.0	14.0	15.0	18.0	25.0	40.2794	91.4961	MF
APRI2	05419000	FFH Hanover	Apple River	20.0	N/A	19.0	20.0	N/A	N/A	42.2500	90.2800	H
OQUI2	05469000	FFH Oquawka 7NE	Henderson Creek	21.5	N/A	20.0	21.5	N/A	N/A	41.0014	90.8542	H
PCKI2	05467000	FFH Keithsburg	Pope Creek	24.0	N/A	22.0	24.0	N/A	N/A	41.1300	90.9200	H
WLCI4	05422560	# FFH Walcott 5SE - 110th Ave	Duck Creek	18.0	N/A	N/A	18.0	N/A	N/A	41.5567	90.6875	H
DKII4	05422600	FFH Davenport 4NE - Kimberly Rd	Duck Creek	12.0	N/A	11.0	12.0	N/A	N/A	41.5461	90.5239	H
BETI4		FFH Bettendorf	Duck Creek	572.0	N/A	571.0	572.0	N/A	N/A	41.5325	90.4747	H
MCCI4		FFH Muscatine - Hwy 38	Mad Creek	599.0	N/A	598.0	599.0	N/A	N/A	41.4597	91.0319	H
FEEI2	05435500	RCK Freeport WWTP	Pecatonica River	13.0	11.5	11.5	13.0	14.0	16.0	42.3028	89.6194	F
CMOI2	05443500	RCK Como	Rock River	12.5	10.0	10.0	12.5	15.5	18.0	41.7722	89.7456	F
JOSI2	05446500	RCK Joslin	Rock River	12.0	11.0	11.0	12.0	14.0	16.5	41.5558	90.1856	FMB
GENI2	05447500	RCK Geneseo 2N	Green River	15.0	14.0	14.0	15.0	16.5	18.0	41.4889	90.1581	F
MLII2		RCK Moline	Rock River	12.0	11.0	11.0	12.0	13.0	14.0	41.4617	90.5011	FMB
CLMI2	05584500	SSL Colmar 1SSW	La Moine River	20.0	19.0	19.0	20.0	22.0	24.0	40.3303	90.8961	F
MCHI4	05416900	TIA Manchester 1SE	Maquoketa River	14.0	12.0	12.0	14.0	17.0	20.0	42.4700	91.4483	FH
MAQI4	05418500	TIA Maquoketa 2NE	Maquoketa River	24.0	23.0	23.0	24.0	26.0	28.5	42.0833	90.6328	F
IDPI4	05421000	TIA Independence	Wapsipinicon River	12.0	10.0	10.0	12.0	13.0	15.0	42.4636	91.8950	F
ANSI4	05421740	TIA Anamosa 2SE - Shaw Rd	Wapsipinicon River	14.5	13.0	13.0	14.5	18.0	21.5	42.0833	91.2675	MFB
DEWI4	05422000	TIA De Witt 4S	Wapsipinicon River	11.0	10.0	10.0	11.0	11.5	12.5	41.7669	90.5347	MFB
SIGI4	05472500	TIA Sigourney 2S	North Skunk River	16.0	14.5	14.5	16.0	18.0	21.0	41.3008	92.2044	F
AGSI4	05474000	TIA Augusta	Skunk River	15.0	14.0	14.0	15.0	17.0	20.0	40.7536	91.2772	F
DRNI4	05414500	# FFH Durango 3W	Little Maquoketa River	15.0	N/A	N/A	15.0	17.0	20.0	42.5550	90.7461	H
WYLM7	05495000	TMO Wayland 2W	Fox River	15.0	14.0	14.0	15.0	18.0	20.0	40.3925	91.5978	F

\*\*\* FGF - Eastern North Dakota, ND

NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC		WFO		MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST	TYPE
						FIS	Action	FIS	Action							
DCBN8	05056500	DEV	Devils Lake 5SW-Creel Bay	Devils Lake	N/A	N/A	N/A	N/A	N/A	N/A	N/A	48.0994	98.9028			
ESLN8	05056665	DEV	Lakota 11S	Eastern Stump Lake	N/A	N/A	N/A	N/A	N/A	N/A	N/A	47.8686	98.3575			
ABRN8	05053000	RED	Abercrombie 2WNW	Wild Rice River	20.0	17.0	17.0	20.0	22.0	28.0	46.4706	96.7819	F			
WHNN8	05051500	RED	Wahpeton	Red River of the North	11.0	9.5	9.5	11.0	13.0	15.0	46.2653	96.5944	F			
HICN8	05051522	RED	Hickson 1SE	Red River of the North	30.0	28.0	28.0	30.0	34.0	38.0	46.6583	96.7964	F			
FGON8	05054000	RED	Fargo WTP	Red River of the North	18.0	17.0	17.0	18.0	25.0	30.0	46.8611	96.7833	F			
HILN8	05064500	RED	Hillsboro 11ESE (Halstad MN)	Red River of the North	26.0	24.0	24.0	26.0	32.0	37.5	47.3519	96.8433	F			
EGFM5	05082500	RED	East Grand Forks	Red River of the North	28.0	27.0	27.0	28.0	40.0	46.0	47.9272	97.0261	F			
OSLM5	05083500	RED	Oslo	Red River of the North	26.0	23.0	23.0	26.0	30.0	36.0	48.1942	97.1400	F			
DRTN8	05092000	RED	Drayton 2NE - Hwy 66 Brdg	Red River of the North	32.0	28.0	28.0	32.0	38.0	42.0	48.5722	97.1472	F			
PBNN8	05102490	RED	Pembina	Red River of the North	39.0	35.0	35.0	39.0	44.0	49.0	48.9736	97.2413	F			
CSRM5	05051000	#	FFH Campbell 1W	South Fork Rabbit River	17.0	N/A	16.0	17.0	N/A	N/A	46.0944	96.4111	H			
DWGN8	05052500	FFH	Dwight 1NE - Cnty Rd 10	Antelope Creek	38.0	N/A	37.0	38.0	N/A	N/A	46.3117	96.7342	H			
SABM5	05061500	TMN	Sabin 1E	South Branch Buffalo River	13.0	12.0	12.0	13.0	15.0	19.0	46.7756	96.6278	F			
HWYM5	05061000	TMN	Hawley 2SW	Buffalo River	8.0	7.5	7.5	8.0	9.0	11.0	46.8522	96.3292	F			
DILM5	05062000	TMN	Dilworth 7NE	Buffalo River	13.0	12.0	12.0	13.0	20.0	26.0	46.9611	96.6611	F			
TWVM5	05062500	TMN	Twin Valley 1NE	Wild Rice River	10.0	9.0	9.0	10.0	12.0	14.0	47.2667	96.2444	F			
HNDM5	05064000	TMN	Hendrum	Wild Rice River	20.0	18.0	18.0	20.0	28.0	32.0	47.2681	96.7972	F			
SHYM5	05067500	TMN	Shelly 4SE	Marsh River	14.0	13.0	13.0	14.0	20.0	23.0	47.4125	96.7639	F			
CLXM5	05069000	TMN	Climax	Sand Hill River	20.0	15.0	15.0	20.0	25.0	30.0	47.6119	96.8144	F			
HIGM5	05075000	TMN	High Landing	Red Lake River	12.0	11.0	11.0	12.0	12.5	13.0	48.0428	95.8078	F			
CRKM5	05079000	TMN	Crookston	Red Lake River	15.0	12.0	12.0	15.0	20.0	23.0	47.7756	96.6092	F			
MKLM5	05085450	TMN	Warren 3ENE-Morkassel Brdg	Snake River	67.0	66.0	66.0	67.0	71.0	75.0	48.2097	96.7181	F			
ALVM5	05086000	#	TMN Alvarado	Snake River	106.0	105.0	105.0	106.0	108.0	110.0	48.1947	97.0056	F			
HLLM5	05095000	#	TMN Hallock	Two Rivers River	802.0	800.0	800.0	802.0	806.0	810.0	48.7756	96.9375	F			
ROSM5	05105000	#	TMN Roseau - Center St Brdg	Roseau River	16.0	14.0	14.0	16.0	18.0	19.0	48.8464	95.7600	F			
MALM5	05104500	FFH	Malung 1.5NW - Blo So Fk	Roseau River	13.0	N/A	12.0	13.0	N/A	N/A	48.7947	95.7422	H			
VCRN8	05058500	TND	Valley City	Sheyenne River	15.0	12.5	12.5	15.0	16.0	17.0	46.9139	98.0083	F			
LBNN8	05058700	TND	Lisbon	Sheyenne River	15.0	11.0	11.0	15.0	17.0	19.0	46.4469	97.6789	F			
KNDN8	05059000	TND	Kindred 2SE	Sheyenne River	16.0	14.0	14.0	16.0	19.0	20.5	46.6317	97.0003	F			
WFON8	05059480	TND	West Fargo	Sheyenne River Diversion	18.0	16.0	16.0	18.0	20.0	21.0	46.8911	96.9164	F			
ENDN8	05059700	TND	Enderlin 1E	Maple River	9.5	8.0	8.0	9.5	12.0	14.0	46.6214	97.5733	F			
MPLN8	05060000	TND	Mapleton 3SW	Maple River	18.0	14.0	14.0	18.0	21.0	23.0	46.8661	97.1061	F			
HWDN8	05060400	TND	Harwood	Sheyenne River	84.0	82.0	82.0	84.0	86.0	91.0	46.9775	96.8914	F			
HGRN8	05066500	TND	Hillsboro	Goose River	10.0	7.0	7.0	10.0	13.0	16.0	47.4094	97.0608	FH			
MTON8	05085000	TND	Minto	Forest River	6.0	4.5	4.5	6.0	8.0	11.0	48.2861	97.3694	F			
WLHN8	05099600	TND	Walhalla	Pembina River	11.0	9.0	9.0	11.0	16.0	18.0	48.9133	97.9167	F			
NCEN8	05100000	TND	Neche	Pembina River	18.0	16.0	16.0	18.0	19.0	20.5	48.9897	97.5567	F			
LTRN8	05082625	FFH	Larimore 5ENE	Turtle River	8.0	N/A	N/A	8.0	12.0	15.0	47.9319	97.5142	H			

\*\*\* FSD - Sioux Falls, SD

NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC		WFO		MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST	TYPE
						FIS	Action	FIS	Action							
AVOM5		DES	Avoca 7E - CSAH6	West Fork Des Moines River	1425.0	1423.0	1423.0	1425.0	1426.0	1428.0	43.9494	95.5069	F			
WDOM5	05475350	DES	Windom	Des Moines River	19.0	17.0	17.0	19.0	21.0	25.0	43.8906	95.1597	F			
JCKM5	05476000	DES	Jackson	Des Moines River	12.0	10.0	10.0	12.0	12.5	14.0	43.6208	94.9850	F			
MSTM5	05315000	MIN	Marshall 1W	Redwood River	14.0	12.0	12.0	14.0	15.0	16.5	44.4303	95.8294	FH			
RUSM5		FFH	Russell	Redwood River	14.0	N/A	12.0	14.0	17.0	20.0	44.3222	95.9528	H			

\*\*\* GRB - Green Bay, WI

NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC		WFO		MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST	TYPE
						FIS	Action	FIS	Action							
OCTW3	04071765	EWS	Oconto 5SW	Oconto River	9.0	7.0	7.0	9.0	12.0	14.0	44.8606	87.9839	F			
LGLW3	04074950	EWS	Langlade	Wolf River	11.5	9.5	9.5	11.5	12.5	14.0	45.1900	88.7333	FMB			
SHIW3		EWS	Shiocton	Wolf River	11.0	9.0	9.0	11.0	13.5	15.0	44.4444	88.5803	F			
NEWW3	04079000	EWS	New London	Wolf River	9.0	7.0	7.0	9.0	10.5	11.1	44.3922	88.7403	F			
ROYW3	04080000	EWS	Royalton	Little Wolf River	5.0	4.0	4.0	5.0	8.0	10.0	44.4125	88.8653	F			
WPCW3	04081000	EWS	Waupaca	Waupaca River	6.0	5.0	5.0	6.0	7.5	9.0	44.3294	88.9961	F			
APLW3	04084445	EWS	Appleton	Fox River	8.4	7.0	7.0	8.4	9.0	10.5	44.2481	88.4231	FMB			
HOWW3	04072150	#	FFH Howard	Duck Creek	18.0	N/A	15.0	18.0	20.0	23.0	44.5336	88.1294	H			
FLOW3	04063000	MEN	Florence 4NE	Menominee River	9.0	8.5	8.5	9.0	11.0	13.0	45.9514	88.1892	FH			
NIAW3	04065106	MEN	Niagara	Menominee River	13.0	10.0	10.0	13.0	15.0	16.0	45.7678	87.9806	F			
VLCM4	04065722	MEN	Vulcan 3S	Menominee River	15.0	9.0	9.0	15.0	17.0	19.0	45.7367	87.8633	F			
MCAW3	04067500	MEN	Wausaukee 15E (McAllister)	Menominee River	15.0	12.0	12.0	15.0	18.0	19.0	45.3258	87.6633	F			
RRLW3	05395000	WIS	Merrill	Wisconsin River	11.0	10.0	10.0	11.0	13.5	15.0	45.1781	89.6811	FH			
ROTW3	05398000	WIS	Rothschild	Wisconsin River	25.0	18.0	18.0	25.0	27.0	28.0	44.8858	89.6347	F			
BBCW3	05402000	WIS	Babcock 1WNW	Yellow River	12.0	10.0	10.0	12.0	15.5	17.0	44.3019	90.1222	FH			
WIRW3	05400760	WIS	Wisconsin Rapids-Grand Ave	Wisconsin River	12.0	10.0	10.0	12.0	13.5	14.5	44.3922	89.8269	F			
STRW3	05399500	FFH	Stratford 1NW	Big Eau Pleine River	15.5	N/A	11.0	15.5	19.0	22.5	44.8219	90.0794	H			

\*\*\* GRR - Grand Rapids, MI

SCTM4	04122500	GND	Scottville	Pere Marquette River	5.5	4.0	4.0	5.5	6.5	7.0	43.9450	86.2786	F
WHTM4	04122200	GND	Whitehall	White River	6.0	5.0	5.0	6.0	7.0	8.0	43.4642	86.2325	F
EVRM4	04121500	GND	Ewart	Muskegon River	12.0	10.0	10.0	12.0	13.0	14.0	43.8992	85.2553	MBF
MORM4	04121900	#	GND Morley 5E	Little Muskegon River	6.0	4.0	4.0	6.0	7.0	8.0	43.5025	85.3425	F
OKGM4	04121944	GND	Croton 3E (Oak Grove)	Little Muskegon River	N/A	N/A	N/A	N/A	N/A	N/A	43.4308	85.5956	BMI
CROM4	04121970	GND	Croton - Croton Dam	Muskegon River	9.0	8.0	8.0	9.0	11.0	12.0	43.4347	85.6653	F
NEWM4	04122001	GND	Newaygo - Bridge St	Muskegon River	11.0	10.0	10.0	11.0	14.0	15.0	43.4169	85.8083	F
BDGM4	04122025	GND	Bridgeton	Muskegon River	13.0	12.0	12.0	13.0	16.0	17.0	43.3472	85.9394	F
GPDM4		FFH	Grand Rapids - 44th St	Buck Creek	642.0	N/A	N/A	642.0	N/A	N/A	42.8847	85.7067	H
GARM4		FFH	Grand Rapids - Alpine Ave NW	Indian Mill Creek	5.0	N/A	N/A	5.0	N/A	N/A	42.9972	85.6881	H
WRDM4		FFH	Grand Rapids - W River Dr	Mill Creek	5.0	N/A	N/A	5.0	N/A	N/A	43.0339	85.6667	H
GRPM4	04119055	FFH	Grand Rapids - 28th St	Plaster Creek	9.0	N/A	N/A	9.0	N/A	N/A	42.9128	85.6506	H
MARM4	04103500	KSJ	Marshall	Kalamazoo River	8.0	6.0	6.0	8.0	9.0	10.0	42.2653	84.9653	F
BCRM4	04105000	KSJ	Battle Creek	Battle Creek	4.0	3.0	3.0	4.0	5.0	6.0	42.3319	85.1542	F
BTCM4	04105500	KSJ	Battle Creek	Kalamazoo River	9.0	7.0	7.0	9.0	10.0	11.0	42.3239	85.1975	F
CMSM4	04106000	KSJ	Comstock	Kalamazoo River	9.0	7.0	7.0	9.0	10.0	11.0	42.2856	85.5139	F
RCMM4	04108660	KSJ	New Richmond	Kalamazoo River	17.0	15.0	15.0	17.0	19.0	21.0	42.6508	86.1067	F
BURM4	04096405	KSJ	Burlington	St Joseph River	6.5	6.0	6.0	6.5	9.0	11.0	42.1031	85.0800	F
VCKM4	04097170	#	KSJ Vicksburg 1 NE	Portage River	5.5	5.0	5.0	5.5	7.0	8.0	42.1147	85.4856	F
MPTM4	04154000	#	SMW Mount Pleasant 3NE	Chippewa River	8.0	6.0	6.0	8.0	11.0	13.0	43.6256	84.7078	F
ALMM4	04155000	#	SMW Alma WWTP	Pine River	8.0	7.0	7.0	8.0	10.0	12.0	43.3794	84.6556	F

\*\*\* ILX - Central Illinois, IL

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
HNYI2	05558300		ILO Henry	Illinois River	23.0	22.0	22.0	23.0	24.0	31.0	41.1072	89.3563	MEF
PIAI2	05560000	#	ILO Peoria - Boat Yard	Illinois River	18.0	17.0	17.0	18.0	22.0	28.0	40.7022	89.5644	MEF
PRAI2	05563600	#	ILO Peoria 5SSW - L&D 7	Illinois River	447.0	444.0	444.0	447.0	449.0	455.0	40.6317	89.6250	MF
HAVI2	05570500	#	ILO Havana	Illinois River	14.0	13.0	13.0	14.0	17.0	23.0	40.2942	90.0683	MEF
BEAI2	05584000	#	ILO Beardstown	Illinois River	14.0	13.0	13.0	14.0	18.0	28.0	40.0203	90.4367	MEF
CNGI2	05567500	SSL	Congerville 2NW	Mackinaw River	13.0	10.0	10.0	13.0	14.0	20.0	40.6236	89.2417	F
LNMI2	05569500	SSL	London Mills 1WSW	Spoon River	15.0	13.0	13.0	15.0	21.0	24.0	40.7078	90.2800	F
SEVI2	05570000	SSL	Seville (Marietta 3ESE)	Spoon River	22.0	19.0	19.0	22.0	25.0	30.0	40.4900	90.3406	F
MNTI2	05572000	SSL	Monticello	Sangamon River	13.0	11.0	11.0	13.0	17.0	20.0	40.0308	88.5889	F
RVTI2	05576500	SSL	Riverton	Sangamon River	23.0	17.0	17.0	23.0	26.0	29.0	39.8433	89.5475	F
PETI2	05578000	SSL	Petersburg	Sangamon River	23.0	18.0	18.0	23.0	24.0	33.0	40.0133	89.8383	F
GREI2	05582000	SSL	Greenview 3N	Salt Creek	16.0	14.0	14.0	16.0	17.0	20.0	40.1319	89.7356	F
OKFI2	05583000	SSL	Oakford	Sangamon River	471.0	469.0	469.0	471.0	472.9	478.5	40.1242	89.9847	F
CDLI2		SSL	Chandlerville	Sangamon River	456.6	454.0	454.0	456.6	459.0	462.0	40.0619	90.1558	F
BMII2	05580950	FFH	Bloomington	Sugar Creek	11.0	N/A	7.0	11.0	N/A	N/A	40.4719	89.0280	H
RLLI2	05578500	FFH	Rowell	Salt Creek	15.0	N/A	N/A	15.0	N/A	N/A	40.1150	89.0492	H

\*\*\* IWX - Northern Indiana, IN

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
DAVI3	05515500	KDF	Davis	Kankakee River	10.0	9.0	9.0	10.0	12.0	13.0	41.3896	86.7062	F
PYMI3	05516500	KDF	Plymouth	Yellow River	13.0	11.0	11.0	13.0	14.0	15.0	41.3403	86.3044	F
KNXI3	05517000	KDF	Knox WWTP	Yellow River	10.0	9.0	9.0	10.0	12.0	13.0	41.3028	86.6206	F
TRVM4	04097500	KSJ	Three Rivers	St Joseph River	7.0	6.0	6.0	7.0	9.0	11.0	41.9403	85.6328	F
MOTM4	04099000	KSJ	Mottville	St Joseph River	8.0	7.0	7.0	8.0	9.0	10.0	41.8008	85.7561	F
CPEI3	04100222	KSJ	Cosperville	North Branch Elkhart River	6.0	5.0	5.0	6.0	7.0	8.0	41.4817	85.4756	F
GSHI3	04100500	KSJ	Goshen	Elkhart River	7.0	6.0	6.0	7.0	9.0	11.0	41.5933	85.8486	F
EKMI3	04101000	KSJ	Elkhart Public Works	St Joseph River	24.0	23.0	23.0	24.0	25.0	27.0	41.6917	85.9750	F
SBNI3	04101225	KSJ	South Bend WWTP	St Joseph River	5.5	4.5	4.5	5.5	8.0	9.0	41.7203	86.2692	F
NILM4	04101500	KSJ	Niles WWTP	St Joseph River	11.0	7.0	10.0	11.0	14.0	15.0	41.8292	86.2597	F

\*\*\* LOT - Chicago, IL

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
HDDI3	05536179	CAL	Dyer	Hart Ditch	12.0	11.0	11.0	12.0	13.0	14.0	41.5078	87.5100	FH
THNI2	05536275	CAL	Thornton	Thorn Creek	9.0	7.5	7.5	9.0	14.0	15.5	41.5683	87.6078	FH
LCMI3	05536195	CAL	Munster - Hohman Ave.	Little Calumet River	12.0	11.5	11.5	12.0	14.0	17.0	41.5775	87.5222	FH
SHLI2	05536290	CAL	South Holland	Little Calumet River	16.0	12.0	12.0	16.0	17.5	19.5	41.6069	87.5978	F
CDCI2	05536235	FFH	Chicago Heights 2NE	Deer Creek	10.0	N/A	9.0	10.0	N/A	N/A	41.5208	87.5903	H
FLSI2	05536255	FFH	Flossmoor 1E	Butterfield Creek	9.0	N/A	8.0	9.5	N/A	N/A	41.5400	87.6492	H
GLWI2	05536215	FFH	Glenwood	Thorn Creek	8.5	N/A	7.0	8.5	N/A	N/A	41.5303	87.6222	H
MNTI3	05536190	FFH	Munster	Hart Ditch	6.0	N/A	5.0	6.0	7.5	8.5	41.5611	87.4806	H
OAKI2	05536340	FFH	Oak Forest	Midlothian Creek	6.0	N/A	5.5	6.0	7.0	8.5	41.6142	87.7294	H
PRTI3	04094000	FFH	Porter	Little Calumet River	8.0	N/A	7.0	7.0	N/A	N/A	41.6217	87.0869	H
MORI2	05542500	ILO	Morris	Illinois River	16.0	13.0	13.0	16.0	18.0	22.0	41.3542	88.4286	MEF
MMOI2		ILO	Marseilles L&D 2W	Illinois River	467.0	466.0	466.0	467.0	469.5	473.0	41.3283	88.7533	MF
OTWI2		ILO	Ottawa	Illinois River	463.0	461.0	461.0	463.0	467.0	471.0	41.3444	88.8392	F
SRDI2	05553700	#	ILO Utica-Starved Rock L&D 6	Illinois River	450.0	449.0	449.0	450.0	460.0	465.0	41.3247	88.9858	MF
LSLI2	05556000	#	ILO La Salle 1S	Illinois River	20.0	19.0	19.0	20.0	27.0	31.0	41.3235	89.1107	MEF
DRFI2	05534500	FFH	Deerfield 2SE	North Branch Chicago River	10.0	N/A	8.5	10.0	12.0	13.5	42.1528	87.8186	H
JHCI2	05539000	FFH	Joliet	Hickory Creek	16.5	N/A	16.0	16.5	19.0	24.0	41.5150	88.0733	H
LAFI2	05535000	FFH	Lake Forest	Skokie River	6.0	N/A	4.0	6.0	10.0	11.0	42.2325	87.8447	H
NBRI2	05535500	FFH	Northbrook	West Fork N Br Chicago River	8.0	N/A	7.0	8.0	N/A	N/A	42.1383	87.8344	H
NBPI2	05536085	KDF	Chicago - N. Pulaski Rd	North Branch Chicago River	18.0	16.5	16.5	18.0	20.0	21.0	41.9747	87.7283	F
RUSI2	05527800	KDF	Russell	Des Plaines River	7.0	6.5	6.5	7.0	9.0	10.0	42.4894	87.9256	F
GUNI2	05528000	KDF	Gurnee 3SW	Des Plaines River	7.0	6.5	6.5	7.0	9.0	11.0	42.3442	87.9383	F
LDRI2	05528100	KDF	Lincolnshire	Des Plaines River	12.5	11.5	11.5	12.5	14.0	15.5	42.2006	87.9181	F
DSPi2	05529000	KDF	Des Plaines 3N	Des Plaines River	15.0	13.5	13.5	15.0	18.0	19.0	42.0872	87.8872	F
RVFI2	05530750	KDF	River Forest	Des Plaines River	16.0	13.0	13.0	16.0	17.5	18.5	41.8883	87.8328	F
RVRI2	05532500	KDF	Riverside	Des Plaines River	7.5	7.0	7.0	7.5	8.0	9.0	41.8217	87.8219	F
LEMI2	05533600	KDF	Lemont 1NW	Des Plaines River	10.0	9.5	9.5	10.0	13.0	15.0	41.6722	88.0294	F
WRNI2	05540095	KDF	Warrenville	West Branch Du Page River	12.5	11.0	11.0	12.5	14.5	17.5	41.8175	88.1714	F
BOLI2	05540250	KDF	Bolingbrook	East Branch Du Page River	20.0	18.0	18.0	20.0	22.0	24.0	41.7181	88.0706	F
NDRI2	05540290	KDF	Plainfield	Du Page River	12.0	10.0	10.0	12.0	14.0	15.0	41.6900	88.1664	F
SORI2	05540500	KDF	Shorewood	Du Page River	15.0	14.5	14.5	15.0	17.0	19.0	41.5222	88.1925	FH
AFBI2	05550001	KDF	Algonquin (Footbridge)	Fox River	9.5	9.0	9.0	9.5	10.5	12.0	42.1619	88.2939	F
MNGI2	05551540	KDF	Montgomery	Fox River	13.5	13.0	13.0	13.5	15.0	16.0	41.7336	88.3333	F
DAYI2	05552500	KDF	Dayton	Fox River	12.0	11.0	11.0	12.0	14.0	24.0	41.3839	88.7897	F
DBRI3	05517500	KDF	Dunns Bridge (Wheatfield 5NE)	Kankakee River	10.0	9.5	9.5	10.0	12.0	13.0	41.2194	86.9686	F
SLBI3	05518000	KDF	Shelby	Kankakee River	10.5	9.5	9.5	10.5	11.5	12.5	41.1828	87.3403	F
MOMI2	05520500	KDF	Momence	Kankakee River	5.0	4.5	4.5	5.0	6.5	9.0	41.1600	87.6686	F
RZLI3	05522500	KDF	Rensselaer	Iroquois River	12.0	11.0	11.0	12.0	14.0	15.0	40.9333	87.1289	F
FSMI3	05524500	KDF	Iroquois River Near Foresman	Iroquois River	18.0	15.0	15.0	18.0	22.0	24.0	40.8706	87.3067	F
IRQI2	05525000	KDF	Iroquois	Iroquois River	18.0	17.0	17.0	18.0	24.0	25.0	40.8236	87.5819	F
MILI2	05525500	KDF	Milford 1W	Sugar Creek	18.0	15.0	15.0	18.0	22.0	26.0	40.6300	87.7239	F
CHBI2	05526000	KDF	Chebanse 5E	Iroquois River	16.0	15.0	15.0	16.0	18.0	20.0	41.0089	87.8242	F
WLMI2	05527500	KDF	Wilmington 3NW	Kankakee River	6.5	5.0	5.0	6.5	8.0	10.0	41.3467	88.1864	F
COLI2	055420												

ALPI2	FFH	Rockford - Alpine Dam	Keith Creek	193.0	N/A	N/A	193.0	N/A	N/A	42.2717	89.0250	H
LEVI2	FFH	Rockford - Levings Lk	South Branch Kent Creek	748.0	N/A	N/A	748.0	N/A	N/A	42.2600	89.1300	H
PPLI2	FFH	Rockford - Page Park Lk	Kent Creek	766.0	N/A	N/A	766.0	N/A	N/A	42.3067	89.1583	H

\*\*\* LSX - St. Louis, MO

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
NLGI2	05585100	#	ILO La Grange L&D 8	Illinois River	23.0	21.0	21.0	23.0	27.0	29.0	39.9403	90.5344	MF
MROI2	05585500		ILO Meredosia Pwr Plant	Illinois River	17.0	14.0	14.0	17.0	22.0	24.0	39.8233	90.5681	MEF
VALI2	05586100		ILO Valley City	Illinois River	14.0	11.0	11.0	14.0	21.0	23.0	39.7033	90.6453	MEF
HARI2	05587060		ILO Hardin	Illinois River	25.0	24.0	24.0	25.0	31.0	32.0	39.1603	90.6153	MEF
VNDI2	05592500		KBM Vandalia WWTP	Kaskaskia River	18.0	16.0	16.0	18.0	24.0	26.0	38.9653	89.0889	F
NASI2	05595000		KBM New Athens	Kaskaskia River	79.0	77.0	77.0	79.0	82.0	85.0	38.3197	89.8886	F
KCAI2	05593000		KBM Carlyle - Us Hwy 50	Kaskaskia River	16.5	15.0	15.0	16.5	23.0	27.0	38.6103	89.3575	F
SEEM7	07013000		MEC Steelville 2N	Meramec River	12.0	10.0	10.0	12.0	20.0	25.0	37.9986	91.3608	FH
SLLM7	07014500		MEC Sullivan 4SE	Meramec River	11.0	9.0	9.0	11.0	20.0	29.0	38.1586	91.1083	F
UNNM7	07016500		MEC Union	Bourbeuse River	15.0	13.0	13.0	15.0	22.0	26.0	38.4458	90.9917	FH
PCFM7	07017020		MEC Pacific	Meramec River	15.0	13.0	13.0	15.0	23.0	27.0	38.4672	90.7350	FH
BYRM7	07018500		MEC Byrnesville 2NNE	Big River	16.0	13.0	13.0	16.0	20.0	28.0	38.3625	90.6514	FH
ERKM7	07019000		MEC Eureka 2E	Meramec River	19.0	17.0	17.0	19.0	26.0	31.0	38.5047	90.5908	F
VLLM7	07019130		MEC Valley Park	Meramec River	18.0	11.0	11.0	18.0	21.0	27.0	38.5464	90.4850	F
FNNM7	07019210		MEC Fenton 1E - New Gravois Rd	Meramec River	23.0	22.0	22.0	23.0	29.0	32.0	38.5122	90.4314	F
ARNM7	07019300		MEC Arnold 1N	Meramec River	24.0	22.0	22.0	24.0	35.0	38.0	38.4567	90.3606	F
CSNM7	07010350		FFH Cook Station 1N	Meramec River	7.0	N/A	5.5	7.0	N/A	N/A	37.8292	91.4375	H
CANM7	05495150	#	MIS Canton L&D 20	Mississippi River	15.0	13.0	13.0	15.0	20.0	25.0	40.1444	91.5147	MF
LGRM7			MIS La Grange	Mississippi River	17.0	16.0	16.0	17.0	23.0	25.0	40.0397	91.4973	F
UINI2			MIS Quincy - Memorial Brdg	Mississippi River	19.0	17.0	17.0	19.0	22.0	26.0	39.9322	91.4161	MF
QLDI2			MIS Quincy 3SSW - L&D 21	Mississippi River	18.0	16.0	16.0	18.0	21.0	25.0	39.9036	91.4283	MF
HNNM7	05501600	#	MIS Hannibal WTP	Mississippi River	17.0	15.0	15.0	17.0	22.0	24.0	39.7119	91.3544	MEF
SVRM7			MIS Saverton L&D 22	Mississippi River	16.0	14.0	14.0	16.0	20.0	24.0	39.6336	91.2472	MF
LUSM7			MIS Louisiana WTP	Mississippi River	15.0	13.0	13.0	15.0	20.0	25.0	39.4526	91.0466	MF
CLKM7			MIS Clarksville L&D 24	Mississippi River	25.0	23.0	23.0	25.0	31.0	33.0	39.3733	90.9047	MF
CAGM7	05513675	#	MIS Cap Au Gris (Winfield) L&D 25	Mississippi River	26.0	24.0	24.0	26.0	30.0	34.0	39.0008	90.6875	MF
GRFI2	05587450		MIS Grafton (Pool 26 CP)	Mississippi River	20.0	18.0	18.0	20.0	24.0	29.0	38.9681	90.4283	MEF
ALOI2	05587498		MIS Alton	Mississippi River	21.0	20.0	20.0	21.0	24.0	31.0	38.8864	90.1826	F
ALNI2	05587541	#	MIS Alton 2SE - Melvin Price L&D	Mississippi River	21.0	19.0	19.0	21.0	29.0	34.0	38.8669	90.1489	MEF
EADM7	07010000		MIS St Louis (Eads Bridge)	Mississippi River	30.0	28.0	28.0	30.0	35.0	40.0	38.6289	90.1797	MEF
HRCM7			MIS Herculanum 1NE	Mississippi River	26.0	24.0	24.0	26.0	32.0	37.0	38.2660	90.3730	F
CHSI2	07020500		MIS Chester	Mississippi River	27.0	25.0	25.0	27.0	35.0	40.0	37.9007	89.8302	MEF
LSTM7			FFH Lake St Louis	Peruque Creek	500.0	N/A	N/A	500.0	N/A	N/A	38.8017	90.7661	H
RIPI2	05585000		SSL Ripley	La Moine River	22.0	18.0	18.0	22.0	23.0	27.0	40.0253	90.6319	F
EWNM7	05497150		TMO Ewing 5E	North Fabius River	11.0	9.0	9.0	11.0	17.0	20.0	40.0189	91.6219	FH
EWMW7	05498150		TMO Ewing 1NNE	Middle Fabius River	12.0	9.5	9.5	12.0	17.0	20.0	40.0289	91.7056	FH
TAYM7	05500000		TMO Taylor 5SW	South Fabius River	10.0	7.0	7.0	10.0	14.0	19.0	39.8967	91.5803	FH
PALM7	05501000		TMO Palmyra 2NW	North River	13.0	11.0	11.0	13.0	16.0	22.0	39.8169	91.5461	FH
PMZM7	05506350		TMO Holliday 2N	Middle Fork Salt River	17.0	15.0	15.0	17.0	22.0	26.0	39.5242	92.1278	FH
NLDM7	05508000		TMO New London	Salt River	19.0	17.0	17.0	19.0	25.0	27.0	39.6122	91.4072	F
TRYM7	05514500		TMO Troy	Cuivre River	21.0	19.0	19.0	21.0	25.0	29.0	39.0089	90.9775	FH
OMNM7	05514705		TMO Old Monroe	Cuivre River	24.0	22.0	22.0	24.0	27.0	30.0	38.9289	90.7458	F
DRCM7	05514860		TMO St Peters	Dardenne Creek	18.0	16.0	16.0	18.0	20.0	23.0	38.8033	90.6350	FH
LSLM7	05514712	#	FFH Lake St Louis	Peruque Creek	8.0	N/A	7.0	8.0	10.0	13.0	38.7869	90.8275	H

\*\*\* MKX - Milwaukee, WI

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
PCNW3	04073365		EWS Princeton	Fox River	9.5	7.5	7.5	9.5	11.0	12.0	43.8511	89.1339	F
BERW3	04073500		EWS Berlin	Fox River	13.0	12.0	12.0	13.0	14.5	16.0	43.9539	88.9522	F
SEBW3	04086000		EWS Sheboygan	Sheboygan River	8.0	6.0	6.0	8.0	10.0	12.0	43.7417	87.7539	FH
FRKW3	04087220		EWS Franklin	Root River	8.0	7.0	7.0	8.0	10.0	12.0	42.8736	87.9958	F
RAYW3	04087233		EWS Raymond	Root River Canal	9.0	7.0	7.0	9.0	11.0	12.0	42.8153	87.9944	F
RACW3	04087240		EWS Racine	Root River	7.0	6.0	6.0	7.0	7.5	8.0	42.7514	87.8236	F
CDRW3	04086500		EWS Cedarburg	Cedar Creek	10.0	9.0	9.0	10.0	11.0	12.0	43.3231	87.9786	F
CEDW3	04086600		EWS Cedarburg 3SE	Milwaukee River	11.0	10.0	10.0	11.0	13.0	14.0	43.2798	87.9429	F
KINW3	04087159		FFH Milwaukee - S 11th St	Kinnickinnic River	16.0	N/A	N/A	16.0	17.0	18.0	42.9975	87.9264	H
WWTW3	04087120		FFH Wauwatosa	Menomonee River	11.0	N/A	8.0	11.0	15.0	18.0	43.0456	87.9997	H
WKEW3	05543830		KDF Waukesha	Fox River	6.0	5.0	5.0	6.0	8.0	10.0	43.0047	88.2436	FH
BRGW3	05545334	#	KDF Burlington	Fox River	11.0	9.0	9.0	11.0	12.0	14.0	42.6800	88.2714	F
NMSW3	05545750		KDF New Munster 2N	Fox River	11.0	10.0	10.0	11.0	13.0	14.0	42.6108	88.2258	F
BUNW3	05415000	#	FFH Hazel Green 3ESE-Buncombe Rd	Galena River	15.0	N/A	14.5	15.0	17.0	19.0	42.5136	90.3778	H
WATW3	05425500		RCK Watertown WWTP	Rock River	5.5	4.0	4.0	5.5	6.0	6.5	43.1881	88.7261	F
MILW3	05426000		RCK Milford	Crawfish River	7.0	5.0	5.0	7.0	9.0	10.0	43.1000	88.8494	F
JFFW3	05426031	#	RCK Jefferson	Rock River	10.0	8.0	8.0	10.0	11.0	13.0	42.9961	88.8072	F
FATW3	05427085		RCK Fort Atkinson	Rock River	16.0	14.5	14.5	16.0	17.0	18.0	42.8833	88.8333	F
NVLW3	05427235		RCK Newville - Lk Koshkonong	Rock River	10.0	9.0	9.0	10.0	11.0	11.5	42.8575	88.9408	F
AFTW3	05430500		RCK Afton - WWTP	Rock River	9.0	8.0	8.0	9.0	11.1	12.2	42.6092	89.0706	FH
CLIW3	05431486		RCK Clinton	Turtle Creek	8.0	6.0	6.0	8.0	10.0	12.0	42.5972	88.8292	F
BOIW3			RCK Beloit 1SE - Hwy 51	Turtle Creek	7.5	6.0	6.0	7.5	10.5	12.5	42.4981	89.0208	F
DARW3	05432500		RCK Darlington WWTP	Pecatonica River	13.5	10.0	10.0	13.5	15.0	16.0	42.6778	90.1186	FH
BCHW3	05433000		RCK Blanchardville 2S	East Branch Pecatonica River	11.0	9.0	9.0	11.0	14.0	16.0	42.7856	89.8611	FH
MTNW3	05434500		RCK Martintown 2E	Pecatonica River	13.5	9.5	9.5	13.5	18.0	21.0	42.5094	89.7994	FH
ALBW3			RCK Albany	Sugar River	12.0	8.0	8.0	12.0	13.0	14.0	42.7058	89.4381	F
BROW3	05436500		RCK Brodhead WWTP	Sugar River	5.0	4.5	4.5	5.0	8.0	10.0	42.6117	89.3981	F
WDEW3	05404000		WIS Wisconsin Dells	Wisconsin River	16.0	13.0	13.0	16.0	17.6	18.9	43.6167	89.7833	F
PORW3			WIS Portage	Wisconsin River	17.0	12.7	12.7	17.0	18.0	19.0	43.5392	89.4736	F
RBGW3	054041665	#	WIS Reedsburg	Baraboo River	14.0	12.0	12.0	14.0	16.0	18.0	43.5325	90.0111	F
RSPW3			WIS Rock Springs	Baraboo River	18.5	13.5	13.5	18.5	21.0	23.0	43.4775	89.9161	F
BBOW3			WIS Baraboo - Shaw St	Baraboo River	9.0	7.0	7.0	9.0	10.5	12.5	43.4708	89.7594	F
BABW3	05405000		WIS Baraboo	Baraboo River	16.0	14.0	14.0	16.0	22.0	23.1	43.4833	89.6333	F
BLEW3	05406500		WIS Black Earth 1E	Black Earth Creek	5.5	5.0	5.0	5.5	7.0	8.0	43.1342	89.7322	F
MAZW3			FFH Mazomanie	Black Earth Creek	10.0	N/A	8.0	10.0	13.0	15.0	43.1764	89.8183	H

\*\*\* MPX - Minneapolis, MN

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
FLCW3	05366500	#	CHP Fall Creek 3N	Eau Claire River	11.0	10.0	10.0	11.0	14.0	17.0	44.8097	91.2806	F
ECLW3	05366800		CHP Eau Claire	Chippewa River	773.0	764.0	764.0	773.0	776.0	778.0	44.8114	91.4983	F
DURW3	05369500		CHP Durand	Chippewa River	13.0	12.0	12.0	13.0	15.5	17.0	44.6308	91.9714	F
PNLM5			FFH Pine Island 1S	Middle Fork Zumbro River	17.0	N/A	16.0	17.0	19.0	21.0	44.1928	92.6492	H
PILM5	05373130	#	FFH Pine Island	N Br Mdl Fk Zumbro River	9.0	N/A	8.0	9.0	11.0	13.0	44.2028	92.6450	H
WGOM5			FFH Wanamingo 1NW	North Fork Zumbro River	18.0	N/A	17.0	18.0	20.0	22.0	44.3125	92.8131	H
DAWM5	05299800	#	MIN Dawson	West Branch Lac Qui Parle River	39.0	36.0	36.0	39.0	40.0	42.0	44.9297	96.0514	F
MVOM5	05311000		MIN Montevideo	Minnesota River	14.0	12.0	12						

MSPM5	05288670	RDW	Fridley - abv 37th Ave NE	Mississippi River	16.0	14.0	14.0	16.0	16.5	17.0	45.0431	93.2794	MF
SAVM5	05330890	#	RDW Savage	Minnesota River	702.0	697.0	697.0	702.0	710.0	712.0	44.7867	93.3344	MEF
STPM5	05331000	RDW	St Paul - Robert St Bridge	Mississippi River	14.0	10.0	10.0	14.0	15.0	17.0	44.9444	93.0881	MEF
HSTM5	05331578	#	RDW Hastings L&D 2	Mississippi River	15.0	13.0	13.0	15.0	17.0	18.0	44.7594	92.8678	MF
MOAM5	05337500	#	RDW Mora	Snake River	11.0	9.0	9.0	11.0	13.0	14.0	45.8639	93.2967	F
STLM5	05341550	RDW	Stillwater	St Croix River	87.0	80.0	80.0	87.0	88.0	89.0	45.0561	92.8039	MF
RDWM5		RDW	Red Wing L&D 3	Mississippi River	680.5	679.5	679.5	680.5	681.5	683.0	44.6103	92.6100	MF
NRFM5	05355024	RDW	Northfield - 2nd St	Cannon River	897.0	895.0	895.0	897.0	899.0	900.0	44.4586	93.1597	F
REDM5	05355250	RDW	Red Wing	Mississippi River	14.0	12.0	12.0	14.0	15.0	16.0	44.5653	92.5425	MF

\*\*\* MQT - Marquette, MI

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
WLKM4	04062400	#	MEN Witch Lake 2S-below Witch Lk	Michigamme River	9.0	8.5	8.5	9.0	10.0	12.0	46.2467	88.0125	F
CRYM4	04061500	#	MEN Crystal Falls 1NW	Paint River	7.0	5.5	5.5	7.0	8.0	9.5	46.1058	88.3347	FH
CHPM4	04062200	#	FFH Champion 4NW	Peshekee River	8.5	N/A	2.5	8.5	11.0	13.0	46.5569	88.0025	H
CSPM4	04060500		FFH Caspian	Iron River	11.0	N/A	10.0	11.0	13.0	15.0	46.0586	88.6272	H
BESM4	04031000	UPM	Bessemer 3NW	Black River	10.0	9.5	9.5	10.0	12.0	14.0	46.5114	90.0744	FH
RKLM4	04040000	UPM	Rockland 2SW	Ontonagon River	25.0	23.0	23.0	25.0	26.0	28.0	46.7208	89.2069	F
SNWM4	04040500	UPM	Sidnaw 9NE	Sturgeon River	12.0	11.0	11.0	12.0	15.0	17.0	46.5842	88.5758	FMBH
ALSM4	04041500	UPM	Alston 5SE	Sturgeon River	8.0	7.5	7.5	8.0	11.0	14.0	46.7264	88.6619	F
HRVM4	04044588	#	UPM Harvey	Chocoley River	10.0	9.5	9.5	10.0	11.5	13.0	46.4958	87.3503	F
GNNM4		UPM	Gwinn 1N	East Branch Escanaba River	7.0	6.5	6.5	7.0	9.0	12.0	46.2781	87.4361	FH
HUMM4	04057800	UPM	Humboldt	Middle Branch Escanaba River	6.5	6.0	6.0	6.5	8.0	9.0	46.4992	87.8864	FH
TRRM4	04043050	FFH	Lake Linden 2NE	Trap Rock River	10.5	N/A	9.5	10.5	12.0	13.5	47.2286	88.3853	H
MSQM4	04056500	FFH	Manistique 6NE	Manistique River	12.0	N/A	11.0	12.0	N/A	N/A	46.0306	86.1611	H
BGLM4	04036000	FFH	Bergland 2E	West Branch Ontonagon River	8.0	N/A	5.0	8.0	N/A	N/A	46.5875	89.5417	H
PAUM4	04033000	FFH	Paulding 6SE	Middle Branch Ontonagon River	12.0	N/A	11.0	12.0	14.0	16.0	46.3569	89.0772	H
FRDM4	04059500	FFH	Hyde 2N	Ford River	8.0	N/A	6.0	8.0	11.0	13.0	45.7556	87.2014	H
SLVM4	04043150	FFH	L'Anse 7NE	Silver River	14.0	N/A	13.0	14.0	17.0	19.0	46.8042	88.3169	H
NJNM4	04057510	FFH	Nahma Junction 3N	Sturgeon River	10.0	N/A	8.0	10.0	14.0	16.0	45.9431	86.7056	H

\*\*\* PAH - Paducah, KY

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NWSLI	USGS ID	Group	Station Name	River Name	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
PLMI2	05597000	KBM	Plumfield	Big Muddy River	20.0	18.0	18.0	20.0	27.0	34.0	37.8914	89.0194	F
MURI2	05599490	KBM	Murphysboro 2SW-WWTP & Rte 127	Big Muddy River	22.0	20.0	20.0	22.0	28.0	36.0	37.7583	89.3278	F

NCRFC active data points by HSA

Generated Tuesday July 09 2024

# - Not currently an active realtime USGS Surface Water Station.

\*\*\* ABR - Aberdeen, SD

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NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
BCPS2	05289985	#	MINDATA Peever 4S	Big Coulee Creek	45.4872	96.9572
BSTS2			MINDATA Big Stone City 2NW	Minnesota River	45.2995	96.4997
BGCS2	05291000	MINDATA	Big Stone City 2W	Whetstone River	45.2922	96.4872
WHRM5	05050000	REDDATA	White Rock Dam (Wheaton 5NW)/Mud Lk	Boix De Sioux River	45.8625	96.5736
HRMM5	05047490	#	REDDATA Herman 6W	Fivemile Creek	45.8033	96.2586
TRAM5	05049710	#	REDDATA Browns Valley 15NE-Reservation Dam	Lake Traverse	45.7689	96.6383
MLWM5		REDDATA	Mud Lake Near Wheaton 4NW	Mud Lake	45.8358	96.5728
WEAM5	05049000	REDDATA	Wheaton - Hwy 75	Mustinka River	45.8208	96.4906
TMCM5		REDDATA	Wheaton 8NE - CSAH14	Twelvemile Creek	45.8606	96.3589
DUMM5	05047850	#	REDDATA Dumont 4E	Twelve Mile Creek	45.7161	96.3486
DMTM5		REDDATA	Dumont	West Branch 12 Mile Creek	45.7161	96.4222

\*\*\* APX - N. Central Lower Michigan, MI

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NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
VGCM4	04121300	GNDDATA	Vogel Center	Clam River	44.2006	85.0528
LPNM4		NLMMDATA	Alpena		45.0633	83.4283
ASBM4	04137500	NLMMDATA	Au Sable 5WNW	Au Sable River	44.4363	83.4339
CSVM4	04137005	NLMMDATA	Curtisville 3E	Au Sable River	44.5608	83.8028
MIOM4	04136500	NLMMDATA	Mio	Au Sable River	44.6600	84.1311
MULM4	04130000	NLMMDATA	Cheboygan 5S	Cheboygan River	45.5772	84.4875
EJJM4	04127800	NLMMDATA	East Jordan 4SSE	Jordan River	45.1025	85.0981
GYMM4	04123500	#	NLMMDATA Grayling	Manistee	44.6931	84.8472
MSKM4	04124200	NLMMDATA	Mesick 6SW - Hodenpyl Dam	Manistee River	44.3631	85.8208
WLSM4	04125550	NLMMDATA	Wellston 3NNE - Below Tippy Dam	Manistee River	44.2594	85.9394
SVRM4	04128990	NLMMDATA	Vanderbilt 10E - Sturgeon Valley Rd	Pigeon River	45.1567	84.4667
HOXM4	04125460	NLMMDATA	Hoxeyville 3W	Pine River	44.1933	85.7697
HONM4	04126740	NLMMDATA	Honor 1W	Platte River	44.6681	86.0347
LUZM4	04135700	NLMMDATA	Luzerne 9W	South Branch Au Sable River	44.6147	84.4556
WOLM4	04127997	NLMMDATA	Wolverine	Sturgeon River	45.2744	84.6000
BOLM4	04133501	NLMMDATA	Bolton 5SW	Thunder Bay River	45.1242	83.6356
BEVM4	04152238	SMWDATA	Beaverton 3WSW	South Branch Tobacco River	43.8669	84.5453

\*\*\* ARX - La Crosse, WI

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NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
ASNMS	05457000	CIWDATA	Austin 3S	Cedar River	43.6372	92.9744
OSGI4	05457505	#	CIWDATA Osage 2W	Cedar River	43.2836	92.8525
IONI4	05458000	CIWDATA	Ionina 2W	Little Cedar River	43.0333	92.5033
ELRI4		M10DATA	West Union 5NW (Near Eldorado)	Little Turkey River	43.0089	91.8694
AMAW3		M10DATA	Alma (Pool 5 CP)	Mississippi River	44.2842	91.9267
BRWM5	05386400	M10DATA	Brownsville	Mississippi River	43.6867	91.2725
CLAI4	05411500	M10DATA	Clayton (Pool 10 CP)	Mississippi River	42.9036	91.1458
DKTM5		M10DATA	Dakota (Pool 7 CP)	Mississippi River	43.9139	91.3583
ELGI4	05411900	#	M10DATA Elgin	Otter Creek	42.9522	91.6428
HKHM5		M10DATA	Hokah WWTP	Root River	43.7661	91.3447
MDPM5		M10DATA	Mound Prairie	Root River	43.7814	91.4464
RPMMS	05383950	M10DATA	Pilot Mound 2S	Root River	43.7847	92.0300
RSFM5	05384350	M10DATA	Rushford 2W	Root River	43.7978	91.8039
OXBM5		M10DATA	Post Town /ALERT/	S Br Mdl Fk Zumbro River	44.0908	92.6361
CMAM5		M10DATA	Carimona	South Branch Root River	43.6603	92.1544
HUSM5	05385500	M10DATA	Houston 2S	South Fork Root River	43.7386	91.5639
SFZM5		M10DATA	Rochester 5SW - CR104	South Fork Zumbro River	43.9792	92.5583
CMTI4		M10DATA	Clermont	Turkey River	42.9975	91.6583
EDRI4	05411850	M10DATA	Eldorado 1E	Turkey River	43.0542	91.8089
FAYI4	05412340	#	M10DATA Fayette 1W	Volga River	42.8442	91.8181
VLPI4	05412400	M10DATA	Littleport	Volga River	42.7539	91.3689
BVRM5	05376800	#	M10DATA Beaver	Whitewater River	44.1508	92.0050
YRII4	05389000	M10DATA	Ion	Yellow River	43.1119	91.2650
KELM5	05374900	M10DATA	Kellogg	Zumbro River	44.3122	92.0039
LKZM5		M10DATA	Zumbro Falls 6SW-Lk Zumbro	Zumbro River	44.2128	92.4800
HAAW3		WISDATA	Hatfield 4NE - Hwy 95 Brdg	Black River	44.4653	90.6767
HATW3	05381180	#	WISDATA Hatfield Hydro Plant	Black River	44.3892	90.7603
HEFW3		WISDATA	Hatfield 4E - East Fork Rd	East Fork Black River	44.4178	90.6397
LCRW3	05383075	WISDATA	La Crosse 4NE	La Crosse River	43.8565	91.2062
SPAW3	05382325	WISDATA	Sparta	La Crosse River	43.9375	90.8106
WSAW3	05383000	#	WISDATA West Salem	La Crosse River	43.9008	91.1183
NLSW3	05403500	WISDATA	New Lisbon	Lemonweir River	43.8797	90.1611
PETW3	05401400	#	WISDATA Necedah 3NE-Petenwell Dam	Wisconsin River	44.0575	90.0219
YELW3	05363600	#	WISDATA Perkinstown	North Fork Yellow River	45.2986	90.5965

\*\*\* BIS - Bismark, ND

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NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
BRDQ8		SRSDATA	Estevan 3W	Boundary Rsvr Diversion Canal	49.1475	103.1086



CKEQ8		SRSDATA	Goodwater 7SE	Cooke Creek	49.3519	103.6131
UPHN8	05123510	SRSDATA	Upham 6W	Deep River	48.5842	100.8622
CLBN8	05113750	SRSDATA	Columbus 6N (Rsvr)	East Branch Short Creek	48.9906	102.7853
RADQ8		SRSDATA	Radville 6NW	Gibson Creek	49.4839	104.3364
JEWQ8		SRSDATA	Goodwater 1SSW	Jewel Creek	49.3861	103.7117
LCKQ8		SRSDATA	Estevan 2S	Long Creek	49.1042	103.0133
BNDQ8		SRSDATA	Estevan 3SSW - Boundary Rsvr	Long Creek	49.0969	103.0244
NOON8	05113600	SRSDATA	Noonan 7NNW	Long Creek	48.9811	103.1589
TORQ8	05113360	# SRSDATA	Torquay 12SE (Western Crossing)	Long Creek	49.0003	103.3522
ALAQ8		SRSDATA	Alameda 8E - Grant Devine Rsvr	Moose Mountain Creek	49.2603	102.2286
MALQ8		SRSDATA	Manor 18SW - Abv Alameda Rsvr	Moose Mountain Creek	49.5228	102.1697
MMOQ8		SRSDATA	Oxbow 8WNN	Moose Mountain Creek	49.2328	102.2281
CRNQ8		SRSDATA	Corning 14SSW - Moose Mtn Lk	Moose Mountain Lake	49.8936	103.0303
MOSQ8		SRSDATA	Halbrite 2W	Mosely Creek	49.4944	103.6294
SCAQ8		SRSDATA	Alameda 2N	Shepherd Creek	49.3472	102.2569
SHTQ8	05113800	# SRSDATA	Roche Percee 8SW	Short Creek	49.0311	102.8492
SBRQ8		SRSDATA	Estevan 2W - Blo Rafferty Rsvr	Souris River	49.1433	103.0822
RAFQ8		SRSDATA	Estevan - Rafferty Rsvr	Souris River	49.1461	103.0939
DARN8	05115500	# SRSDATA	Foxholm - Lk Darling	Souris River	48.4575	101.5872
HALQ8		SRSDATA	Halbrite 13W	Souris River	49.4936	103.6622
VRNN8	05120000	SRSDATA	Verendrye	Souris River	48.1597	100.7292
WNLQ8		SRSDATA	Weyburn 7SSE - Nickle Lk	Souris River	49.5756	103.7689
TATQ8		SRSDATA	Weyburn 5SW	Tatagwa Lake Drain	49.5994	103.9472
YLWQ8		SRSDATA	Yellowgrass 16SE	Yellow Grass Ditch	49.7864	104.0378
HVYN8	05054500	TNDDATA	Harvey 5S	Sheyenne River	47.7028	99.9486

*** DLH - Duluth, MN ***						
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
POW3	05357335	CHPDATA	Powell 2SW	Bear River Nr Manitowish Waters	46.0489	89.9844
WER3	05356000	CHPDATA	Winter 4NW - Bishops Brdg	Chippewa River	45.8492	91.0789
SFFW3	05359500	CHPDATA	Phillips 10W	South Fork Flambeau River	45.7034	90.6158
WTNM5	05127500	LOWDATA	Winton 14NE	Basswood River	48.0819	91.6528
BIFM5	05132000	LOWDATA	Big Falls	Big Fork River	48.1958	93.8069
DKAM5		LOWDATA	Babbitt 4E	Dunka River	47.6986	91.8683
DRBM5		LOWDATA	Babbitt 6SE	Dunka River	47.6489	91.8492
FLSM5	05124990	# LOWDATA	Ely 9SE	Filson Creek	47.8347	91.6742
KAWM5	05124480	LOWDATA	Ely 14E	Kawishiwi River	47.9228	91.5350
GDNM5	05127000	# LOWDATA	Winton 1E - Garden Lake	Kawishiwi River	47.9336	91.7642
LCBM5		LOWDATA	Babbitt 5ESE	Langley Creek	47.6661	91.8589
LDNM5		LOWDATA	Linden Grove	Little Fork River	47.8586	92.8700
RNYM5	05129515	LOWDATA	International Falls (below)	Rainy River	48.5922	93.4467
MNUM5	05133500	LOWDATA	Manitou Rapids 4W	Rainy River	48.6344	93.9131
BISM5		LOWDATA	Babbitt 9NE - Birch Lk	South Kawishiwi River	47.8161	91.7847
IRNM5		LOWDATA	Ely 2E - White Iron Lk	South Kawishiwi River	47.8961	91.7883
SKWM5	05126210	LOWDATA	Ely 5SE-Abv White Iron Lk	South Kawishiwi River	47.8419	91.7989
BOYM5		RDWDATA	Boy River 6S	Boy River	47.0808	94.0981
PLLM5		RDWDATA	Pillager	Crow Wing River	46.3158	94.4847
PLGM5	05247500	RDWDATA	Pillager 5SE - Sylvan Dam	Crow Wing River	46.3050	94.3772
SYLM5		RDWDATA	Pillager 5SE - Sylvan Dam	Crow Wing River	46.3047	94.3775
GLKM5		RDWDATA	East Gull Lake - Gull Lk	Gull River	46.4111	94.3594
GLLM5	05247000	# RDWDATA	Gull Lake Dam (Brainerd 9NW)	Gull River	46.4111	94.3533
SANM5	05336700	RDWDATA	Sandstone	Kettle River	46.1056	92.8639
LEEM5	05205900	RDWDATA	Federal Dam 5SW - Sugar Point	Leech Lake	47.1706	94.2867
LLRM5	05207500	# RDWDATA	Ball Club 5SSW - Abv Mud Lk Dam	Leech Lake River	47.2708	93.9489
FEDM5	05206000	# RDWDATA	Leech Lake Dam	Leech Lake River	47.2467	94.2228
WILM5	05207600	RDWDATA	Ball Club 2SE (Willow Beach)	Mississippi River	47.3025	93.9014
WNB5	05201500	# RDWDATA	Ball Club 9NW-Lk Winnibigosh (Dam)	Mississippi River	47.4295	94.0515
DAYM5	05210000	RDWDATA	Cohasset 9W (Days High Landing)	Mississippi River	47.2519	93.8000
MGRM5	05211000	RDWDATA	Grand Rapids	Mississippi River	47.2333	93.5232
POKM5		RDWDATA	Grand Rapids 3W/CR63-Pokegama Lake	Mississippi River	47.2353	93.6111
PKGM5	05210700	# RDWDATA	Grand Rapids 3WNW-Pokegama Dam	Mississippi River	47.2508	93.5861
ATDM5	05227530	RDWDATA	Aitkin 4NNE	Mississippi River Diversion	46.5917	93.6869
LEOW3	05331833	RDWDATA	Cable 3SW (Leonards)	Namekagon River	46.1714	91.3292
TGOW3	05332500	# RDWDATA	Trego 4NW	Namekagon River	45.9481	91.8881
NOKM5		RDWDATA	Ft Ripley 3NE - Nokasippi River	Nokasippi River	46.2000	94.3178
CRLM5	05231000	# RDWDATA	Cross Lake Dam	Pine River	46.6692	94.1122
PRJM5		RDWDATA	Jenkins 4NNE	Pine River	46.6936	94.3042
MISM5		RDWDATA	Mission 2SSE	Pine River	46.5714	94.0278
PGRM5		RDWDATA	Grand Rapids	Prairie River	47.2447	93.4871
PRAM5	05213000	# RDWDATA	Grand Rapids 4N	Prairie River	47.2853	93.4978
SDYM5	05218500	# RDWDATA	Libby - Sandy Lake Dam	Sandy River	46.7889	93.3194
MCGM5		RDWDATA	McGrath 2SE	Snake River	46.2167	93.2406
GTBW3	05336000	# RDWDATA	Grantsburg	St Croix River	45.9236	92.6397
JACM5		RDWDATA	Jacobson 4NE	Swan River	47.0322	93.1933
PLSM5	05221020	# RDWDATA	Palisade	Willow River	46.7347	93.4850
BADW3	04026450	# WLSDATA	Mellen 4SSW	Bad River	46.2706	90.7072
BAPM5	04014500	# WLSDATA	Illgen City	Baptism River	47.3378	91.2000
FLRM5		WLSDATA	Fredenberg 2SW-Fish Lake Rsvr	Beaver River	46.9564	92.2789
WRLM5		WLSDATA	Fredenberg 5SSE-Wild Rice Lake Dam	Beaver River	46.9094	92.1625
BR3W3	04025500	WLSDATA	Brule Ranger Station	Bois Brule River	46.5378	91.5953
CQBM5		WLSDATA	Brimson 2SE	Cloquet River	47.2603	91.8453
CQRM5		WLSDATA	Burnett	Cloquet River	46.8958	92.5150
ALDM5		WLSDATA	Fredenberg 10NE-Alden Lake	Cloquet River	47.0581	92.0275
ILRM5		WLSDATA	Fredenberg 1NNW-Island Lake	Cloquet River	46.9919	92.2258
FLDM5		WLSDATA	Floodwood 3NE	Floodwood River	46.9275	92.9150
NEMM5		WLSDATA	Wrenshall 7S	Nemadji River	46.5175	92.3897
MOQW3	040263491	# WLSDATA	Moquah 2SE	North Fish Creek	46.5489	91.0619
BLRM5	04022750	# WLSDATA	Fredenberg 3NW-Boulder Lake Rsvr	Otter River	47.0528	92.2000
PARM5	04015447	# WLSDATA	Babbitt 6S	Partridge River	47.6194	91.9256
HYLM5		WLSDATA	Hoyt Lakes 2NW - Colby Lk	Partridge River	47.5417	92.1678
GDPM5	04010500	WLSDATA	Grand Portage & 5NE - Middle Falls	Pigeon River	48.0122	89.6161
POPM5		WLSDATA	Lutsen 2WSW	Poplar River	47.6403	90.7108
SCCM5		WLSDATA	Aurora 3NE	Second Creek	47.5236	92.1933
SUSW3	04026157	# WLSDATA	Cornucopia 3S	SISKIWIT	46.8048	91.0930
STUM5		WLSDATA	Two Harbors 3NNW	Stewart River	47.0710	91.6887
FDWM5		WLSDATA	Floodwood	St Louis River	46.9289	92.9044
FOBM5		WLSDATA	Forbes 4ESE	St Louis River	47.3672	92.5044
SCAM5		WLSDATA	Scanlon - Dam	St Louis River	46.7086	92.4169
BKNM5	04021520	WLSDATA	Brookston 7SW (Pine Dr)	Stony Brook	46.7817	92.6367
MRKM5		WLSDATA	Markham 2SE - Whiteface Rsvr	Whiteface River	47.2817	92.1886
WHRW3	04027500	WLSDATA	Ashland 6S	White River	46.4972	90.9042
WTLW3	040263205	WLSDATA	Ashland 4WNW	Whittlesey Creek	46.5944	90.9631
WYMM5		WLSDATA	Wymann Creek nr Hoyt Lakes 6NE	Wymann Creek	47.5910	92.0740

*** DMX - Des Moines, IA ***						
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
WVLI4	05458300	CIWDATA	Waverly	Cedar River	42.7372	92.4700
TOLI4	05451800	# CIWDATA	Toledo 1NW	Deer Creek	42.0000	92.5886
STBI4	05450400	# CIWDATA	Steamboat Rock	Iowa River	42.4081	93.0728
TAMI4	05451810	# CIWDATA	Tama	Iowa River	41.9531	92.5767
HAVI4	05451900	CIWDATA	Haven 1NE	Richland Creek	41.8994	92.4742
EBRI4	05452000	CIWDATA	Elberon 3S	Salt Creek	41.9642	92.3131
NTWI4	05459000	# CIWDATA	Northwood 2S	Shell Rock River	43.4142	93.2206
NPVI4	05451210	CIWDATA	New Providence 2NE	South Fork Iowa River	42.3150	93.1522
MASI4	05459490	CIWDATA	Mason City	Spring Creek	43.2133	93.2108
MTWI4	05451700	CIWDATA	Marshalltown 4SE	Timber Creek	42.0089	92.8522
HRTI4	05452200	CIWDATA	Hartwick 4NW	Walnut Creek	41.8350	92.3861
KSYI4	05458875	# CIWDATA	Kesley 3NNE - T25 Hwy	West Fork Cedar River	42.7039	92.8889
DYSI4	05464220	CIWDATA	Dysart 3N	Wolf Creek	42.2514	92.2986
WWDI4	05481860	# DESDATA	Woodward 4SW	Beaver Creek	41.8006	93.9406
GLDI4	05480820	DESDATA	Goldfield 2SW	Boone River	42.7244	93.9467
GJTI4	05483210	# DESDATA	Grand Junction 3W	Buttrick Creek	42.0181	94.2944
PELI4	05488100	# DESDATA	Pella 4WSW-Red Rock Dam	Des Moines River	41.3697	92.9800
RRDI4	05488110	DESDATA	Pella 5SW - Red Rock Lk (TW)	Des Moines River	41.3647	92.9758

SDTI4	05481650	DESDATA	Saylorville 2W-Saylorville Lk (TW)	Des Moines River	41.6806	93.6681
SAYI4	05481630	# DESDATA	Saylorville 3WNW (Dam)	Des Moines River	41.7036	93.6892
SWNI4	05487520	DESDATA	Swan	Des Moines River	41.4894	93.2783
TRCI4	05488500	DESDATA	Tracy 1NE	Des Moines River	41.2814	92.8594
KECI4	05488200	DESDATA	Knoxville 3E	English Creek	41.3006	93.0453
FLZI4	05480080	DESDATA	Fort Dodge 4NW	Lizard Creek	42.5292	94.2567
BAYI4	05483450	DESDATA	Bayard 6SE	Bayard Raccoon River	41.7786	94.4925
PANI4	05483600	DESDATA	Panora	Middle Raccoon River	41.6872	94.3708
PNLI4	05483470	DESDATA	Panora - Lk Panorama	Middle Raccoon River	41.6872	94.3814
LKCI4	05482430	DESDATA	Lake City 7S	North Raccoon River	42.1689	94.7261
SCRI4	05482300	DESDATA	Sac City 5S	North Raccoon River	42.3544	94.9906
RLFI4	05476735	DESDATA	Rolfe 3E	Pilot Creek	42.8058	94.4622
WDMI4	05484600	DESDATA	West Des Moines	Raccoon River	41.5317	93.7817
DLI4	05487980	DESDATA	Dallas 2NW	White Breast Creek	41.2467	93.2903
GLBI4		SSLDATA	Gilbert	Montgomery Creek	42.1314	93.7566
BMFI4	05494300	TMODATA	Bloomfield 1N	Fox River	40.7694	92.4186

\*\*\* DTX - Detroit, MI \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
MEMM4	04160600	SMSDATA	Memphis	Belle River	42.9008	82.7692
AHCM4	04161000	SMSDATA	Auburn Heights	Clinton River	42.6333	83.2244
CSHM4	04161820	SMSDATA	Sterling Heights	Clinton River	42.6144	83.0267
MFHM4	04170000	SMSDATA	Milford 2SW	Huron River	42.5789	83.6267
NHHM4	04170500	# SMSDATA	New Hudson 3W	Huron River	42.5125	83.6764
KTLM4	04170490	# SMSDATA	New Hudson 3W - Kent Lk	Huron River	42.5125	83.6761
MBCM4	04164800	SMSDATA	Macomb	Middle Branch Clinton River	42.7064	82.9592
GPEM4	04176500	SMSDATA	Grape	River Raisin	41.9606	83.5311
MCHM4	04175600	SMSDATA	Manchester WWTP	River Raisin	42.1500	84.0167
SALM4	04176400	SMSDATA	Saline WWTP	Saline River	42.1303	83.7758
WAHM4	04150800	SMWDATA	Wahjamega	Cass River	43.4506	83.4414
FOSM4	04149000	# SMWDATA	Fosters 1S	Flint River	43.3000	83.9497
OTSM4	04147500	SMWDATA	Otisville 4S	Flint River	43.1111	83.5194
CASM4	04159010	SMWDATA	Caseville 2E	Pigeon River	43.9394	83.2417
ESVM4	04157070	# SMWDATA	Essexville 3N - Alpin Beach	Saginaw River (mouth)	43.6414	83.8467
CHSM4	04144600	# SMWDATA	Chesaning	Shiawassee River	43.1844	84.1147
SAFM4	04153300	SMWDATA	Sanford - Dam	Tittabawassee River	43.6772	84.3825

\*\*\* DVN - Quad Cities, IA \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
LADI4	05453000	CIWDATA	Ladora	Big Bear Creek	41.7494	92.1819
OXFI4	05454220	CIWDATA	Oxford 3E	Clear Creek	41.7183	91.7400
BPLI4	05452500	CIWDATA	Belle Plaine 3S	Iowa River	41.8591	92.2779
CRVI4	05453510	# CIWDATA	Coralville - Coralville Dam	Iowa River	41.7253	91.5353
CTWI4	05453520	CIWDATA	Coralville - Coralville Dam TW	Iowa River	41.7219	91.5278
NEPI4	05455270	# CIWDATA	North English 4E (Near Parnell)	North Fork English River	41.5263	91.9894
NWBI2	05466500	MI9DATA	New Boston	Edwards River	41.1875	90.9681
FMDI4		MI9DATA	Fort Madison	Mississippi River	40.6283	91.2956
PENI2	05444000	RCKDATA	Penrose	Elkhorn Creek	41.9028	89.6961

\*\*\* EAX - Kansas City/Pleasant Hill, MO \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
BOZM7	06909000	# MISDATA	Boonville	Missouri River	38.9783	92.7536

\*\*\* FGF - Eastern North Dakota, ND \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
CFCN8	05056265	DEVDATA	Churchs Ferry 1SE - Hwy 2	Big Coulee	48.2617	99.1872
DLCN8	05056241	DEVDATA	Penn 5E	Dry Lake	48.2144	98.9831
EDEN8	05056200	DEVDATA	Edmore	Edmore Coulee	48.3372	98.6592
ECTN8	05056215	DEVDATA	Edmore 9E	Edmore Coulee Trib	48.2664	98.6822
LEDN8	05056340	DEVDATA	Leeds 4SE	Little Coulee	48.2436	99.3731
MAVN8	05056019	# DEVDATA	Cando 4E	Mauvais Coulee	48.4864	99.1119
CNDN8	05056100	DEVDATA	Cando 6SE	Mauvis Coulee	48.4481	99.1022
MCTN8	05056060	DEVDATA	Cando 2S	Mauvis Coulee Trib No.3	48.4578	99.2233
DLBN8	05056222	DEVDATA	Webster 2SE	Morrison Lake	48.2597	98.8467
WEBN8	05056239	DEVDATA	Webster	Starkweather Coulee	48.3203	98.9397
EWRM5		LOWDATA	Roosevelt 6SSW	East Branch Warroad River	48.7253	95.1336
WHPM5		LOWDATA	Wheeler's Point	Rainy River	48.8303	94.7050
BRRM5	05134200	LOWDATA	Baudette 12S	Rapid River	48.5361	94.5625
CLEM5		LOWDATA	Clementson	Rapid River	48.6903	94.4331
NIMM5	05244000	RDWDATA	Nimrod	Crow Wing River	46.6403	94.8789
LFEM5	05244440	# RDWDATA	Aldrich 7NE - CSAH29	Leaf River	46.4567	94.8414
MSBM5		RDWDATA	Bemidji 2SW	Mississippi River	47.4508	94.9067
BEMM5	05200510	RDWDATA	Bemidji 4E	Mississippi River	47.4833	94.7278
KNUM5		RDWDATA	Pennington 2S - Cass Lk	Mississippi River	47.4517	94.4831
PRKM5	05243725	RDWDATA	Park Rapids 3S-US Hwy 71	Straight River	46.8750	95.0656
DORM5	05051300	REDDATA	Doran	Bois De Sioux River	46.1522	96.5789
ELMN8		REDDATA	Grandin 1N	Elm River	47.2461	97.0047
NOPM5		REDDATA	Tintah 3SE - North Ottawa Impoundment	Judicial Ditch No. 2	45.9917	96.2569
NCMM5		REDDATA	Norcross 1NW	Mustinka River	45.8869	96.2136
BROM5		REDDATA	Breckenridge 11th St	Otter Tail River	46.2744	96.5800
ELZM5	05030500	REDDATA	Elizabeth 6E	Otter Tail River	46.3694	96.0172
OTRM5	05046000	REDDATA	Fergus Falls 7SW-Orwell Dam (TW)	Otter Tail River	46.2097	96.1847
ORWM5	05045950	# REDDATA	Orwell Dam	Otter Tail River	46.2153	96.1778
BTWM5	05046475	REDDATA	Breckenridge	Otter Tail River Diversion	46.2825	96.5822
JAHM5		REDDATA	Campbell 4W	Rabbit River	46.1117	96.4928
EMRQ3	05102500	# REDDATA	Emerson	Red River	49.0039	97.2239
ENLN8	0505152130	REDDATA	Abercrombie 3N (Enloe)	Red River of the North	46.4989	96.7389
TPNN8	05070000	REDDATA	Thompson 8E	Red River of the North	47.7589	96.9436
MDRN8	05052000	REDDATA	Mantador 2W	Wild Rice River	46.1728	97.0106
FWRN8	05051600	REDDATA	Rutland 2S	Wild Rice River	46.0222	97.5111
STBN8	05053500	# REDDATA	St Benedict 2SSW ( I-29 )	Wild Rice River	46.7119	96.8308
NOTM5		TMNDATA	Northcote 3E		48.8473	96.9309
SAUM5	05073650	# TMNDATA	Saum 3SW - Lwr Red Lk	Battle River Mouth	47.9597	94.7431
BRGM5	05062090	# TMNDATA	Georgetown 3SE	Buffalo River	47.0497	96.7536
BGLM5		TMNDATA	Glyndon 2N	Buffalo River	46.8972	96.5769
KRGM5		TMNDATA	Kragnes 3ESE	Buffalo River	46.9775	96.6911
PLUM5	05078000	TMNDATA	Plummer 1NW	Clearwater River	47.9167	96.0333
RGLM5	05078500	TMNDATA	Red Lake Falls	Clearwater River	47.8861	96.2767
OKLM5	05078230	TMNDATA	Oklee	Lost River	47.8431	95.8583
AGYM5	05087500	TMNDATA	Argyle	Middle River	48.3403	96.8161
NCTM5		TMNDATA	Northcote 1SW	North Branch Two Rivers	48.8328	97.0200
FSHM5	05080000	TMNDATA	Fisher	Red Lake River	47.8003	96.8086
RRDM5	05074500	TMNDATA	High Landing 20E - Lwr Red Lk	Red Lake River	47.9575	95.2764
RLFM5		TMNDATA	Red Lake Falls	Red Lake River	47.8967	96.2731
TRFM5	05076500	# TMNDATA	Thief River Falls	Red Lake River	48.1144	96.1792
CARM5	05112000	TMNDATA	Lancaster 15NE (Caribou)	Roseau River	48.9817	96.4628
RSSM5	05107500	TMNDATA	Ross	Roseau River	48.9103	95.9217
SRFM5		TMNDATA	Fertile 3WSW	Sandhill River	47.5142	96.3417
SRBM5	05085430	# TMNDATA	Radium 2WNW - Retention Pond	Snake River	48.2419	96.5569
SBGM5		TMNDATA	Glyndon 3SW	South Branch Buffalo River	46.8479	96.6149
LKBM5	05094000	TMNDATA	Lake Bronson Below Bronson Lk	South Branch Two Rivers River	48.7325	96.6672
FLTM5	05063398	TMNDATA	Felton 8NE - Cr 27	South Branch Wild Rice River	47.1133	96.3858
SRGM5	05106000	TMNDATA	Roseau 10NNE	Sprague Creek	48.9925	95.6619
TRSM5	05091500	# TMNDATA	Stephen 5NW	Tamarac River	48.4919	96.9550
HLTM5		TMNDATA	Holt 6E - Co Hwy 7	Thief River	48.3003	96.0708
TRRM5	05076000	TMNDATA	Thief River Falls 5N	Thief River	48.1856	96.1697
WSKM5	05073500	TMNDATA	Waskish 4NE & Upper Red Lk	Upper Red Lake	48.1756	94.5142
ADSM5	05063000	# TMNDATA	Ada 2S	Wild Rice River	47.2625	96.5000
MWRM5	05062440	# TMNDATA	Mahnomen 1SE	Wild Rice River	47.3111	95.9522
DBCN8	05057200	TMNDATA	Dazey 5NE	Baldhill Creek	47.2292	98.1244
FBCN8	05064900	# TMNDATA	Finley 8NE	Beaver Creek	47.5944	97.7050
FDVN8	05084000	TMNDATA	Fordville 3SE	Forest River	48.1972	97.7303



PRTN8	05065500	TNDDATA	Portland 5NW	Goose River	47.5389	97.4556
LPRN8	05099400	TNDDATA	Walhalla 6S	Little South Pembina River	48.8653	98.0056
PRSN8	05060570	# TNDDATA	Prosper 2SE	Lower Branch Rush River	46.9417	96.9883
BOBN8	05059600	TNDDATA	Hope 3W	Maple River	47.3247	97.7892
MAPN8	05060100	TNDDATA	Mapleton 1N	Maple River	46.9056	97.0528
MRDN8	05059715	TNDDATA	Sheldon 6NNE - Maple River Dam	Maple River	46.6847	97.4581
MBCQ3		TNDDATA	Mowbray 2E	Mowbray Creek	49.0006	98.4553
GRNN8	05090000	TNDDATA	Grafton	Park River	48.4247	97.4117
GFBN8	05089995	TNDDATA	Grafton Bypass	Park River	48.4350	97.4153
PCCQ3		TNDDATA	Glenora 6ESE-below Crystal Creek	Pembina River	49.2217	99.0358
PLRQ3		TNDDATA	La Riviere	Pembina River	49.3158	98.6794
WNDQ3	05099300	# TNDDATA	Windygates 3NE	Pembina River	49.0314	98.2778
AMEN8	05060500	TNDDATA	Amenia 1N	Rush River	47.0167	97.2139
PRPN8	05060550	# TNDDATA	Prosper 1W	Rush River	46.9664	97.0514
BRMN8	05055400	TNDDATA	Bremen 7NE	Sheyenne River	47.8214	99.2761
CPRN8	05057000	TNDDATA	Cooperstown 4E	Sheyenne River	47.4336	98.0286
CPPN8	05056995	TNDDATA	Cooperstown 5E	Sheyenne River	47.4392	98.0192
FLRN8	05055300	TNDDATA	Flora 4SSE	Sheyenne River	47.9078	99.4158
FRSN8	05058650	# TNDDATA	Fort Ransom	Sheyenne River	46.5455	97.9299
HRCN8	05059300	TNDDATA	Horace 1SW (abv Diversion)	Sheyenne River	46.7464	96.9603
HORN8	05059310	TNDDATA	Horace - Sheyenne River Diversion	Sheyenne River	46.7517	96.9258
GOLN8	05058980	TNDDATA	Kindred 2SW - Gol Bridge	Sheyenne River	46.6033	97.0322
BHTN8	05058000	TNDDATA	Valley City 8NW-Baldhill Dam (TW)	Sheyenne River	47.0322	98.0856
BLDN8	05057500	# TNDDATA	Valley City 9NW-Baldhill Dam	Sheyenne River	47.0358	98.0828
WRWN8	05056000	TNDDATA	Warwick 3S	Sheyenne River	47.8056	98.7158
WSFN8	05059500	TNDDATA	West Fargo 1N	Sheyenne River	46.8911	96.9067
MADN8	05055260	# TNDDATA	Maddock 5S	Sheyenne River	47.8906	99.5328
SFCQ3		TNDDATA	Snowflake 2S	Snowflake Creek	49.0206	98.6036
PKRN8	05089000	# TNDDATA	Park River 2W	South Branch Park River	48.4019	97.7819
HOMN8	05088500	# TNDDATA	Park River 2W-Homme Dam (HP)	South Branch Park River	48.4056	97.7861
AKRN8	05101000	TNDDATA	Akra 1W	Tongue River	48.7783	97.7453

*** GRB - Green Bay, WI ***						
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
ERBW3	04085138	# EWSDATA	East River at Green Bay	East River	44.5091	87.9917
EMBW3	04078500	EWSDATA	Embarrass 4NW	Embarrass River	44.7247	88.7361
GBYW3	040851385	EWSDATA	Green Bay - Oil Tank Depot	Fox River	44.5286	88.0100
MNSW3	04084411	# EWSDATA	Menasha - Lk Winnebago (Dam)	Fox River	44.2036	88.4250
OSSW3	04082400	EWSDATA	Oshkosh	Fox River	44.0136	88.5408
OSHW3	04082500	EWSDATA	Oshkosh - Lk Winnebago	Fox River	44.0097	88.5272
GBWW3		EWSDATA	Green Bay	Green Bay	44.5411	88.0072
KEWW3	04085200	EWSDATA	Kewaunee 3W	Kewaunee River	44.4583	87.5564
SBYW3		EWSDATA	Southern Bay of Green Bay Bouy	Lake Michigan	44.8020	87.6370
STKW3	04084255	EWSDATA	Stockbridge	Lake Winnebago	44.0714	88.3311
MTWW3	04085427	EWSDATA	Manitowoc 2W	Manitowoc River	44.1072	87.7153
GILW3	04071000	EWSDATA	Gillett 2S	Oconto River	44.8647	88.3000
ATHW3	04067958	EWSDATA	Athelstane 12W	Peshtigo River	45.3878	88.3050
CRIW3	04068000	# EWSDATA	Crivitz - High Falls Dam	Peshtigo River	45.2783	88.1978
PESW3	04069500	EWSDATA	Peshtigo	Peshtigo River	45.0469	87.7444
PFDW3	04069416	EWSDATA	Porterfield	Peshtigo River	45.1433	87.8006
MORW3	04077630	EWSDATA	Gresham 4NW (Morgan)	Red River	44.8981	88.8442
SBCW3		EWSDATA	Sturgeon Bay	Sturgeon Bay Canal	44.7955	87.3143
SHAW3	04077400	# EWSDATA	Shawano 4N	Wolf River	44.8358	88.6250
COMW3	04062011	MENDATA	Commonwealth 3NNE - Brule Island Dam	Brule River	45.9475	88.2153
FLRW3	04060993	MENDATA	Florence 4NW	Brule River	45.9608	88.3158
CLKW3		MENDATA	Amberg 9E-Chalk Hill Pwr	Menominee River	45.5139	87.8025
BANM4	04066030	MENDATA	Banat 5WSW-White Rapids Dam	Menominee River	45.4819	87.8022
TWFM4	04063522	MENDATA	Iron Mountain - US Hwy 2	Menominee River	45.8661	88.0746
KFDM4		MENDATA	Kingsford 2NW-Henry Ford Dam	Menominee River	45.8083	88.1242
KOSM4	04066800	MENDATA	Koss	Menominee River	45.3872	87.7019
GRRW3		MENDATA	McAllister 4NE-Grand Rapids Dam	Menominee River	45.3550	87.6486
BGQW3		MENDATA	Niagra 2NW - Big Quinnesec Dam	Menominee River	45.7875	88.0397
PBIW3	04066003	MENDATA	Pembinne 11SE	Menominee River	45.5794	87.7869
AMBW3	04066500	MENDATA	Amberg	Pike River	45.5000	88.0000
BRKW3	04064500	MENDATA	Florence 6S	Pine River	45.8378	88.2258
FCEW3	04063700	MENDATA	Fence 3NW	Popple River	45.7636	88.4631
RIBW3	05396000	WISDATA	Rib Falls	Big Rib River	44.9725	89.9056
KELW3	05397500	WISDATA	Kelly	Eau Claire River	44.9183	89.5500
EPLW3	05399600	# WISDATA	Big Eau Pleine Reservoir	Eau Pleine River	44.7306	89.7592
MRLW3	05394500	WISDATA	Merrill 5NE	Prairie River	45.2358	89.6497
RRVW3		WISDATA	Rice Reservoir-Tomahawk	Rice River Flowage	45.5397	89.7478
TRIW3	05393500	WISDATA	Tripoli 5SSE	Spirit River	45.4494	89.9797
SPDW3		WISDATA	Tomahawk 2S	Spirit Rsvr	45.4361	89.7347
KOOW3	05401050	WISDATA	Nekoosa 6SE	Tenmile Creek	44.2625	89.8103
WILW3		WISDATA	Hazelhurst 10SW - Willow Rsvr	Tomahawk River	45.7128	89.8450
JERW3		WISDATA	Tomahawk - Jersey Dam	Tomahawk River	45.4919	89.7508
OTTW3		WISDATA	Eagle River 4WSW-Otter Rapdis Dam	Wisconsin River	45.9036	89.3197
LTkW3	05391000	WISDATA	Lake Tomahawk 3NE - Rainbow Rsvr	Wisconsin River	45.8306	89.5522
ALXW3		WISDATA	Merrill 3W - Alexander Dam	Wisconsin River	45.1881	89.7550
MOSW3	05398100	WISDATA	Mosinee	Wisconsin River	44.7988	89.7075
DUBW3		WISDATA	Mosinee 8S - Lk Du Bay	Wisconsin River	44.6647	89.6514
HRDW3		WISDATA	Rhineland - Hat Rapids Dam	Wisconsin River	45.5700	89.4800
RHIW3		WISDATA	Rhineland WWTP	Wisconsin River	45.6417	89.4217
STPW3		WISDATA	Stevens Point WWTP	Wisconsin River	44.5103	89.5856
GRFW3		WISDATA	Tomahawk 11SSW-Grandfather Dam	Wisconsin River	45.3131	89.7839
KNGW3		WISDATA	Tomahawk 2NE - Kings Dam	Wisconsin River	45.4825	89.6806
TKDW3		WISDATA	Tomahawk 2S-WVIC Dam	Wisconsin River	45.4422	89.7297
WUW3		WISDATA	Wausau - WPS Dam	Wisconsin River	44.8925	89.6261
WTGW3		WISDATA	Whiting - Dam	Wisconsin River	44.4878	89.5761
BIRW3		WISDATA	Wisconsin Rapids-Biron Dam	Wisconsin River	44.4336	89.7819
WDSW3		WISDATA	Wisconsin Rapids Dam	Wisconsin River	44.3947	89.8233

*** GRR - Grand Rapids, MI ***						
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
CMPM4		GNDDATA	Comstock Park	Grand River	43.0461	85.6514
EASM4	04119400	GNDDATA	Eastmanville	Grand River	43.0242	86.0264
EATM4	04111000	GNDDATA	Eaton Rapids 2NE	Grand River	42.5347	84.6231
RBNM4		GNDDATA	Robinson Twp - 118th Ave	Grand River	43.0400	86.0811
ZEEM4	04108800	GNDDATA	Zeeland 2S	Macatawa River	42.7836	86.0364
AUGM4	04105700	KSJDATA	Augusta 1N	Augusta Creek	42.3533	85.3539
MGOM4	04103010	# KSJDATA	Marengo 1S	Kalamazoo River	42.2617	84.8558
PCKM4	04106500	KSJDATA	Kalamazoo 1SE	Portage Creek	42.2742	85.5763
HOPM4	04108600	KSJDATA	Hopkins 2NE	Rabbit River	42.6422	85.7219
BNRM4	04102700	KSJDATA	Bangor 5NW	South Branch Black River	42.3542	86.1875
WANM4	04104945	KSJDATA	Battle Creek 5N	Wanadoga Creek	42.3964	85.2214

*** ILX - Central Illinois, IL ***						
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
COPI2	05568615	ILODATA	Banner 3SSE (at Copperas Cr)	Illinois River	40.4761	89.8883
HNRI2		ILODATA	Henry (USGS Gage)	Illinois River	41.1072	89.3564
KNGI2	05568500	ILODATA	Kingston Mines	Illinois River	40.5528	89.7778
CTVI2	05590950	KBMDATA	Chesterville	Kaskaskia River	39.7031	88.3864
COKI2	05591200	KBMDATA	Cooks Mills	Kaskaskia River	39.5833	88.4133
CWDI2	05592100	KBMDATA	Cowden	Kaskaskia River	39.2306	88.8425
SBYI2	05591950	# KBMDATA	Shelbyville Dam	Kaskaskia River	39.4090	88.7801
SLVI2	05592000	KBMDATA	Shelbyville Dam (TW)	Kaskaskia River	39.4072	88.7814
SRCI2	05592050	KBMDATA	Shelbyville 6W	Robinson Creek	39.4059	88.8964
WORI2	05591700	KBMDATA	Lovington 2NW	West Okaw River	39.7311	88.6619
WHCI2	05591550	KBMDATA	Allenville 3S	Whitley Creek	39.5067	88.5275
WAYI2	05580000	SSLDATA	Waynesville	Kickapoo Creek	40.2547	89.1292
CLFI2	05579500	SSLDATA	Cornland 1NE	Lake Fork	39.9516	89.3855
GNVI2	05568000	SSLDATA	Green Valley 4NNE	Mackinaw River	40.4542	89.6061
DCRI2	05573540	SSLDATA	Decatur	Sangamon River	39.8311	88.9764

DECI2	05573500	#	SSLDATA	Decatur 1SSE - WTP & Lk Decatur	Sangamon River	39.8272	88.9558
FISI2	05570910		SSLDATA	Fisher 1E	Sangamon River	40.3106	88.3222
ROCI2	05576000		SSLDATA	Rochester 2WSW	South Fork Sangamon River	39.7422	89.5672
SUGI2	05576250		SSLDATA	Springfield 3E	Sugar Creek	39.7792	89.5928
SPNI2			SSLDATA	Springfield - Lk Springfield	Sugar Creek	39.7578	89.6044

\*\*\* IWX - Northern Indiana, IN \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)	
TCRI3	04095300	CALDATA	Michigan City	Trail Creek	41.7167	86.8597	
SNMM4	04101800	KSJDATA	Sumnerville	Dowagiac River	41.9133	86.2131	
RIVM4	04102500	KSJDATA	Riverside 1E	Paw Paw River	42.1861	86.3683	
AQPI3	04099510	KSJDATA	Angola 6W	Pigeon Creek	41.6344	85.1097	
SCOI3	04099750	KSJDATA	Scott 1NW	Pigeon River	41.7489	85.5764	
NOTM4	04097540	KSJDATA	Nottawa 3SE	Prairie River	41.8883	85.4089	
BSDM4	04102000	#	KSJDATA	Berrien Springs - Dam	St Joseph River	41.9439	86.3289
CONM4			KSJDATA	Constantine 2N - Hydro Dam	St Joseph River	41.8433	85.6694
EHDI3			KSJDATA	Elkhart Hydro Dam	St Joseph River	41.6917	85.9583
TBHI3			KSJDATA	Mishawaka - Twin Branch Hydro Dam	St Joseph River	41.6667	86.1317
ORAI3			KSJDATA	Ora 1SW	Tippecanoe R	41.1572	86.5636

\*\*\* LOT - Chicago, IL \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)	
HLGI3	04093000	CALDATA	Hobart - Lk George Outlet	Deep River	41.5361	87.2569	
KTSI3	05517530	CALDATA	Kouts 5S	Kankakee River	41.2539	87.0339	
CPCI2	05536162	CALDATA	Crete 3E	Plum Creek	41.4356	87.5714	
MOXI2	05541710	ILODATA	Morris 6NE	Aux Sable Creek	41.4172	88.3475	
LCSI2	05536890	ILODATA	Lemont	Chicago Sanitary & Ship Canal	41.6914	87.9647	
LOKI2	05537000	#	ILODATA	Lockport L&D 2	Chicago Sanitary & Ship Canal	41.5686	88.0772
JOLI2	05538008	#	ILODATA	Joliet - Brandon Rd L&D 3	Des Plaines River	41.5033	88.1028
CDII2	05541500	#	ILODATA	Channahon 3SW - Dresden Island L&D 4	Illinois River	41.3981	88.2792
MRSI2	05543500		ILODATA	Marseilles	Illinois River	41.3269	88.7175
RVLI2	05534000	#	KDFDATA	Romeoville	Des Plaines River	41.6403	88.0672
ALGI2	05550000		KDFDATA	Algonquin	Fox River	42.1664	88.2903
JHNI2	05548500		KDFDATA	Johnsburg	Fox River	42.3764	88.2375
MHYI2	05549501		KDFDATA	McHenry - William G Stratton L&D	Fox River	42.3091	88.2533
SELI2	05551000		KDFDATA	South Elgin	Fox River	41.9961	88.2950
YKVI2	05551580		KDFDATA	Yorkville (Palmer Dam)	Fox River	41.6428	88.4433
OMCI2	05527950		KDFDATA	Old Mill Creek 1SE	Mill Creek	42.4153	87.9689
NIP12	05548280		KDFDATA	Spring Grove	Nippersink Creek	42.4434	88.2475
NBAI2	05536105	#	KDFDATA	Chicago - Albany Ave	North Branch Chicago River	41.9742	87.7058
NILI2	05536000		KDFDATA	Niles	North Branch Chicago River	42.0122	87.7958
WSP12	05531500		KDFDATA	Western Springs	Salt Creek	41.8264	87.9000
WCAI2			KDFDATA	Addison 1N - WWTP	Westwood Creek	41.9409	87.9875
MRGI2	05438170		RCKDATA	Marengo	Kishwaukee River	42.2653	88.6081
DXOI2			RCKDATA	Dixon - Dam	Rock River	41.8456	89.4806
FDLI2	05439500		RCKDATA	Fairdale 1ENE	South Branch Kishwaukee River	42.1106	88.7172

\*\*\* LSX - St. Louis, MO \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)	
MCPI2	05587000	ILODATA	Kane 4NW	Macoupin Creek	39.2342	90.3944	
HOFI2	05593520	KBMDATA	Hoffman 2SW	Crooked Creek	38.5069	89.2733	
COFI2	05593900	KBMDATA	Coffeen	East Fk Shoal Creek	39.1489	89.3522	
FARI2	05592900	KBMDATA	Fairman	East Fork Kaskaskia River	38.6897	89.0989	
HCKI2	05592575	KBMDATA	Brownstown 4S	Hickory Creek	38.9369	88.9528	
HRR12	05592800	KBMDATA	Mulberry Grove 1E	Hurricane Creek	38.9225	89.2372	
CRLI2		KBMDATA	Carlyle - Carlyle Lk (TW)	Kaskaskia River	38.6178	89.3539	
POSI2	05593020	KBMDATA	Posey (Carlyle 5S)	Kaskaskia River	38.5364	89.3817	
VDYI2	05594100	KBMDATA	Venedy Station 1NW	Kaskaskia River	38.4506	89.6275	
CAYI2	05592990	#	KBMDATA	Carlyle 1NE - Carlyle Rsvr	Kaskaskia River	38.6183	89.3519
BRSI2	05594000	KBMDATA	Breese 2E	Shoal Creek	38.6097	89.4944	
PRNI2	05593945	KBMDATA	Pierron 4E	Shoal Creek	38.7758	89.4989	
FREI2	05594800	KBMDATA	Freeburg	Silver Creek	38.4061	89.8739	
BNTM7	07017610	MECDATA	Bonne Terre 3NNW	Big River	37.9656	90.5744	
DLGM7	07017260	MECDATA	Desloge 2NE	Big River	37.8892	90.5103	
IRNM7	07017200	MECDATA	Irondale	Big River	37.8300	90.6908	
RCHM7	07018100	MECDATA	Richwoods	Big River	38.1594	90.7061	
SPBM7	07016000	#	MECDATA	Spring Bluff 2NW	Bourbeuse River	38.3119	91.2778
HZHM7	07014000	MECDATA	Butts 3WSW	Huzzah Creek	37.9747	91.2044	
MBRI2	05495500	MISDATA	Marcelline 2NE	Bear Creek	40.1428	91.3372	
GRTI2		MISDATA	Granite City Lock 27 (TW)	Chain Of Rocks Canal	38.7000	90.1828	
JBSM7		MISDATA	Mississippi River at Jefferson Barracks	Mississippi River	38.4837	90.2802	
MOZI2		MISDATA	Mozier Landing (Pool 25 CP)	Mississippi River	39.2573	90.7272	
ENGM7		MISDATA	MISSISSIPPI RIVER AT ENGINEERS DEPOT-ST.	LOUISMISSISSIPPI RIVER	38.5891	90.2061	
HRNM7	06934500	MISDATA	Hermann	Missouri River	38.7100	91.4392	
JFFM7	06910450	#	MISDATA	Jefferson City	Missouri River	38.5869	92.1797
SCLM7	06935965	MISDATA	St Charles 1E	Missouri River	38.7856	90.4719	
WHGM7	06935450	MISDATA	Washington	Missouri River	38.5597	91.0075	
STTM7	06926510	#	MISDATA	St Thomas 4N	Osage River	38.3403	92.2236
PCZM7	05503800	TMODATA	Paris	Crooked Creek	39.5850	91.9933	
MAZM7	05506800	TMODATA	Madison	Elk Fork Salt River	39.4347	92.1678	
PRZM7	05507600	TMODATA	Perry	Lick Creek	39.4314	91.6761	
STFM7	05506100	TMODATA	Santa Fe 1SW	Long Branch	39.3558	91.8342	
HGZM7	05502300	TMODATA	Hagers Grove	North Fork Salt River	39.8300	92.2306	
SHZM7	05502500	TMODATA	Shelbina 3N	North Fork Salt River	39.7414	92.0406	
CRZM7	05507795	#	TMODATA	Center 4.5NW - Re-reg Dam	Salt River	39.5644	91.5700
CEZM7	05507800	TMODATA	Center 5NW - Norton Brdg (CR A)	Salt River	39.5736	91.5714	
CTZM7		TMODATA	Center 6W - Cannon Dam (TW)	Salt River	39.5250	91.6436	
CDAM7	05507700	#	TMODATA	Center 6W-Clarence Cannon Dam	Salt River	39.5247	91.6442
NWKM7	05498700	TMODATA	Newark 3NNW	South Fabius River	40.0061	92.0269	
SFZM7	05504800	TMODATA	Santa Fe 4SW	South Fork Salt River	39.3261	91.8339	
FKZM7	05508805	TMODATA	Frankford	Spencer Creek	39.5203	91.3422	
CNZM7	05496000	TMODATA	Canton	Wyaconda River	40.1422	91.5653	

\*\*\* MKX - Milwaukee, WI \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)	
FDLW3		EWSDATA	Fond Du Lac WWTP	Lake Winnebago	43.7958	88.4508	
MEEW3	04087000	EWSDATA	Milwaukee	Milwaukee River	43.1000	87.9089	
WAUW3		EWSDATA	Waubeka	Milwaukee River	43.4728	87.9897	
WAWW3	04087088	EWSDATA	Wauwatosa	Underwood Creek	43.0547	88.0461	
WADW3	05544348	KDFDATA	Waterford - Dam	Fox River	42.7653	88.2133	
MUKW3	05544200	KDFDATA	Mukwonago	Mukwonago River	42.8567	88.3278	
ROMW3	05426250	RCKDATA	Rome 3SW	Bark River	42.9603	88.6706	
BEAW3	05425912	RCKDATA	Beaver Dam WWTP	Beaver Dam River	43.4492	88.8392	
HCNW3	05424057	RCKDATA	Horicon	Rock River	43.4503	88.6322	
HCMW3		RCKDATA	Horicon Marsh	Rock River	43.5272	88.6442	
HDMW3		RCKDATA	Hustisford - Dam	Rock River	43.3483	88.5994	
INFW3	05427570	#	RCKDATA	Indianford	Rock River	42.8042	89.0903
LEBW3	05424157	#	RCKDATA	Lebanon 3E	Rock River	43.2619	88.5744
WPNW3	05423500	RCKDATA	Waupun	South Branch Rock River	43.6417	88.7375	
BLOW3		RCKDATA	Beloit 3NE	Turtle Creek	42.5417	88.9922	
FULW3	05430175	RCKDATA	Fulton 3NW	Yahara River	42.8264	89.1719	
MSOW3	05428500	RCKDATA	Madison - E Main St	Yahara River	43.0894	89.3608	
MAOW3	05427850	RCKDATA	Madison - Hwy 113	Yahara River	43.1508	89.4019	
MDAW3	05428000	RCKDATA	Madison - Lk Mendota	Yahara River	43.0950	89.3700	
MNAW3	05429000	RCKDATA	Madison - Lk Monona	Yahara River	43.0633	89.3969	
MRDW3	05429510	#	RCKDATA	McFarland 1S	Yahara River	43.0047	89.3192
MCFW3	05429500	RCKDATA	McFarland 1SW	Yahara River	43.0089	89.3050	
SOOW3	05429700	RCKDATA	Stoughton - Forton St	Yahara River	42.9197	89.2203	
WDRW3	05427718	RCKDATA	Winsor	Yahara River	43.2089	89.3525	
LAVW3	05404129	WISDATA	La Valle - St Hwy 58	Baraboo River	43.5822	90.1336	
PDSW3	05406000	#	WISDATA	Prairie Du Sac 2N	Wisconsin River	43.3106	89.7283

*** MPX - Minneapolis, MN				***		
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
BRUW3	05356500	CHPDATA	Bruce	Chippewa River	45.4522	91.2608
CHFW3	05365500	CHPDATA	Chippewa Falls WWTP	Chippewa River	44.9269	91.4092
ECTW3	05365550	CHPDATA	Eau Claire (Dells Dam)	Chippewa River	44.8225	91.5075
HOLW3	05362500	# CHPDATA	Holcombe (Dam)	Chippewa River	45.2244	91.1172
WISW3		CHPDATA	Lake Wissota	Chippewa River	44.9264	91.3008
BGFW3	05360000	# CHPDATA	Big Falls Hydro	Flambeau River	45.5556	90.9589
BRCW3	05360500	CHPDATA	Bruce	Flambeau River	45.4064	91.2194
WHEW3	05368000	CHPDATA	Wheeler	Hay River	45.0477	91.9112
SHEW3	05362000	CHPDATA	Sheldon	Jump River	45.3081	90.9564
MNOW3	05368500	# CHPDATA	Cedar Falls Hydro Plant	Red Cedar River	44.9356	91.8885
CLXW3	05367500	CHPDATA	Colfax 4N	Red Cedar River	45.0531	91.7119
MENW3	05369000	CHPDATA	Menomonie WWTP	Red Cedar River	44.8839	91.9325
BOMW3	053674967	CHPDATA	Bloomer 8W	Trout Creek	45.0994	91.6511
GDVM5	05458970	# CIWDATA	Gordonsville 1W	Shell Rock River	43.5139	93.2686
FRCM5		M10DATA	Frontenac 2S	Wells Creek	44.5069	92.3331
PLGM4	04043016	# MENDATA	Houghton 3SSE	Pilgrim River	47.0841	88.5505
BVFM5		MINDATA	Beaver Falls	Beaver Creek	44.5839	95.0475
BFRM5		MINDATA	Beauford 4NW	Big Cobb River	44.0472	94.0006
RAPM5	05320000	MINDATA	Rapidan 2W	Blue Earth River	44.0956	94.1091
BENM5	05303500	# MINDATA	Benson	Chippewa River	45.3111	95.6250
CLOM5		MINDATA	Clontarf 1NE	Chippewa River	45.3856	95.6589
MLNM5	05304500	MINDATA	Milan 6E	Chippewa River	45.1083	95.7986
WTSM5	05305000	MINDATA	Watson 1NE (Dam)	Chippewa River	45.0167	95.8000
SAGM5	05304980	# MINDATA	Watson 2N - Sag Weir	Chippewa River Div	45.0250	95.7972
LMBM5		MINDATA	Lamberton 1NE	Cottonwood River	44.2386	95.2450
LVNM5		MINDATA	Leavenworth	Cottonwood River	44.2275	94.8064
BBBM5		MINDATA	Benson 2N	East Branch Chippewa River	45.3481	95.5928
HAWM5	05314530	# MINDATA	Granite Falls 7SE	Hawk Creek	44.7622	95.4289
MRDM5		MINDATA	Maynard 3SSW	Hawk Creek	44.8694	95.4831
ARLM5		MINDATA	Arlington 1NNW	High Island Creek	44.6225	94.0919
LQPM5	05300000	MINDATA	Lac Qui Parle	Lac Qui Parle River	44.9950	95.9192
PVRM5	05299650	# MINDATA	Providence 5NE	Lac Qui Parle River	44.8850	96.0522
LAQM5		MINDATA	Lac Qui Parle	Lac Qui Parle Rsvr	45.0336	95.8675
MILM5		MINDATA	Milan - Hwy 40	Lac Qui Parle Rsvr	45.0972	95.9800
RPDM5	05320500	MINDATA	Rapidan 2NE	Le Sueur River	44.1097	94.0417
RPLM5		MINDATA	Rapidan 4E	Le Sueur River	44.0847	93.9886
CRTM5	05317200	MINDATA	Courtland 2S	Little Cottonwood River	44.2464	94.3386
RDM5		MINDATA	Rapidan 3SE	Maple River	44.0653	94.0261
STGM5		MINDATA	Sterling Center 2NE	Maple River	43.9350	94.0708
JUDM5	05317500	# MINDATA	Judson	Minnesota River	44.2003	94.1939
LQRM5	05301000	MINDATA	Lac Qui Parle Dam	Minnesota River	45.0214	95.8681
ODEM5		MINDATA	Louisburg 8NW /Odessa/	Minnesota River	45.2269	96.2903
MLDM5	05294070	# MINDATA	Louisburg - Marsh Lake Dam	Minnesota River	45.1714	96.0933
ODAM5	05292560	# MINDATA	Odessa - Hwy 75 Dam	Minnesota River	45.2489	96.2975
ORTM5	05292000	MINDATA	Ortonville	Minnesota River	45.2956	96.4439
SPTM5	05325300	# MINDATA	St Peter - MN Hwy 22	Minnesota River	44.3075	93.9600
APPM5	05294000	MINDATA	Appleton	Pomme de Terre River	45.2028	96.0222
HOFM5		MINDATA	Hoffman 7SSW	Pomme de Terre River	45.7453	95.8572
NSTM5	05325148	# MINDATA	St Peter 6SW	Seven Mile Creek	44.2628	94.0306
MDAM5		MINDATA	Madelia 4SW	S Fk Watonwan River	44.0306	94.4697
BNNM5		MINDATA	Benson 8S	Shakopee Creek	45.2039	95.6136
COBM5		MINDATA	Cobden 3SE	Sleepy Eye Creek	44.2536	94.8064
HNL5		MINDATA	Hanley Falls 4WNW	Spring Creek	44.7219	95.6858
GRDM5	05319500	MINDATA	Garden City 2W	Watonwan River	44.0464	94.1953
LSLM5		MINDATA	La Salle 5SE	Watonwan River	44.0567	94.5039
WSDM5	05299780	# MINDATA	Dawson 7W	West Branch Lac Qui Parle River	44.9361	96.1925
ODSM5	05293000	MINDATA	Odessa	Yellow Bank River	45.2264	96.3533
GRNM5	05313500	MINDATA	Granite Falls 6S	Yellow Medicine River	44.7217	95.5186
HANM5		MINDATA	Hanley Falls 4W	Yellow Medicine River	44.6883	95.7122
GBDM5		RDWDATA	Minnetonka		44.9533	93.4872
SOMW3	05341500	# RDWDATA	Somerset	Apple River	45.1575	92.7164
BTNM5	05278860	# RDWDATA	Brownston	Buffalo Creek	44.7358	94.3506
GLNM5	05278930	# RDWDATA	Glencoe	Buffalo Creek	44.7639	94.0908
CFLM5	05355092	RDWDATA	Cannon Falls - 9th St	Cannon River	44.5169	92.9119
FRLM5	05354500	RDWDATA	Faribault 4N - CR 29	Cannon River	44.3597	93.2567
KLKM5		RDWDATA	Kilkenny 3SW	Cannon River	44.2972	93.6290
MRTM5		RDWDATA	Morristown - CSAH44	Cannon River	44.2286	93.4492
WLCM5	05355200	RDWDATA	Welch	Cannon River	44.5639	92.7319
RANM5	05355038	RDWDATA	Randolph 3W - CR 47	Chub Creek	44.5289	93.0725
CLWM5		RDWDATA	Clearwater	Clearwater River	45.4114	94.0619
ERV5	05275000	RDWDATA	Elk River 4WNW	Elk River	45.3339	93.6667
CHPM5	05287890	RDWDATA	Champlin	Elm Creek	45.1633	93.4364
RFSW3	05342000	RDWDATA	River Falls 5W	Kinnickinnic River	44.8308	92.7331
MTKM5	05289000	RDWDATA	Minnetonka-abv Gray's Bay Outlet	Lake Minnetonka	44.9533	93.4872
CNFM5	05355140	# RDWDATA	Cannon Falls	Little Cannon River	44.4703	92.9339
SOGM5	05355130	# RDWDATA	Sogn	Little Cannon River	44.4064	92.9306
LLKM5		RDWDATA	Long Lake 1SE	Long Lake Creek	44.9805	93.5606
PLBM5		RDWDATA	Philbrook	Long Prairie River	46.2881	94.7158
MNAM5		RDWDATA	Manannah 1S	Middle Fork Crow River	45.2433	94.6194
SPCM5	05278000	# RDWDATA	Spicer 6E	Middle Fork Crow River	45.2625	94.8028
MLLM5	05284000	RDWDATA	Onamia 4NE - Cove Bay	Mille Lacs Lake	46.1100	93.6189
MHAM5	05289800	RDWDATA	Minneapolis - Hiawatha Ave	Minnehaha Creek	44.9156	93.2125
FSNM5	05330920	RDWDATA	Fort Snelling	Minnesota River	44.8703	93.1922
LSAM5		RDWDATA	Minneapolis - Lower St Anthony Falls	Mississippi River	44.9783	93.2469
USAM5		RDWDATA	Minneapolis - Upper St Anthony Falls	Mississippi River	44.9808	93.2572
PREW3	05344500	RDWDATA	Prescott (Pool 3 CP)	Mississippi River	44.7458	92.8000
SSPM5		RDWDATA	South St Paul (Pool 2 CP)	Mississippi River	44.8955	93.0296
SCLM5	05270000	# RDWDATA	St Cloud - Regis Papermill	Mississippi River	45.6158	94.2014
SPAM5		RDWDATA	St Paul L&D 1/Ford Plant	Mississippi River	44.9150	93.1994
CKAM5		RDWDATA	Cokato 4NNE	North Fork Crow River	45.1269	94.1467
MNHM5		RDWDATA	Manannah 4E	North Fork Crow River	45.2531	94.5461
PVLM5	05276210	# RDWDATA	Paynesville 1ENE - MN23	North Fork Crow River	45.3844	94.6958
RNFM5	05278400	# RDWDATA	Rockford 3W	North Fork Crow River	45.0958	93.7894
PNTM5		RDWDATA	Mound 2N	Painter Creek	44.9640	93.6724
PLRM5		RDWDATA	Royalton	Platte River	45.7972	94.2919
CNPM5	05355080	RDWDATA	Cannon Falls 4WSW	Prairie Creek	44.4717	93.0036
RCUM5	05288580	RDWDATA	Mounds View-below Old Hwy 8	Rice Creek	45.0933	93.1950
SAMM5		RDWDATA	St Martin 1NNW - CR12	Saulk River	45.5194	94.6803
SGCM5	05288705	RDWDATA	Minneapolis - Shingle Creek	Shingle Creek	45.0500	93.3100
SMMM5		RDWDATA	St. Bonifacius 2E	Six Mile Creek	44.9075	93.7051
GSTM5		RDWDATA	Grasston	Snake River	45.7883	93.1478
WMNM5		RDWDATA	Warman	Snake River	46.0247	93.2308
COSM5	05278500	# RDWDATA	Cosmos 1E	South Fork Crow River	44.9356	94.6753
HCNM5		RDWDATA	Hutchinson	South Fork Crow River	44.8778	94.3589
LEPM5		RDWDATA	Lester Prairie 1ESE	South Fork Crow River	44.8789	94.0306
SCFW3	05340500	RDWDATA	St Croix Falls	St Croix River	45.4069	92.6469
FRBM5	05353800	RDWDATA	Faribault	Straight River	44.2581	93.2308
SUNM5		RDWDATA	North Branch 6NE (Sunrise)	Sunrise River	45.5442	92.8589
EMPM5	05345000	RDWDATA	Empire	Vermillion River	44.6667	93.0547
PRNM5		RDWDATA	PRINCETON	W Br Rum River	45.5808	93.6144
WLWW3	05341752	RDWDATA	Burkhardt 2SE - Willow River S.P.	Willow River	45.0117	92.7083
BIGW3		WISDATA	Rockland 2N	Big Creek	43.9389	90.9123

*** MQT - Marquette, MI				***		
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
CRRM4	04059750	# MENDATA	Cedar River 5NW	Cedar River	45.5238	87.3950
PEAM4		MENDATA	Alpha 9SE - Peavy Pond	Michigamme River	45.9908	88.2081
CRFM4	04062500	MENDATA	Crystal Falls 6E	Michigamme River	46.1139	88.2158
CYFM4		MENDATA	Crystal Falls 6NE-Way Dam	Michigamme River	46.1597	88.2436
MFSM4	04062850	# MENDATA	Michigamme Falls Dam	Michigamme River	45.9544	88.1958
APHM4		MENDATA	Alpha 6ESE - Lower Paint Dam	Paint River	46.0200	88.2600
PRAM4	04062000	MENDATA	Alpha 6SE	Paint River	46.0111	88.2583

LORM4	04065650	MENDATA	Loretto	Sturgeon River	45.7761	87.8283
BFCM4	04033500	#	UPMDATA Paulding 2W	Bond Falls Canal	46.3992	89.1464
ORCM4	04037500	UPMDATA	Watersmeet 13W (Cisco Lk)	Cisco Br Ontonagon River	46.2533	89.4514
CRNM4	04059000	UPMDATA	Cornell	Escanaba River	45.9086	87.2136
ESNM4	04058940	#	UPMDATA St Nicholas 2W	Escanaba River	45.9792	87.2703
LGOM4	04035995	UPMDATA	Bergland 1SE	Lake Gogebic	46.5886	89.5478
PRNM4	04058100	UPMDATA	Princeton 2NW	Middle Branch Escanaba River	46.3172	87.5019
BFDM4		UPMDATA	Paulding 2E- Bond Falls Dam	Middle Branch Ontonagon River	46.4083	89.1356
BFMM4		UPMDATA	Paulding 2E - Bond Falls Dam outflow	Middle Branch Ontonagon River	46.4086	89.1294
TRCM4	04034500	#	UPMDATA Trout Creek 4W	Middle Branch Ontonagon River	46.4778	89.0903
PQSM4	04032000	UPMDATA	Tula 2E	Presque Isle River	46.5472	89.7772
SZCM4	04058200	UPMDATA	Palmer 3SW	Schweitzer Creek	46.4111	87.6242
EWNM4	04039500	#	UPMDATA Ewen	South Branch Ontonagon River	46.5328	89.2769
CLLM4		UPMDATA	Chassell 2SE	Sturgeon River	46.9972	88.5097
TAPM4	04045500	UPMDATA	Paradise 12W	Tahquamenon River	46.5750	85.2694
VCDM4		UPMDATA	Rockland 4SW-Victoria Dam	West Branch Ontanogon River	46.6872	89.2297

\*\*\* PAH - Paducah, KY \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
RNDI2	05595950	#	KBMDATA Benton 3NW - Rend Lk	Big Muddy River	38.0375	88.9617
CFMI2	05595820	KBMDATA	Mt Vernon 2SE	Casey Fork	38.2867	88.8719
MCOI2	05597500	KBMDATA	Marion 2E	Crab Orchard Creek	37.7311	88.8892
CODI2		KBMDATA	Crab Orchard Lake 12W	Crab Orchard Lake	37.7142	89.1486
WRCI2	05595730	KBMDATA	Waltonville 3N	Rayse Creek	38.2539	89.0397
CPGM7	07020850	MISDATA	Cape Girardeau	Mississippi River	37.3019	89.5180

\*\*\* SGF - Springfield, MO \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
HTGM7	07015720	MECDATA	St James 11N (High Gate 5E)	Bourbeuse River	38.1469	91.5806

NCRFC data simulation points by Forecast Group

Generated Tuesday July 09 2024

Discontinued historical stations, active locations with no telemetry, or synthetic points to break up huge Mean Areal Precip areas for Unit Hydrograph purposes.

# - Not currently an active realtime USGS Surface Water Station.

\*\*\* ABR - Aberdeen, SD \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
BGSM5	05291500	#	MINSIM Ortonville - Big Stone Lk	Minnesota River	45.3050	96.4492

\*\*\* APX - N. Central Lower Michigan, MI \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
AUHM4	04138540	#	NLMSIM Au Gres - Hwy 23	Au Gres River	44.0481	83.6869
NTCM4	04138500	#	NLMSIM National City 4SSW	Au Gres River	44.1761	83.7425
GRYM4	04135500	#	NLMSIM Grayling	Au Sable River	44.6700	84.7200
PETM4		NLMSIM	Petoskey WWTP	Bear River	45.3739	84.9603
BEZM4	04126600	#	NLMSIM Benzonia 1S	Betsie River	44.6006	86.0992
BCAM4		NLMSIM	Au Gres 3WSW	Big Creek	44.0308	83.7014
BLCM4	04132000	#	NLMSIM Cheboygan 12SE	Black River	45.4997	84.3267
TOWM4	04130500	#	NLMSIM Tower 3NW	Black River	45.3925	84.3333
BOAM4	04127499	#	NLMSIM Traverse City	Boardman River	44.7653	85.6211
BOYM4	04127850	#	NLMSIM Boyne City 3ESE	Boyne River	45.1967	84.9572
CYGM4	04132052	#	NLMSIM Cheboygan - Durocher Dock & Dredge Co.	Cheboygan River	45.6339	84.4811
GLCM4	04126802	#	NLMSIM Glen Arbor 1ENE	Crystal River	44.9033	85.9622
CGAM4	04126805	#	NLMSIM Glen Arbor 1NE - Hwy 22	Crystal River	44.9053	85.9739
MCIM4	04138000	#	NLMSIM National City 1E	East Branch Au Gres River	44.2342	83.7011
ELRM4	04127695	#	NLMSIM Elk Rapids - Hwy 31	Elk River	44.8997	85.4092
INRM4	04128500	#	NLMSIM Indian River	Indian River	45.4106	84.6200
LELM4	04126865	#	NLMSIM Leland - Hwy 22	Lake Leelanau outlet	45.0225	85.7603
LMSM4	04126500	#	NLMSIM Stronach 1ESE	Little Manistee River	44.2100	86.2450
MANM4	04126000	#	NLMSIM Manistee 3SE	Manistee River	44.2706	86.1989
BONM4	04134000	#	NLMSIM Bolton 3SW	North Branch Thunder Bay River	45.1417	83.6058
OCQM4		NLMSIM	Ocqueoc 5N	Ocqueoc River	45.4806	84.1100
CHXM4		NLMSIM	Charlevoix - Lk Charlevoix outlet	Pine River	45.3186	85.2589
STAM4	04143200	#	NLMSIM Standish 4NE	Pine River	43.9850	83.8875
AREM4		NLMSIM	Omer 2SE	Rifle River	44.0256	83.8297
APEM4	04135000	#	NLMSIM Alpena WWTP & 4NW	Thunder Bay River	45.0939	83.5000
OVEM4	04137715	#	NLMSIM Oscoda 2NNW	Van Etten Creek	44.4469	83.3392

\*\*\* ARX - La Crosse, WI \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
THOW3	05365707	#	CHPSIM Thorp 3NW	North Fork Eau Claire River	44.9736	90.8492
RKFI4	05460400	#	CIWSIM Rockford	Shell Rock River	43.0053	92.9256
RUDM5	05384500	M10SIM	Rushford	Rush Creek	43.8322	91.7764
RICI4		M10SIM	Riceville 13NE (Chester)	Upper Iowa River	43.4919	92.3617
THLM5	05374500	#	M10SIM Theilman 1SSW	Zumbro River	44.2883	92.1858
OWNW3		WISSIM	Owen 4W	Black River	44.9514	90.6403
RICW3	05406820	#	WISSIM Richland Center	Pine River	43.3347	90.3867
LIBW3		WISSIM	Liberty	West Fork Kickapoo River	43.5172	90.7426

\*\*\* BIS - Bismark, ND \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
LNDN8	05123900	#	SRSSIM Landa 6SSE	Boundry Creek	48.8094	100.8617
GNVN8	05123700	#	SRSSIM Granville 9NNE - North Lk	Cut Bank Creek	48.3861	100.7667
UCBN8	05123750	#	SRSSIM Upham 1SW	Cut Bank Creek	48.5747	100.7442
KMRN8	05116150	#	SRSSIM Kenmare 7SE	Des Lacs River	48.5897	102.1200
LVCN8		SRSSIM	Minot 2E	Livingston Creek	48.2492	101.2292
OXCN8		SRSSIM	Willow City	Ox Creek	48.6044	100.2767
RBCQ8		SRSSIM	Goodwater 7E	Roughbark Creek	49.4369	103.6736
ESVQ8		SRSSIM	Estevan 3SE - Old Hwy 47	Souris River	49.1014	102.9361
LSRN8		SRSSIM	Newburg 5NNE - Dam 341	Souris River	48.7767	100.8700
OXBQ8		SRSSIM	Oxbow 1S	Souris River	49.2153	102.1706
RCPQ8		SRSSIM	Roche Percee 2ENE	Souris River	49.0800	102.7697
USRN8		SRSSIM	Upham 3N - Dam 326	Souris River	48.6283	100.7183
WSRN8		SRSSIM	Westhope 7NE - Dam 357	Souris River	48.9778	100.9625

\*\*\* DLH - Duluth, MN \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
IRIM5	05124500	#	LOWSIM Isabella 13NW	Isabella River	47.8000	91.5208
SBBM5	05125550	#	LOWSIM Babbitt 7ESE	Stony River	47.6933	91.7606
CHIM5	05130500	#	LOWSIM Chisholm 12N	Sturgeon River	47.6736	92.9000
MOTM5	05244500	#	RDWSIM Motley	Crow Wing River	46.3500	94.6500
LIBM5	05220500	#	RDWSIM Libby	Mississippi River	46.7897	93.3286
WRBM5	05217000	#	RDWSIM Warba 2S	Swan River	47.1089	93.2619
MRSW3		WLSSIM	Saxon 3NE /Saxon Falls/	Montreal River	46.5369	90.3797
AURM5	04016500	#	WLSSIM Aurora 3S	St Louis River	47.4917	92.2389
SLSW3		WLSSIM	Superior - Connors Point	St Louis River	46.7467	92.1033
MASW3		WLSSIM	Mason	White River	46.4294	91.0503

\*\*\* DMX - Des Moines, IA \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
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KLMI4	05449000	#	CIWSIM	Klemme 1W	East Branch Iowa River	43.0086	93.6283
ABNI4			CIWSIM	Albion 4WNW	Iowa River	42.1406	93.0539
BRTI4	05478000	#	DESSIM	Burt 2ENE	East Fork Des Moines River	43.2111	94.1778
NSHI4			TIASIM	New Sharon 5NNW	North Skunk River	41.5281	92.6947

\*\*\* DTX - Detroit, MI \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
MCBM4	04160625	#	SMSSIM	Marine City 4NNW	42.7683	82.5122
DXTM4	04173000	#	SMSSIM	Dexter 4NNW	42.3833	83.9167
FLRM4	04175100	#	SMSSIM	Flatrock	42.0939	83.2953
LRWM4	04167625	#	SMSSIM	Wayne	42.2844	83.4275
MCWM4	04164980	#	SMSSIM	Waldenburg	42.6428	82.9333
LALM4	04176605	#	SMSSIM	La Salle	41.8669	83.4536
PRMM4	04160398	#	SMSSIM	Marysville	42.8586	82.5381
APKM4	04168530	#	SMSSIM	Allen Park	42.3008	83.1994
SMRM4	04175399	#	SMSSIM	Monroe 5NNE	41.9817	83.3717
SROM4	04175228	#	SMSSIM	South Rockwood 4WSW	42.0381	83.3242
URDM4	04166470	#	SMSSIM	Detroit	42.3942	83.2783
MCRM4	04154500	#	SMWSIM	Midland 7WSW	43.5944	84.3694
KAWM4			SMWSIM	Kawkawlin	43.6519	83.8972
KDEM4	04159051	#	SMWSIM	Kinde 5NW	43.9933	83.0758
NBRM4	04153500	#	SMWSIM	North Bradley 1SE	43.7000	84.4667
BYRM4	04144000	#	SMWSIM	Byron	42.8167	83.9500

\*\*\* DVN - Quad Cities, IA \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
TCRI4			CIWSIM	Tipton 7S /Rochester/	41.6694	91.1556
FPCI4			CIWSIM	Fairfax	41.9228	91.7839
GLAI2	05416000	#	M19SIM	Galena	42.4200	90.4300
SABI4	05420150	#	M19SIM	Sabula	42.0642	90.1683
GDGI2	05447100	#	RCKSIM	Deer Grove 1S	41.5939	89.6894
MRR12	05446000	#	RCKSIM	Morrison	41.7972	89.9722
EFLI2			SSLSIM	Colmar 5NNW	40.4058	90.9275
PRAI4	05421682	#	TIASIM	Prairieburg	42.1958	91.4231
DYRI4	05418110	#	TIASIM	Dyersville	42.4706	91.1222
KFRI4			TMOSIM	Keosauqua 8SSE	40.6158	91.9383
BMFM7			TMOSIM	Baring 6N	40.3325	92.2150
NFMM7			TMOSIM	MEMPHIS 1W	40.4567	92.1906
KWRM7			TMOSIM	Kahoka 6SW	40.3661	91.7972

\*\*\* FGF - Eastern North Dakota, ND \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
CHNN8			DEVSIM	Churchs Ferry 9NE	48.3542	99.0664
PENN8	05056410	#	DEVSIM	Penn	48.1667	98.9797
DLEN8	05056636	#	DEVSIM	Lakota 9SW	47.9581	98.4833
DEVN8			DEVSIM	Devils Lake 8NW	48.2025	98.9578
IRVN8	05056255	#	DEVSIM	Churchs Ferry	48.3236	99.1453
CHRN8	05056260	#	DEVSIM	Churchs Ferry 1NE	48.2825	99.1736
DMSN8	05056220	#	DEVSIM	Devils Lake 8N	48.2108	98.8708
WRWM5	05139500	#	LOWSIM	Warroad	48.8667	95.3556
DRSM5			REDSIM	Breckenridge 1S - CR157	46.2442	96.5922
NBEN8			REDSIM	Kelso	47.3233	97.0297
FOXM5	05046250	#	REDSIM	Foxhome 4S	46.2136	96.3069
PFM5	05040500	#	REDSIM	Elizabeth 3S	46.3361	96.1194
KNTM5			REDSIM	Kent	46.4275	96.6692
COMM5			REDSIM	Comstock 2NNW	46.6914	96.7586
PBDM5			TMNSIM	Mattson 1SW	48.6742	97.0944
BLTM5	05068500	#	TMNSIM	Beltrami	47.5356	96.5314
SRAM5	05085420	#	TMNSIM	Radium 5NE	48.2681	96.5111
WARM5	05085500	#	TMNSIM	Warren	48.1953	96.7794
BKRM5	05061490	#	TMNSIM	Baker 4NW	46.7467	96.6072
HNTN8	05062200	#	TNSDIM	Hunter 8NE	47.2917	97.1139
WSWN8			TNSDIM	Warsaw 3ENE	48.3089	97.1883
FRDN8			TNSDIM	Fordville	48.2119	97.8603
PMAN8			TNSDIM	Pembina 3SW	48.9433	97.2939
SBGN8	05065870	#	TNSDIM	Portland 2W - Hwy 200	47.5011	97.4050
MNVN8	05083000	#	TNSDIM	Manvel	48.0775	97.1825
WIWN8			TNSDIM	St Thomas 6SE	48.5642	97.3428

\*\*\* FSD - Sioux Falls, SD \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
TLKM5	05474860	#	DESSIM	Dundee 3NE - Talcot Lk	43.8847	95.4311
HRLM5	05474990	#	DESSIM	Heron Lake 1ENE - 400th Ave	43.8006	95.2758
NEWI4	05482135	#	DESSIM	Newell 2W	42.6044	95.0450

\*\*\* GRB - Green Bay, WI \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
GREW3	040851378	#	EWSSIM	Green Bay	44.5172	88.0067
MISW3	04085281	#	EWSSIM	Mishicot	44.2378	87.6364
WITW3	0407809265	#	EWSSIM	Wittenberg 3E	44.8253	89.1181
PENW3	04071858	#	EWSSIM	Pensaukee	44.8167	87.9500
HAYW3	04085395	#	EWSSIM	Hayton	44.0247	88.1181
MLKW3	04074548	#	EWSSIM	Mole Lake 1SW	45.4794	88.9978
OMOW3	04073970	#	EWSSIM	Omro 2SW	44.0189	88.7856
SCUW3			MENSIM	Marinette	45.1039	87.6547
WUKW3			MENSIM	Wausaukee	45.3794	87.9542

\*\*\* GRR - Grand Rapids, MI \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
ZZEM4			GNSDIM	Sears (Snow Survey)	43.8406	85.1489
ZZSM4			GNSDIM	Stanwood (Snow Survey)	43.5922	85.2647
HVNM4			GNSDIM	Grand Haven	43.0603	86.2403
GRVM4			GNSDIM	Grandville	42.9103	85.7794
LAMM4			GNSDIM	Eastmanville 1ESE	43.0108	85.9369
WYOM4			GNSDIM	Wyoming 2N	42.9467	85.7114
JENM4			GNSDIM	Jenison 2N	42.9372	85.7997
TALM4			GNSDIM	Tallmadge 3SSW	42.9444	85.8550
MMRM4			GNSDIM	Muir	42.9947	84.9425
MUMM4	04122150	#	GNSDIM	Muskegon	43.2311	86.3297
HADM4	04121680	#	GNSDIM	Oxbow - Hardy Dam	43.4858	85.6306
SPGM4			GNSDIM	Spring Lake - Spring Lk outlet	43.0761	86.2142
MSCM4			GNSDIM	Muir 2E	42.9994	84.9081
ALLM4	04107850	#	KSJSIM	Allegan 4SE	42.4822	85.7983
FNVM4	04108500	#	KSJSIM	Fennville 3W	42.5933	85.9842
PLAM4	04106906	#	KSJSIM	Plainwell	42.4486	85.6494
PTGM4	04106300	#	KSJSIM	Kalamazoo 3S	42.2461	85.5758

\*\*\* ILX - Central Illinois, IL \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
BTHI2			ILOSIM	Astoria 9ESE (Bath)	40.1911	90.1969
LKCI2	05580500	#	SSLSIM	Kickapoo Creek	40.1917	89.3611
KCDI2	05575500	#	SSLSIM	Kincaid 3W	39.5789	89.3919
HSCI2	05581500	#	SSLSIM	Hartsburg 4NW	40.2222	89.4033

\*\*\* IWX - Northern Indiana, IN \*\*\*

NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
HDKM4	04096600	#	KSJSIM	Hodunk 3NW	42.0292	85.1064
WPGM4	04098500	#	KSJSIM	White Pigeon 3ESE	41.7822	85.5833

SAWM4		KSJSIM	Harbert 3E	Galien River	41.8736	86.5750
ATNM4	04096900	# KSJSIM	Athens 4SW	Nottawa Creek	42.0556	85.3083
*** LOT - Chicago, IL ***						
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
LNSI2	05536270	# CALSIM	Lansing	North Creek	41.5458	87.5583
MCCI3	04094500	# CALSIM	McCool 1N	Salt Creek	41.5967	87.1444
CHHI2	05536210	# CALSIM	Chicago Heights	Thorn Creek	41.5139	87.6353
CHII2		ILOSIM	Chicago 3E	Chicago River	41.8833	87.6333
ROMI2	05536995	ILOSIM	Romeoville	Chicago Sanitary & Ship Canal	41.6406	88.0606
HEBI3		KDFSIM	Hebron 4S - US 231	Kankakee River	41.2599	87.1991
LWLI2	05555500	# KDFSIM	Lowell	Vermilion River	41.2553	89.0122
*** LSX - St. Louis, MO ***						
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
CHGI2	05585830	# ILOSIM	Chambersburg	McKee Creek	39.8178	90.6544
1845		MISSIM	Big Spring	Loutre River	38.8028	91.4858
1847		MISSIM	St Charles 1E	Missouri River	38.7856	90.4719
1846		MISSIM	Washington	Missouri River	38.5611	91.0094
NSFM7		TMOSIM	Newark	South Fabius River	39.9853	91.9739
*** MKX - Milwaukee, WI ***						
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
MBLW3		EWSSIM	Montello - Buffalo Lk	Fox River	43.7856	89.3286
MMRW3		EWSSIM	Montello	Montello River	43.7931	89.3286
RSSW3		EWSSIM	Racine - Spring St	Root River	42.7333	87.7667
WMTW3	05546500	# KDFSIM	Wilmot	Fox River	42.5111	88.1792
HUSW3	05424082	# RCKSIM	Hustisford	Rock River	43.3456	88.5978
NVIW3		RCKSIM	Newville - Lk Koshkonong	Rock River	42.8575	88.9408
STTW3		RCKSIM	Stoughton 4NW - Lk Kegonsa	Yahara River	42.9542	89.2797
*** MPX - Minneapolis, MN ***						
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
SNDW3		CHPSIM	Sand Creek	Red Cedar River	45.1675	91.6872
BARW3		CHPSIM	Barron	Yellow River	45.3953	91.8300
AMBW5		MINSIM	Amboy WWTP	Blue Earth River	43.8947	94.1992
SKPM5		MINSIM	Shakopee	Minnesota River	44.8003	93.5267
NFYM5	05292704	# MINSIM	Rosen 3NNW	North Fork Yellow Bank River	45.1892	96.4150
ESRM5	05274000	# RDWSIM	Sauk Rapids 6E	Elk River	45.5869	94.0400
MTLM5	05245500	# RDWSIM	Motley	Long Prairie River	46.3167	94.6500
HSNM5	05278565	# RDWSIM	Hutchinson 1N - Otter Lk	South Fork Crow River	44.8956	94.3689
WTTM5		RDWSIM	Watertown	South Fork Crow River	44.9636	93.8461
SFBM5	05274900	# RDWSIM	Big Lake 4N	St Francis River	45.3853	93.7339
SGOM5	05274700	# RDWSIM	Foley 10SE (Santiago)	St Francis River	45.5422	93.8103
*** MQT - Marquette, MI ***						
NWSLI	USGS ID	Group	Station Name	River Name	LAT (N)	LON (W)
CCRM4	04059754	# MENSIM	Cedar River 2N	Cedar River	45.4383	87.3600
MICM4	04062230	# MENSIM	Michigamme 5SE	Michigamme River	46.4667	88.0744
REPM4	04062300	# MENSIM	Republic	Michigamme River	46.3842	87.9800
STUM4	04065548	# MENSIM	Loretto 2NE	Sturgeon River	45.7897	87.7836
AULM4		UPMSIM	Au Train	Au Train River	46.4311	86.8350
AUTM4		UPMSIM	Au Train 1S	Au Train River	46.4125	86.8417
CHOM4		UPMSIM	Skandia 2NNW	Chocolay River	46.4056	87.2472
MSSM4	04035000	# UPMSIM	Rockland 6SE	East Branch Ontonagon River	46.6878	89.0731
ILKM4	04057000	# UPMSIM	Manistique 3NW - Indian Lk Outlet	Indian River	45.9917	86.2875
GFKM4	04047500	# UPMSIM	Germfask 1S	Manistique River	46.4300	85.9300
BLAM4	04055000	# UPMSIM	Manistique 12NE	Manistique River	46.0861	86.0594
MCCM4	04043800	# UPMSIM	Marquette 4NW	McClure Storage Bsn Release	46.5719	87.4764
RCLM4	04035500	# UPMSIM	Rockland 3SE	Middle Branch Ontonagon River	46.6992	89.1600
MRNM4	04031500	# UPMSIM	Marenisco	Presque Isle River	46.3700	89.6997
WFRM4	04057610	# UPMSIM	Rapid River 1E	Whitefish River	45.9256	86.9458