NCRFC forecast points by Forecast Group Generated Sunday December 29 2024

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

*** CAL - Little Calumet R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
HDDI3	05536179	Dyer	Hart Ditch	LOT	12.0	11.0	11.0	12.0	13.0	14.0	41.5078	87.5100	FH
THNI2	05536275	Thornton	Thorn Creek	LOT	9.0	7.5	7.5	9.0	14.0	15.5	41.5683	87.6078	FH
LCMI3	05536195	Munster - Hohman Ave.	Little Calumet River	LOT	12.0	11.5	11.5	12.0	14.0	17.0	41.5775	87.5222	FH
SHLI2	05536290	South Holland	Little Calumet River	LOT	16.0	12.0	12.0	16.0	17.5	19.5	41.6069	87.5978	F

*** CHP - Chippewa R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
FLCW3	05366500 #	Fall Creek 3N	Eau Claire River	MPX	11.0	10.0	10.0	11.0	14.0	17.0	44.8097	91.2806	F
ECLW3	05366800	Eau Claire	Chippewa River	MPX	773.0	764.0	764.0	773.0	776.0	778.0	44.8114	91.4983	F
DURW3	05369500	Durand	Chippewa River	MPX	13.0	12.0	12.0	13.0	15.5	17.0	44.6308	91.9714	F

*** CIW - Cedar/Iowa R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
LANM5	05455940 #	Lansing	Cedar River	ARX	18.0	14.0	14.0	18.0	20.0	22.0	43.7467	92.9586	FH
ASTM5		Austin WWTP	Cedar River	ARX	15.0	12.0	12.0	15.0	18.0	20.0	43.6544	92.9708	FH
TRCM5	05456500 #	Austin 3NW	Turtle Creek	ARX	10.5	7.0	7.0	10.5	12.0	14.0	43.6847	93.0394	FH
CCYI4	05457700	Charles City	Cedar River	ARX	12.0	9.0	9.0	12.0	15.0	18.0	43.0625	92.6731	F
JANI4	05458500	Janesville	Cedar River	DMX	13.0	10.0	10.0	13.0	15.0	18.0	42.6483	92.4650	F
FNHI4	05458900	Finchford	West Fork Cedar River	DMX	17.0	12.0	12.0	17.0	18.0	20.0	42.6294	92.5433	F
MCWI4	05459500	Mason City	Winnebago River	DMX	10.0	8.0	8.0	10.0	14.5	15.5	43.1650	93.1925	FH
SHRI4	05462000	Shell Rock	Shell Rock River	DMX	12.0	10.0	10.0	12.0	18.0	20.0	42.7119	92.5828	F
NHRI4	05463000	New Hartford	Beaver Creek	DMX	12.5	11.0	11.0	12.5	14.0	15.0	42.5728	92.6178	F
CEDI4	05463050	Cedar Falls	Cedar River	DMX	89.0	85.0	85.0	89.0	92.0	94.0	42.5376	92.4433	F
HUDI4	05463500	Hudson	Black Hawk Creek	DMX	14.0	13.0	13.0	14.0	15.0	19.0	42.4078	92.4631	F
ALOI4	05464000	Waterloo	Cedar River	DMX	13.0	8.5	8.5	13.0	19.0	21.0	42.4956	92.3342	F
VINI4	05464315	Vinton	Cedar River	DVN	15.0	14.0	14.0	15.0	18.0	19.0	42.1706	92.0233	F
PLOI4	05464420	Palo	Cedar River	DVN	12.5	11.0	11.0	12.5	15.5	17.0	42.0692	91.7850	F
CIDI4	05464500	Cedar Rapids	Cedar River	DVN	12.0	10.0	10.0	12.0	14.0	16.0	41.9719	91.6669	FM
CEBI4	05464780	Cedar Bluff	Cedar River	DVN	16.0	12.0	12.0	16.0	20.0	26.0	41.7872	91.3136	F
CNEI4	05465000	Conesville 4NE	Cedar River	DVN	13.0	12.0	12.0	13.0	15.0	16.5	41.4094	91.2906	F
ROWI4	05449500	Rowan 4NW	Iowa River	DMX	12.5	9.0	9.0	12.5	15.0	17.0	42.7600	93.6217	F
MIWI4	05451500	Marshalltown WWTP	Iowa River	DMX	19.0	14.0	14.0	19.0	23.0	26.0	42.0658	92.9075	FH
TMAI4	05451770	Tama 3W - Hwy E49	Iowa River	DMX	12.5	11.0	11.0	12.5	13.0	14.0	41.9642	92.6367	F
MROI4	05453100	Marengo	Iowa River	DVN	15.0	13.0	13.0	15.0	17.0	19.0	41.8128	92.0647	F
IOWI4	05454500	Iowa City No. 2	Iowa River	DVN	23.5	21.0	21.0	23.5	24.5	26.0	41.6567	91.5408	FM
KALI4	05455500	Kalona 1SSW	English River	DVN	14.0	13.0	13.0	14.0	16.0	18.0	41.4697	91.7144	F
LNTI4	05455700	Lone Tree 5SW - Tri County Bridge	Iowa River	DVN	16.0	14.0	14.0	16.0	18.5	22.0	41.4239	91.4786	F
CJTI4	05465100	Columbus Junction	Iowa River	DVN	23.0	19.0	19.0	23.0	25.0	26.5	41.2783	91.3467	F
WAPI4	05465500	Wapello	Iowa River	DVN	21.0	18.5	18.5	21.0	25.0	27.5	41.1781	91.1819	FMB
OKVI4	05465700	Oakville	Iowa River	DVN	11.0	8.0	8.0	11.0	15.0	20.0	41.1031	91.0636	F

*** DES - Des Moines R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
AVOM5		Avoca 7E - CSAH6	West Fork Des Moines River	FSD	1425.0	1423.0	1423.0	1425.0	1426.0	1428.0	43.9494	95.5069	F
AGNI4	05478265	Algona 1NNW	East Fork Des Moines River	DMX	17.0	13.0	13.0	17.0	18.0	22.0	43.0827	94.2306	F
DAKI4	05479000	Dakota City	East Fork Des Moines River	DMX	20.0	18.0	18.0	20.0	24.0	28.0	42.7239	94.1933	F
WBCI4	05481000	Webster City 2S	Boone River	DMX	14.0	9.0	9.0	14.0	17.0	19.0	42.4320	93.8058	F
GRMI4	05481950	Grimes 3E	Beaver Creek	DMX	14.0	11.0	11.0	14.0	16.0	17.0	41.6883	93.7356	F
EFWI4	05482500	Jefferson 2S	North Raccoon River	DMX	19.0	17.0	17.0	19.0	21.0	23.0	41.9881	94.3767	F
PROI4	05483300 #	Perry 1W	North Raccoon River	DMX	15.0	14.0	14.0	15.0	18.0	20.0	41.8353	94.1317	F
REDI4	05484000	Redfield 2E	South Raccoon River	DMX	20.0	18.0	18.0	20.0	24.0	27.0	41.5894	94.1511	FH
VNMI4	05484500	Van Meter	Raccoon River	DMX	17.0	15.0	15.0	17.0	22.0	23.0	41.5339	93.9497	FH
DMWI4	05484650	Des Moines - Hwy 28	Raccoon River	DMX	36.0	34.0	34.0	36.0	38.0	40.0	41.5636	93.7036	F
DEMI4	05484900	Des Moines - Fleur Dr	Raccoon River	DMX	12.0	8.0	8.0	12.0	16.0	25.0	41.5822	93.6419	F
NRWI4	05486000	Norwalk 2SE	North River	DMX	22.0	17.0	17.0	22.0	25.0	26.0	41.4578	93.6550	F
IDNI4	05486490	Indianola 5NNW	Middle River	DMX	23.0	19.0	19.0	23.0	26.0	28.0	41.4242	93.5872	F
AKWI4	05487470	Ackworth 2SW	South River	DMX	29.0	26.0	26.0	29.0	30.0	32.0	41.3372	93.4861	FH
BSSI4	05489000	Bussey 3 WNW	Cedar Creek	DMX	25.0	16.0	16.0	25.0	30.0	32.0	41.2189	92.9083	FH
WDOM5	05475350	Windom	Des Moines River	FSD	19.0	17.0	17.0	19.0	21.0	25.0	43.8906	95.1597	F
JCKM5	05476000	Jackson	Des Moines River	FSD	12.0	10.0	10.0	12.0	12.5	14.0	43.6208	94.9850	F
ESVI4	05476500	Estherville	Des Moines River	DMX	10.0	6.0	6.0	10.0	13.0	14.5	43.3975	94.8439	F
EMTI4	05476590	Emmetsburg 2NW	Des Moines River	DMX	11.0	9.0	9.0	11.0	13.0	15.0	43.1264	94.7061	F
HBTI4	05476750	Humboldt WTP	Des Moines River	DMX	10.0	7.0	7.0	10.0	13.0	14.0	42.7194	94.2203	F
FODI4	05480500	Ft Dodge	Des Moines River	DMX	10.5	9.0	9.0	10.5	16.0	17.0	42.5083	94.2033	F
STRI4	05481300	Stratford 4WSW	Des Moines River	DMX	19.0	14.0	14.0	19.0	25.0	27.0	42.2519	93.9969	F
DMOI4	05482000	Des Moines - 2nd Ave	Des Moines River	DMX	23.0	19.0	19.0	23.0	26.0	30.0	41.6120	93.6205	F
DESI4	05485500	Des Moines - SE 6th St	Des Moines River	DMX	24.0	20.0	20.0	24.0	26.0	30.0	41.5778	93.6053	F
EDYI4	05489200	Eddyville	Des Moines River	DMX	63.0	60.0	60.0	63.0	68.0	70.0	41.1511	92.6361	F
OTMI4	05489500	Ottumwa	Des Moines River	DMX	11.5	9.0	9.0	11.5	15.0	19.0	41.0108	92.4111	F
KEQI4	05490500	Keosauqua	Des Moines River	DVN	22.0	21.0	21.0	22.0	25.0	27.0	40.7278	91.9594	MBF
SFLM7	05490600	St Francisville 1N	Des Moines River	DVN	18.0	17.0	17.0	18.0	22.0	25.0	40.4625	91.5669	F

*** DEV - Devils Lake Basin, ND ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
DCBN8	05056500	Devils Lake 5SW-Creel Bay	Devils Lake	FGF	N/A	N/A	N/A	N/A	N/A	N/A	48.0994	98.9028	
ESLN8	05056665	Lakota 11S	Eastern Stump Lake	FGF	N/A	N/A	N/A	N/A	N/A	N/A	47.8686	98.3575	

*** EWS - Ern Wisconsin Basins to Lk MI ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
OCTW3	04071765	Oconto 5SW	Oconto River	GRB	9.0	7.0	7.0	9.0	12.0	14.0	44.8606	87.9839	F
LGLW3	04074950	Langlade	Wolf River	GRB	11.5	9.5	9.5	11.5	12.5	14.0	45.1900	88.7333	FBM
SHIW3		Shiocton	Wolf River	GRB	11.0	9.0	9.0	11.0	13.5	15.0	44.4444	88.5803	F
NEWW3	04079000	New London	Wolf River	GRB	9.0	7.0	7.0	9.0	10.5	11.1	44.3922	88.7403	F
ROYW3	04080000 #	Royalton	Little Wolf River	GRB	5.0	4.0	4.0	5.0	8.0	10.0	44.4125	88.8653	F
WPCW3	04081000 #	Waupaca	Waupaca River	GRB	6.0	5.0	5.0	6.0	7.5	9.0	44.3294	88.9961	F
PCNW3	04073365	Princeton	Fox River	MKX	9.5	7.5	7.5	9.5	11.0	12.0	43.8511	89.1339	F
BERW3	04073500	Berlin	Fox River	MKX	13.0	12.0	12.0	13.0	14.5	16.0	43.9539	88.9522	F
APLW3	04084445	Appleton	Fox River	GRB	8.4	7.0	7.0	8.4	9.0	10.5	44.2481	88.4231	FBM
SEBW3	04086000	Sheboygan	Sheboygan River	MKX	8.0	6.0	6.0	8.0	10.0	12.0	43.7417	87.7539	FH
FRKW3	04087220	Franklin	Root River	MKX	8.0	7.0	7.0	8.0	10.0	12.0	42.8736	87.9958	F
RAYW3	04087233	Raymond	Root River Canal	MKX	9.0	7.0	7.0	9.0	11.0	12.0	42.8153	87.9944	F
RACW3	04087240	Racine	Root River	MKX	7.0	6.0	6.0	7.0	7.5	8.0	42.7514	87.8236	F
CDRW3	04086500	Cedarburg	Cedar Creek	MKX	10.0	9.0	9.0	10.0	11.0	12.0	43.3231	87.9786	F
CEDW3	04086600	Cedarburg 3SE	Milwaukee River	MKX	11.0	10.0	10.0	11.0	13.0	14.0	43.2798	87.9429	F

*** FFH - Headwater/WFO Site Specific Only ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
DOBM5	05455970 #	Austin - 21st St NE	Dobbins Creek	ARX	11.5	N/A	9.0	11.5	14.0	18.0	43.6772	92.9397	H
BTNW3	05413500	Burton	Grant River	ARX	18.0	N/A	15.0	18.0	20.0	22.0	42.7203	90.8192	H

ONTW3	05407468		Ontario	Kickapoo River	ARX	16.0	N/A	14.0	16.0	18.0	19.0	43.7300	90.5888	H
HILW3	05404116	#	Hillsboro WWTP	West Branch Baraboo River	ARX	13.0	N/A	10.0	13.0	14.0	16.0	43.6528	90.3358	H
PTNM5			Preston WWTP	South Branch Root River	ARX	937.0	N/A	933.0	937.0	939.0	942.0	43.6672	92.0836	H
RBCM5	05372930	#	Rochester - US Hwy 14	Bear Creek	ARX	14.0	N/A	10.0	14.0	17.0	20.0	44.0075	92.4458	H
RCCM5	05372990	#	Rochester - 7th St NW	Cascade Creek	ARX	13.0	N/A	10.0	13.0	16.0	21.0	44.0308	92.4719	H
RCSM5	05372800	#	Rochester - US Hwy 14	South Fork Zumbro River	ARX	24.0	N/A	18.0	24.0	26.0	29.0	44.0072	92.4719	H
ROCM5	05372950	#	Rochester	Silver Creek	ARX	21.0	N/A	17.0	21.0	23.0	25.0	44.0289	92.4289	H
RVLW3	05414000		Rockville 2ENE	Platte River	ARX	9.0	N/A	7.0	9.0	11.0	13.0	42.7311	90.6400	H
WSPM5	05376100	#	Whitewater St Pk	Middle Fork Whitewater River	ARX	13.5	N/A	12.0	13.5	15.0	17.0	44.0372	92.1044	H
GASN8			Minot 4W	Gassman Coulee	BIS	12.0	N/A	N/A	12.0	N/A	N/A	48.2319	101.3728	H
LSNN8			Minot 4SE	Larson Coulee	BIS	9.0	N/A	N/A	9.0	N/A	N/A	48.2000	101.2286	H
VELN8	05119410		Velva	Bonnes Coulee	BIS	1519.0	N/A	N/A	1519.0	N/A	N/A	48.0583	100.9500	H
CLVI4			Clive - I80/35 (ALERT)	Walnut Creek	DMX	9.0	N/A	8.0	9.0	14.0	15.0	41.6114	93.7764	H
DFMI4	05485640		Des Moines - Easton Blvd	Four Mile Creek	DMX	12.5	N/A	9.0	12.5	14.0	16.0	41.6139	93.5453	H
DOSI4	05484800		Des Moines - 63rd St	Walnut Creek	DMX	14.0	N/A	10.0	14.0	15.0	17.0	41.5872	93.7031	H
WAEI4			Waterloo 4E	Elk Run Creek	DMX	854.0	N/A	N/A	854.0	N/A	N/A	42.4981	92.2525	H
BHRM4	04166000		Birmingham	River Rouge	DTX	5.5	N/A	4.5	5.5	6.0	8.0	42.5458	83.2236	H
SFRM4	04166100		Southfield	Rouge River	DTX	12.0	N/A	12.0	12.0	14.0	16.0	42.4478	83.2978	H
COLM4	04146063		Columbiaville 3E	South Branch Flint River	DTX	6.0	N/A	N/A	6.0	N/A	N/A	43.1594	83.3508	H
DHEM4	04168580		Dearborn Heights	Ecorse Creek	DTX	8.0	N/A	N/A	8.0	N/A	N/A	42.2694	83.2897	H
FLSM4	04148295		Flint - Claude Ave.	Swartz Creek	DTX	10.0	N/A	N/A	10.0	11.0	12.0	42.9858	83.7389	H
FTCM4	04148440		Flint 4SE	Thread Creek	DTX	7.0	6.0	6.0	7.0	7.5	8.0	42.9750	83.6358	H
LHCM4			Lapeer - McCormick Dr	Hunters Creek	DTX	820.0	N/A	N/A	820.0	N/A	N/A	43.0419	83.3069	H
LSFM4			Lapeer - W Oregon Rd	South Branch Flint River	DTX	813.0	N/A	N/A	813.0	N/A	N/A	43.0583	83.3067	H
MSPM4			Midland	Sturgeon Creek	DTX	611.0	N/A	N/A	611.0	N/A	N/A	43.6411	84.2664	H
APRI2	05419000		Hanover	Apple River	DVN	20.0	N/A	19.0	20.0	N/A	N/A	42.2500	90.2800	H
PINI2	05556500		Princeton	Big Bureau Creek	DVN	14.0	N/A	12.0	14.0	N/A	N/A	41.3658	89.4983	H
OQUI2	05469000		Oquawka 7NE	Henderson Creek	DVN	21.5	N/A	20.0	21.5	N/A	N/A	41.0014	90.8542	H
PCKI2	05467000		Keithsburg	Pope Creek	DVN	24.0	N/A	22.0	24.0	N/A	N/A	41.1300	90.9200	H
WLCI4	05422560	#	Walcott 5SE - 110th Ave	Duck Creek	DVN	18.0	N/A	N/A	18.0	N/A	N/A	41.5567	90.6875	H
DKII4	05422600		Davenport 4NE - Kimberly Rd	Duck Creek	DVN	12.0	N/A	11.0	12.0	N/A	N/A	41.5461	90.5239	H
BETI4			Bettendorf	Duck Creek	DVN	572.0	N/A	571.0	572.0	N/A	N/A	41.5325	90.4747	H
DRNI4	05414500	#	Durango 3W	Little Maquoketa River	DVN	15.0	N/A	N/A	15.0	17.0	20.0	42.5550	90.7461	H
IRCI4	05454000		Iowa City 4NE	Rapid Creek	DVN	9.0	N/A	N/A	9.0	N/A	N/A	41.7000	91.4875	H
CRAI4	05454300		Coralville	Clear Creek	DVN	11.0	N/A	N/A	11.0	N/A	N/A	41.6767	91.5986	H
IOCI4	05455100		Iowa City 5SW	Old Mans Creek	DVN	12.0	N/A	N/A	12.0	N/A	N/A	41.6064	91.6156	H
MMCI4			Muscatine - Hwy 38	Mad Creek	DVN	599.0	N/A	598.0	599.0	N/A	N/A	41.4597	91.0319	H
CSRM5	05051000	#	Campbell 1W	South Fork Rabbit River	FGF	17.0	N/A	16.0	17.0	N/A	N/A	46.0944	96.4111	H
MALM5	05104500		Malung 1.5NW - Blo So Fk	Roseau River	FGF	13.0	N/A	12.0	13.0	N/A	N/A	48.7947	95.7422	H
DWGN8	05052500		Dwight 1NE - Cnty Rd 10	Antelope Creek	FGF	38.0	N/A	37.0	38.0	N/A	N/A	46.3117	96.7342	H
LTRN8	05082625		Larimore 5ENE	Turtle River	FGF	8.0	N/A	N/A	8.0	12.0	15.0	47.9319	97.5142	H
RUSM5			Russell	Redwood River	FSD	14.0	N/A	12.0	14.0	17.0	20.0	44.3222	95.9528	H
HOWW3	04072150		Howard	Duck Creek	GRB	18.0	N/A	15.0	18.0	20.0	23.0	44.5336	88.1294	H
STRW3	05399500		Stratford 1NW	Big Eau Pleine River	GRB	15.5	N/A	11.0	15.5	19.0	22.5	44.8219	90.0794	H
GPDM4			Grand Rapids - 44th St	Buck Creek	GRR	642.0	N/A	N/A	642.0	N/A	N/A	42.8847	85.7067	H
GARM4			Grand Rapids - Alpine Ave NW	Indian Mill Creek	GRR	5.0	N/A	N/A	5.0	N/A	N/A	42.9972	85.6881	H
WRDM4			Grand Rapids - W River Dr	Mill Creek	GRR	5.0	N/A	N/A	5.0	N/A	N/A	43.0339	85.6667	H
GRPM4	04119055		Grand Rapids - 28th St	Plaster Creek	GRR	9.0	N/A	N/A	9.0	N/A	N/A	42.9128	85.6506	H
BMII2	05580950		Bloomington	Sugar Creek	ILX	11.0	N/A	7.0	11.0	N/A	N/A	40.4719	89.0280	H
RLLI2	05578500		Rowell	Salt Creek	ILX	15.0	N/A	N/A	15.0	N/A	N/A	40.1150	89.0492	H
CDCI2	05536235		Chicago Heights 2NE	Deer Creek	LOT	10.0	N/A	9.0	10.0	N/A	N/A	41.5208	87.5903	H
DRFI2	05534500		Deerfield 2SE	North Branch Chicago River	LOT	10.0	N/A	8.5	10.0	12.0	13.5	42.1528	87.8186	H
DRRI2			Deerfield	WF NB Chicago River	LOT	8.0	N/A	N/A	8.0	N/A	N/A	42.1747	87.8697	H
WLRI2	05530000		Des Plaines	Weller Creek	LOT	8.0	N/A	7.0	8.0	N/A	N/A	42.0494	87.9181	H
EMHI2	05531300		Elmhurst	Salt Creek	LOT	11.0	N/A	10.5	11.0	12.0	14.0	41.8867	87.9594	H
FLSI2	05536255		Flossmoor 1E	Butterfield Creek	LOT	9.0	N/A	8.0	9.5	N/A	N/A	41.5400	87.6492	H
GLWI2	05536215		Glenwood	Thorn Creek	LOT	8.5	N/A	7.0	8.5	N/A	N/A	41.5303	87.6222	H
JHCI2	05539000		Joliet	Hickory Creek	LOT	16.5	N/A	16.0	16.5	19.0	24.0	41.5150	88.0733	H
MCDI2	05529500		Mount Prospect 3NE	McDonald Creek	LOT	N/A	N/A	N/A	7.0	N/A	N/A	42.0953	87.9128	H
LAFI2	05535000		Lake Forest	Skokie River	LOT	6.0	N/A	4.0	6.0	10.0	11.0	42.2325	87.8447	H
MNTI3	05536190		Munster	Hart Ditch	LOT	6.0	N/A	5.0	6.0	7.5	8.5	41.5611	87.4806	H
NBRI2	05535500		Northbrook	West Fork N Br Chicago River	LOT	8.0	N/A	7.0	8.0	N/A	N/A	42.1383	87.8344	H
OAKI2	05536340		Oak Forest	Midlothian Creek	LOT	6.0	N/A	5.5	6.0	7.0	8.5	41.6142	87.7294	H
PRTI3	04094000		Porter	Little Calumet River	LOT	8.0	N/A	7.0	7.0	N/A	N/A	41.6217	87.0869	H
ALPI2			Rockford - Alpine Dam	Keith Creek	LOT	193.0	N/A	N/A	193.0	N/A	N/A	42.2717	89.0250	H
LEVI2			Rockford - Levings Lk	South Branch Kent Creek	LOT	748.0	N/A	N/A	748.0	N/A	N/A	42.2600	89.1300	H
PPLI2			Rockford - Page Park Lk	Kent Creek	LOT	766.0	N/A	N/A	766.0	N/A	N/A	42.3067	89.1583	H
ROLI2	05530990		Rolling Meadows	Salt Creek	LOT	8.5	N/A	7.5	8.5	N/A	N/A	42.0605	88.0166	H
SCHI2	05551200		St Charles 2NW	Ferson Creek	LOT	6.0	N/A	5.0	5.0	N/A	N/A	41.9328	88.3408	H
WHEI2	05528500		Wheeling 3W	Buffalo Creek	LOT	4.5	N/A	4.0	4.5	N/A	N/A	42.1514	87.9569	H
WLSI2	05533000		Willow Springs 1NW	Flag Creek	LOT	10.0	N/A	9.0	10.0	12.0	13.0	41.7389	87.8964	H
YRKI2	05551700		Yorkville	Blackberry Creek	LOT	7.0	N/A	6.5	7.0	12.0	14.0	41.6717	88.4414	H
LSLM7	05514712	#	Lake St Louis	Peruque Creek	LSX	8.0	N/A	7.0	8.0	10.0	13.0	38.7869	90.8275	H
LSTM7			Lake St Louis	Peruque Creek	LSX	500.0	N/A	N/A	500.0	N/A	N/A	38.8017	90.7661	H
CSNM7	07010350		Cook Station 1N	Meramec River	LSX	7.0	N/A	5.5	7.0	N/A	N/A	37.8292	91.4375	H
BUNW3	05415000	#	Hazel Green 3ESE-Buncombe Rd	Galena River	MKX	15.0	N/A	14.5	15.0	17.0	19.0	42.5136	90.3778	H
KINW3	04087159		Milwaukee - S 11th St	Kinnickinnic River	MKX	16.0	N/A	N/A	16.0	17.0	18.0	42.9975	87.9264	H
MAZW3			Mazomanie	Black Earth Creek	MKX	10.0	N/A	8.0	10.0	13.0	15.0	43.1764	89.8183	H
WWTW3	04087120		Wauwatosa	Menomonee River	MKX	11.0	N/A	8.0	11.0	15.0	18.0	43.0456	87.9997	H
SNCM5			Jordan	Sand Creek	MPX	10.0	N/A	9.0	10.0	11.0	12.0	44.6683	93.6344	H
PNLM5			Pine Island 1S	Middle Fork Zumbro River	MPX	17.0	N/A	16.0	17.0	19.0	21.0	44.1928	92.6492	H
PILM5	05373130	#	Pine Island	N Br Mdl Fk Zumbro River	MPX	9.0	N/A	8.0	9.0	11.0	13.0	44.2028	92.6450	H
WGOM5			Wanamingo 1NW	North Fork Zumbro River	MPX	18.0	N/A	17.0	18.0	20.0	22.0	44.3125	92.8131	H
TRRM4	04043050		Lake Linden 2NE	Trap Rock River	MQT	10.5	N/A	9.5	10.5	12.0	13.5	47.2286	88.3853	H
MSQM4	04056500		Manistique 6NE	Manistique River	MQT	12.0	N/A	11.0	12.0	N/A	N/A	46.0306	86.1611	H
BGLM4	04036000		Bergland 2E	West Branch Ontonagon River	MQT	8.0	N/A	5.0	8.0	N/A	N/A	46.5875	89.5417	H
CHPM4	04062200	#	Champion 4NW	Peshekee River	MQT	8.5	N/A	2.5	8.5	11.0	13.0	46.5569	88.0025	H
CSPM4	04060500		Caspian	Iron River	MQT	11.0	N/A	10.0	11.0	13.0	15.0	46.0586	88.6272	H
PAUM4	04033000		Paulding 6SE	Middle Branch Ontonagon River	MQT	12.0	N/A	11.0	12.0	14.0	16.0	46.3569	89.0772	H
FRDM4	04059500		Hyde 2N	Ford River	MQT	8.0	N/A	6.0	8.0	11.0	13.0	45.7556	87.2014	H
SLVM4	04043150		L'Anse 7NE	Silver River	MQT	14.0	N/A	13.0	14.0	17.0	19.0	46.8042	88.3169	H
NJNM4	04057510		Nahma Junction 3N	Sturgeon River	MQT	10.0	N/A	8.0	10.0	14.0	16.0	45.9431	86.7056	H

*** GND - Grand, Muskegon/White Basins, MI ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
BUCM4	04119160	Grandville - Wilson Ave	Buck Creek	GRR	9.0	7.5	7.5	9.0	10.5	12.0	42.9025	85.7627	F
JACM4	04109000	Jackson WWTP	Grand River	GRR	14.0	13.0	13.0	14.0	15.0	16.0	42.2847	84.4083	FH
ETNM4		Eaton Rapids	Grand River	GRR	6.0	5.0	5.0	6.0	8.0	9.0	42.5128	84.6539	F
DMDM4		Dimondale	Grand River	GRR	13.0	11.0	11.0	13.0	14.0	16.0	42.6450	84.6503	F
WMSM4	04111379	Williamston 3E	Red Cedar River	GRR	9.0	7.0	7.0	9.0	10.0	10.5	42.6831	84.2192	F
ELNM4	04112500	East Lansing	Red Cedar River	GRR	7.0	6.0	6.0	7.0	10.0	13.0	42.7278	84.4778	F
HHTM4	04112850	Holt 2E	Sycamore Creek	GRR	8.0	6.0	6.0	8.0	9.0	10.0	42.6403	84.4828	FH
LNSM4	04113000	Lansing	Grand River	GRR	11.0	10.0	10.0	11.0	13.0	15.0	42.7506	84.5553	F
GDLM4		Grand Ledge 1NW	Grand River	GRR	11.0	10.0	10.0	11.0	13.0	15.0	42.7631	84.7622	F
PORM4	04114000	Portland	Grand River	GRR	12.0	11.0	11.0	12.0	14.0	16.0	42.8564	84.9122	F
EAGM4	04114498	Eagle 2NNE	Looking Glass River	GRR	7.0	5.0	5.0	7.0	9.0	11.0	42.8281	84.7594	FH
MRPM4	04115000	Maple Rapids	Maple River	GRR	9.0	7.0	7.0	9.0	11.0	13.0	43.1097	84.6931	F
IONM4	04116000	Ionia	Grand River	GRR	21.0	13.5	13.5	21.0	23.0	25.0	42.9719	85.0692	F
SMYM4	04116500	Smyrna	Flat River	GRR	8.5	5.5	5.5	8.5	9.5	10.5	43.0528	85.2647	F
LWLM4		Lowell 1SE	Grand River	GRR	15.0	10.0	10.0	15.0	18.0	20.0	42.9250	85.3428	F
HSTM4	04117500	Hastings 3SE	Thornapple River	GRR	7.0	5.0	5.0	7.0	9.0	10.0	42.6158	85.2364	F
CLDM4	04118000	Caledonia 2NE	Thornapple River	GRR	10.0	8.0	8.0	10.0	12.0	14.0	42.8111	85.4833	F
ADAM4	04118105	Ada	Grand River	GRR	20.0	17.0	17.0	20.0	22.0	25.0	42.9569	85.4775	F
ROCM4	04118500	Rockford 3SW	Rogue River	GRR	8.0	7.0	7.0	8.0	10.0	11.0	43.0822	85.5908	F
GDRM4	04119000	Grand Rapids	Grand River	GRR	18.0	12.0	12.0	18.0	21.0	23.0	42.9644	85.6764	F
SCTM4	04122500	Scottville	Pere Marquette River	GRR	5.5	4.0	4.0	5.5	6.5	7.0	43.9450	86.2786	F
WHTM4	04122200	Whitehall	White River	GRR	6.0	5.0	5.0	6.0	7.0	8.0	43.4642	86.2325	F
EVRM4	04121500	Evart	Muskegon River	GRR	12.0	10.0	10.0	12.0	13.0	14.0	43.8992	85.2553	MBF
MORM4	04121900	# Morley 5E	Little Muskegon River	GRR	6.0	4.0	4.0	6.0	7.0	8.0	43.5025	85.3425	F
OKGM4	04121944	Croton 3E (Oak Grove)	Little Muskegon River	GRR	N/A	N/A	N/A	N/A	N/A	N/A	43.4308	85.5956	BMI
CROM4	04121970	Croton - Croton Dam	Muskegon River	GRR	9.0	8.0	8.0	9.0	11.0	12.0	43.4347	85.6653	F
NEWM4	04122001	Newaygo - Bridge St	Muskegon River	GRR	11.0	10.0	10.0	11.0	14.0	15.0	43.4169	85.8083	F
BDGM4	04122025	Bridgeton	Muskegon River	GRR	13.0	12.0	12.0	13.0	16.0	17.0	43.3472	85.9394	F

*** ILO - Mainstem Illinois R ***

NWSLI	USGS ID		Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
MORI2	05542500		Morris	Illinois River	LOT	16.0	13.0	13.0	16.0	18.0	22.0	41.3542	88.4286	MEF
MMOI2			Marseilles L&D 2W	Illinois River	LOT	467.0	466.0	466.0	467.0	469.5	473.0	41.3283	88.7533	MF
OTWI2			Ottawa	Illinois River	LOT	463.0	461.0	461.0	463.0	467.0	471.0	41.3444	88.8392	F
SRDI2	05553700	#	Utica-Starved Rock L&D 6	Illinois River	LOT	450.0	449.0	449.0	450.0	460.0	465.0	41.3247	88.9858	MF
LSLI2	05556000	#	La Salle 1S	Illinois River	LOT	20.0	19.0	19.0	20.0	27.0	31.0	41.3235	89.1107	MEF
HNYI2	05558300		Henry	Illinois River	ILX	23.0	22.0	22.0	23.0	24.0	31.0	41.1072	89.3563	MEF
PIAI2	05560000	#	Peoria - Boat Yard	Illinois River	ILX	18.0	17.0	17.0	18.0	22.0	28.0	40.7022	89.5644	MEF
PRAI2	05563600	#	Peoria 5SSW - L&D 7	Illinois River	ILX	447.0	444.0	444.0	447.0	449.0	455.0	40.6317	89.6250	MF
HAVI2	05570500	#	Havana	Illinois River	ILX	14.0	13.0	13.0	14.0	17.0	23.0	40.2942	90.0683	MEF
BEAI2	05584000	#	Beardstown	Illinois River	ILX	14.0	13.0	13.0	14.0	18.0	28.0	40.0203	90.4367	MEF
NLGI2	05585100	#	La Grange L&D 8	Illinois River	LSX	23.0	21.0	21.0	23.0	27.0	29.0	39.9403	90.5344	MF
MROI2	05585500		Meredosia Pwr Plant	Illinois River	LSX	17.0	14.0	14.0	17.0	22.0	24.0	39.8233	90.5681	MEF
VALI2	05586100		Valley City	Illinois River	LSX	14.0	11.0	11.0	14.0	21.0	23.0	39.7033	90.6453	MEF
HARI2	05587060		Hardin	Illinois River	LSX	25.0	24.0	24.0	25.0	31.0	32.0	39.1603	90.6153	MEF

*** KBM - Kaskaskia and Big Muddy R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
VNDI2	05592500	Vandalia WWTP	Kaskaskia River	LSX	18.0	16.0	16.0	18.0	24.0	26.0	38.9653	89.0889	F
KCAI2	05593000	Carlyle - Us Hwy 50	Kaskaskia River	LSX	16.5	15.0	15.0	16.5	23.0	27.0	38.6103	89.3575	F
NASI2	05595000	New Athens	Kaskaskia River	LSX	79.0	77.0	77.0	79.0	82.0	85.0	38.3197	89.8886	F
PLMI2	05597000	Plumfield	Big Muddy River	PAH	20.0	18.0	18.0	20.0	27.0	34.0	37.8914	89.0194	F
MURI2	05599490	Murphysboro 2SW-WWTP & Rte 127	Big Muddy River	PAH	22.0	20.0	20.0	22.0	28.0	36.0	37.7583	89.3278	F

*** KDF - Illinois R tribs abv LaSalle, IL ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
NBPI2	05536085	Chicago - N. Pulaski Rd	North Branch Chicago River	LOT	18.0	16.5	16.5	18.0	20.0	21.0	41.9747	87.7283	F
RUSI2	05527800	Russell	Des Plaines River	LOT	7.0	6.5	6.5	7.0	9.0	10.0	42.4894	87.9256	F
GUNI2	05528000	Gurnee 3SW	Des Plaines River	LOT	7.0	6.5	6.5	7.0	9.0	11.0	42.3442	87.9383	F
LDRI2	05528100	Lincolnshire	Des Plaines River	LOT	12.5	11.5	11.5	12.5	14.0	15.5	42.2006	87.9181	F
DSPI2	05529000	Des Plaines 3N	Des Plaines River	LOT	15.0	13.5	13.5	15.0	18.0	19.0	42.0872	87.8872	F
RVFI2	05530750	River Forest	Des Plaines River	LOT	16.0	13.0	13.0	16.0	17.5	18.5	41.8883	87.8328	F
RVRI2	05532500	Riverside	Des Plaines River	LOT	7.5	7.0	7.0	7.5	8.0	9.0	41.8217	87.8219	F
LEMI2	05533600	Lemont 1NW	Des Plaines River	LOT	10.0	9.5	9.5	10.0	13.0	15.0	41.6722	88.0294	F
WRNI2	05540095	Warrenville	West Branch Du Page River	LOT	12.5	11.0	11.0	12.5	14.5	17.5	41.8175	88.1714	F
BOLI2	05540250	Bolingbrook	East Branch Du Page River	LOT	20.0	18.0	18.0	20.0	22.0	24.0	41.7181	88.0706	F
NDRI2	05540290	Plainfield	Du Page River	LOT	12.0	10.0	10.0	12.0	14.0	15.0	41.6900	88.1664	F
SORI2	05540500	Shorewood	Du Page River	LOT	15.0	14.5	14.5	15.0	17.0	19.0	41.5222	88.1925	FH
WKEW3	05543830	Waukesha	Fox River	MKX	6.0	5.0	5.0	6.0	8.0	10.0	43.0047	88.2436	FH
NMSW3	05545750	New Munster 2N	Fox River	MKX	11.0	10.0	10.0	11.0	13.0	14.0	42.6108	88.2258	F
AFBI2	05550001	Algonquin (Footbridge)	Fox River	LOT	9.5	9.0	9.0	9.5	10.5	12.0	42.1619	88.2939	F
MNGI2	05551540	Montgomery	Fox River	LOT	13.5	13.0	13.0	13.5	15.0	16.0	41.7336	88.3333	F
DAYI2	05552500	Dayton	Fox River	LOT	12.0	11.0	11.0	12.0	14.0	24.0	41.3839	88.7897	F
DAVI3	05515500	Davis	Kankakee River	IWX	10.0	9.0	9.0	10.0	12.0	13.0	41.3896	86.7062	F
PYMI3	05516500	Plymouth	Yellow River	IWX	13.0	11.0	11.0	13.0	14.0	15.0	41.3403	86.3044	F
KNXI3	05517000	Knox WWTP	Yellow River	IWX	10.0	9.0	9.0	10.0	12.0	13.0	41.3028	86.6206	F
DBRI3	05517500	Dunns Bridge (Wheatfield 5NE)	Kankakee River	LOT	10.0	9.5	9.5	10.0	12.0	13.0	41.2194	86.9686	F
SLBI3	05518000	Shelby	Kankakee River	LOT	10.5	9.5	9.5	10.5	11.5	12.5	41.1828	87.3403	F
MOMI2	05520500	Momence	Kankakee River	LOT	5.0	4.5	4.5	5.0	6.5	9.0	41.1600	87.6686	F
RZLI3	05522500	Rensselaer	Iroquois River	LOT	12.0	11.0	11.0	12.0	14.0	15.0	40.9333	87.1289	F
FSMI3	05524500	Iroquois River Near Foresman	Iroquois River	LOT	18.0	15.0	15.0	18.0	22.0	24.0	40.8706	87.3067	F
IRQI2	05525000	Iroquois	Iroquois River	LOT	18.0	17.0	17.0	18.0	24.0	25.0	40.8236	87.5819	F
MILI2	05525500	Milford 1W	Sugar Creek	LOT	18.0	15.0	15.0	18.0	22.0	26.0	40.6300	87.7239	F
CHBI2	05526000	Chebanse 5E	Iroquois River	LOT	16.0	15.0	15.0	16.0	18.0	20.0	41.0089	87.8242	F
WLMI2	05527500	Wilmington 3NW	Kankakee River	LOT	6.5	5.0	5.0	6.5	8.0	10.0	41.3467	88.1864	F
COLI2	05542000	Coal City 4W	Mazon River	LOT	12.0	10.0	10.0	12.0	16.0	19.0	41.2861	88.3597	F
PNTI2	05554500	Pontiac	Vermilion River	LOT	14.0	13.0	13.0	14.0	15.0	18.0	40.8778	88.6361	F
LNRI2	05555300	Leonore 3NE	Vermilion River	LOT	16.0	15.5	15.5	16.0	21.0	26.0	41.2083	88.9308	F

*** KSJ - Kalamazoo/St Joseph Bsns-MI & IN ***

NWSLI	USGS ID		Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
MARM4	04103500		Marshall	Kalamazoo River	GRR	8.0	6.0	6.0	8.0	9.0	10.0	42.2653	84.9653	F
BCRM4	04105000		Battle Creek	Battle Creek	GRR	4.0	3.0	3.0	4.0	5.0	6.0	42.3319	85.1542	F
BTCM4	04105500		Battle Creek	Kalamazoo River	GRR	9.0	7.0	7.0	9.0	10.0	11.0	42.3239	85.1975	F
CMSM4	04106000		Comstock	Kalamazoo River	GRR	9.0	7.0	7.0	9.0	10.0	11.0	42.2856	85.5139	F
RCMM4	04108660		New Richmond	Kalamazoo River	GRR	17.0	15.0	15.0	17.0	19.0	21.0	42.6508	86.1067	F
BURM4	04096405		Burlington	St Joseph River	GRR	6.5	6.0	6.0	6.5	9.0	11.0	42.1031	85.0800	F
VCKM4	04097170	#	Vicksburg 1 NE	Portage River	GRR	5.5	5.0	5.0	5.5	7.0	8.0	42.1147	85.4856	F
TRVM4	04097500		Three Rivers	St Joseph River	IWX	7.0	6.0	6.0	7.0	9.0	11.0	41.9403	85.6328	F
MOTM4	04099000		Mottville	St Joseph River	IWX	8.0	7.0	7.0	8.0	9.0	10.0	41.8008	85.7561	F
CPEI3	04100222		Cosperville	North Branch Elkhart River	IWX	6.0	5.0	5.0	6.0	7.0	8.0	41.4817	85.4756	F
GSHI3	04100500		Goshen	Elkhart River	IWX	7.0	6.0	6.0	7.0	9.0	11.0	41.5933	85.8486	F
EKMI3	04101000		Elkhart Public Works	St Joseph River	IWX	24.0	23.0	23.0	24.0	25.0	27.0	41.6917	85.9750	F
SBNI3	04101225		South Bend WWTP	St Joseph River	IWX	5.5	4.5	4.5	5.5	8.0	9.0	41.7203	86.2692	F
NILM4	04101500		Niles WWTP	St Joseph River	IWX	11.0	7.0	10.0	11.0	14.0	15.0	41.8292	86.2597	F

*** LOW - Lake of the Woods Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
SKRM5	05125000	Ely 9SE	South Kawishiwi River	DLH	6.5	5.5	5.5	6.5	7.5	8.5	47.8400	91.6953	F
LFKM5	05131500	Little Fork 10SW & Rvr	Little Fork River	DLH	22.0	20.0	20.0	22.0	24.0	26.0	48.3958	93.5492	F
CLKM5	05129115	Crane Lake 4W	Vermilion River	DLH	14.0	12.0	12.0	14.0	16.0	18.0	48.2647	92.5658	F

*** M10 - Miss. R - Lake City, MN-L&D 10 ***

NWSLI	USGS ID		Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
RCHM5	05372995		Rochester - 37th St	South Fork Zumbro River	ARX	14.0	11.0	11.0	14.0	18.0	20.0	44.0617	92.4664	FH
ZUMM5	05374000		Zumbro Falls	Zumbro River	ARX	18.0	15.0	15.0	18.0	24.0	26.0	44.2856	92.4300	FH
LNSM5	05384120	#	Lanesboro	South Branch Root River	ARX	12.0	10.0	10.0	12.0	16.0	18.0	43.7219	91.9789	FH
HOUM5	05385000		Houston 1N	Root River	ARX	15.0	12.0	12.0	15.0	17.0	18.0	43.7686	91.5697	FH
BLFI4	05387440		Bluffton	Upper Iowa River	ARX	14.0	11.0	11.0	14.0	16.0	18.0	43.4069	91.8983	F
DEHI4	05387500		Decorah	Upper Iowa River	ARX	12.0	9.0	9.0	12.0	13.0	14.0	43.3050	91.7953	FH
DCHI4	05388250		Dorchester Hwy 76	Upper Iowa River	ARX	14.0	11.0	11.0	14.0	17.0	19.0	43.4211	91.5086	FH
SPLI4	05411600		Spillville	Turkey River	ARX	9.0	7.0	7.0	9.0	11.0	13.0	43.2072	91.9503	F
EKDI4	05412020		Elkader 1SE	Turkey River	ARX	12.0	10.0	10.0	12.0	16.0	20.0	42.8433	91.4011	F
GRBI4	05412500		Garber	Turkey River	ARX	17.0	14.0	14.0	17.0	20.0	23.0	42.7400	91.2617	FH
LKCM5			Lake City -Lake Pepin	Mississippi River	ARX	16.0	13.0	13.0	16.0	18.0	20.0	44.4500	92.2633	MEF
WABM5	05371500	#	Wabasha (Pool 4 CP)	Mississippi River	ARX	12.0	10.0	10.0	12.0	14.0	16.0	44.3867	92.0369	MEF
ALMW3			Alma L&D 4	Mississippi River	ARX	16.0	10.0	10.0	16.0	17.0	18.0	44.3264	91.9192	MF
MSCM5			Minnesota City L&D 5	Mississippi River	ARX	660.0	657.0	657.0	660.0	662.0	665.0	44.1600	91.8122	MF
WIDM5	05378490		Winona L&D 5A	Mississippi River	ARX	655.0	650.0	650.0	655.0	659.0	661.0	44.0878	91.6706	MF
WNAM5	05378500		Winona	Mississippi River	ARX	13.0	11.0	11.0	13.0	15.0	18.0	44.0558	91.6378	MEF
TREW3			Trempealeau L&D 6	Mississippi River	ARX	647.0	644.0	644.0	647.0	649.0	651.0	43.9994	91.4383	MF
LCRM5	05380590	#	La Crescent L&D 7	Mississippi River	ARX	641.0	638.0	638.0	641.0	643.0	645.0	43.8669	91.3114	MF
LACW3	05383500	#	La Crosse (Pool 8 CP)	Mississippi River	ARX	12.0	10.0	10.0	12.0	13.0	15.5	43.8125	91.2569	MEF
GENW3			Genoa L&D 8	Mississippi River	ARX	631.0	625.2	625.2	631.0	634.0	636.0	43.5708	91.2300	MF
LNSI4			Lansing (Pool 9 CP)	Mississippi River	ARX	17.0	12.0	12.0	17.0	19.0	20.0	43.3603	91.2131	MEF
LYNW3	05388410	#	Lynxville L&D 9	Mississippi River	ARX	625.0	619.0	619.0	625.0	628.0	631.0	43.2117	91.0986	MF
MCGI4	05389500		McGregor	Mississippi River	ARX	16.0	13.0	13.0	16.0	19.0	22.0	43.0247	91.1725	MEF
GTTI4			Guttenberg L&D 10	Mississippi River	ARX	15.0	12.0	12.0	15.0	18.0	21.0	42.7850	91.0950	MEF

*** M19 - Miss. R - L&D 11-Gregory Landing ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE

DLDI4	05414700	#	Dubuque L&D 11	Mississippi River	DVN	16.0	15.0	15.0	16.0	17.0	20.5	42.5406	90.6458	MF
DBQI4			Dubuque	Mississippi River	DVN	17.0	15.0	15.0	17.0	18.0	21.5	42.4997	90.6528	MEF
BLVI4	05416100	#	Bellevue L&D 12	Mississippi River	DVN	17.0	16.0	16.0	17.0	18.0	20.0	42.2608	90.4231	MF
FLTI2	05420400		Fulton L&D 13	Mississippi River	DVN	16.0	15.0	15.0	16.0	18.0	20.0	41.8981	90.1539	MF
CMMI4	05420500		Camanche	Mississippi River	DVN	17.0	16.0	16.0	17.0	18.5	20.5	41.7806	90.2519	MEF
LECI4	05422400	#	Le Claire - L&D 14	Mississippi River	DVN	11.0	10.0	10.0	11.0	12.0	13.5	41.5744	90.4031	MF
RCKI2			Rock Island L&D 15	Mississippi River	DVN	15.0	13.0	13.0	15.0	16.0	18.0	41.5181	90.5644	MEF
ILNI2			Illinois City L&D 16	Mississippi River	DVN	15.0	14.0	14.0	15.0	16.0	18.0	41.4250	91.0117	MF
MUSI4			Muscatine	Mississippi River	DVN	16.0	15.0	15.0	16.0	18.0	20.0	41.3908	91.0553	MEF
NBOI2			New Boston 4NW - L&D 17	Mississippi River	DVN	15.0	14.0	14.0	15.0	16.5	18.5	41.1922	91.0578	MF
KHBI2			Keithsburg	Mississippi River	DVN	14.0	13.0	13.0	14.0	15.5	17.0	41.0997	90.9450	MEF
GLDI2			Gladstone 4WNW - L&D 18	Mississippi River	DVN	10.0	9.0	9.0	10.0	12.0	14.0	40.8814	91.0225	MF
BRLI4			Burlington	Mississippi River	DVN	15.0	14.0	14.0	15.0	16.5	18.0	40.7981	91.0964	MEF
EOKI4	05474500	#	Keokuk L&D 19	Mississippi River	DVN	16.0	14.0	14.0	16.0	17.5	19.0	40.3936	91.3742	MF
GGYM7			Gregory Landing	Mississippi River	DVN	15.0	14.0	14.0	15.0	18.0	25.0	40.2794	91.4961	MF

*** MEC - Meramec R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
SEEM7	07013000	Steelville 2N	Meramec River	LSX	12.0	10.0	10.0	12.0	20.0	25.0	37.9986	91.3608	FH
SLLM7	07014500	Sullivan 4SE	Meramec River	LSX	11.0	9.0	9.0	11.0	20.0	29.0	38.1586	91.1083	F
UNNM7	07016500	Union	Bourbeuse River	LSX	15.0	13.0	13.0	15.0	22.0	26.0	38.4458	90.9917	FH
PCFM7	07017020	Pacific	Meramec River	LSX	15.0	13.0	13.0	15.0	23.0	27.0	38.4672	90.7350	F
BYRM7	07018500	Byrnesville 2NNE	Big River	LSX	16.0	13.0	13.0	16.0	20.0	28.0	38.3625	90.6514	FH
ERKM7	07019000	Eureka 2E	Meramec River	LSX	19.0	17.0	17.0	19.0	26.0	31.0	38.5047	90.5908	F
VLLM7	07019130	Valley Park	Meramec River	LSX	18.0	11.0	11.0	18.0	21.0	27.0	38.5464	90.4850	F
FNNM7	07019210	Fenton 1E - New Gravois Rd	Meramec River	LSX	23.0	22.0	22.0	23.0	29.0	32.0	38.5122	90.4314	F
ARNM7	07019300	Arnold 1N	Meramec River	LSX	24.0	22.0	22.0	24.0	35.0	38.0	38.4567	90.3606	F

*** MEN - Menominee R - NE WI & U.P. of MI ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
WLKM4	04062400 #	Witch Lake 2S-below Witch Lk	Michigamme River	MQT	9.0	8.5	8.5	9.0	10.0	12.0	46.2467	88.0125	F
CRYM4	04061500 #	Crystal Falls 1NW	Paint River	MQT	7.0	5.5	5.5	7.0	8.0	9.5	46.1058	88.3347	FH
FLOW3	04063000	Florence 4NE	Menominee River	GRB	9.0	8.5	8.5	9.0	11.0	13.0	45.9514	88.1892	FH
NIAW3	04065106	Niagara	Menominee River	GRB	13.0	10.0	10.0	13.0	15.0	16.0	45.7678	87.9806	F
VLCM4	04065722	Vulcan 3S	Menominee River	GRB	15.0	9.0	9.0	15.0	17.0	19.0	45.7367	87.8633	F
MCAW3	04067500	Wausaukee 15E (McAllister)	Menominee River	GRB	15.0	12.0	12.0	15.0	18.0	19.0	45.3258	87.6633	F

*** MIN - Minnesota R abv Shakopee, MN ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
DAWM5	05299800 #	Dawson	West Branch Lac Qui Parle River	MPX	39.0	36.0	36.0	39.0	40.0	42.0	44.9297	96.0514	F
PVRS2	05290000	Peever 6NE	Little Minnesota River	ABR	17.0	16.0	16.0	17.0	22.0	24.0	45.6161	96.8753	FH
BSLM5		Ortonville - Big Stone Lk	Minnesota River	ABR	970.0	969.0	969.0	970.0	971.5	973.5	45.3092	96.4681	F
MVOM5	05311000	Montevideo	Minnesota River	MPX	14.0	12.0	12.0	14.0	16.0	17.5	44.9333	95.7333	F
GTEM5	05311150	Granite Falls	Minnesota River	MPX	885.0	883.0	883.0	885.0	889.0	892.0	44.8056	95.5439	F
MSHM5	05315000	Marshall 1W	Redwood River	FSD	14.0	12.0	12.0	14.0	17.0	18.5	44.4303	95.8294	FH
RWDM5	05316500	Redwood Falls 3SW	Redwood River	MPX	6.0	5.0	5.0	6.0	15.0	16.0	44.5236	95.1722	F
MTNM5	05316580	Morton 1SW	Minnesota River	MPX	21.0	18.0	18.0	21.0	23.0	26.0	44.5461	94.9961	F
NULM5	05316770	New Ulm 2SE	Minnesota River	MPX	800.0	796.0	796.0	800.0	804.0	806.0	44.2969	94.4336	F
SPFM5	05316950 #	Springfield 4SW	Cottonwood River	MPX	22.0	19.0	19.0	22.0	27.0	32.0	44.2033	95.0481	F
NWUM5	05317000	New Ulm 2SSE	Cottonwood River	MPX	11.0	9.0	9.0	11.0	13.0	16.0	44.2892	94.4397	F
MNKM5	05325000	Mankato	Minnesota River	MPX	22.0	15.0	15.0	22.0	25.0	30.0	44.1689	94.0031	F
HENM5		Henderson	Minnesota River	MPX	732.0	727.0	727.0	732.0	736.0	739.5	44.5297	93.9011	F
JDNM5	05330000	Jordan	Minnesota River	MPX	25.0	18.0	18.0	25.0	28.0	34.0	44.6931	93.6417	F

*** MIS - Miss. R - L&D 20 to Chester, IL ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
CANM7	05495150 #	Canton L&D 20	Mississippi River	LSX	15.0	13.0	13.0	15.0	20.0	25.0	40.1444	91.5147	MF
LGRM7		La Grange	Mississippi River	LSX	17.0	16.0	16.0	17.0	23.0	25.0	40.0397	91.4973	FM
UINI2		Quincy - Memorial Brdg	Mississippi River	LSX	19.0	17.0	17.0	19.0	22.0	26.0	39.9322	91.4161	MF
QLDI2		Quincy 3SSW - L&D 21	Mississippi River	LSX	18.0	16.0	16.0	18.0	21.0	25.0	39.9036	91.4283	MF
HNNM7	05501600 #	Hannibal WTP	Mississippi River	LSX	17.0	15.0	15.0	17.0	22.0	24.0	39.7119	91.3544	MEF
SVRM7		Saverton L&D 22	Mississippi River	LSX	16.0	14.0	14.0	16.0	20.0	24.0	39.6336	91.2472	MF
LUSM7		Louisiana WTP	Mississippi River	LSX	15.0	13.0	13.0	15.0	20.0	25.0	39.4526	91.0466	MF
CLKM7		Clarksville L&D 24	Mississippi River	LSX	25.0	23.0	23.0	25.0	31.0	33.0	39.3733	90.9047	MF
CAGM7	05513675 #	Cap Au Gris (Winfield) L&D 25	Mississippi River	LSX	26.0	24.0	24.0	26.0	30.0	34.0	39.0008	90.6875	MF
GRFI2	05587450	Grafton (Pool 26 CP)	Mississippi River	LSX	20.0	18.0	18.0	20.0	24.0	29.0	38.9681	90.4283	MEF
ALOI2	05587498	Alton	Mississippi River	LSX	21.0	20.0	20.0	21.0	24.0	31.0	38.8864	90.1826	F
ALNI2	05587541 #	Alton 2SE - Melvin Price L&D	Mississippi River	LSX	21.0	19.0	19.0	21.0	29.0	34.0	38.8669	90.1489	MEF
EADM7	07010000	St Louis (Eads Bridge)	Mississippi River	LSX	30.0	28.0	28.0	30.0	35.0	40.0	38.6289	90.1797	MEF
HRCM7		Herculaneum 1NE	Mississippi River	LSX	26.0	24.0	24.0	26.0	32.0	37.0	38.2660	90.3730	F
CHSI2	07020500	Chester	Mississippi River	LSX	27.0	25.0	25.0	27.0	35.0	40.0	37.9007	89.8302	MEF

*** NLM - Northern Lower Michigan rivers ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
SHRM4	04124000	Sherman 1N	Manistee River	APX	15.0	14.0	14.0	15.0	16.0	17.0	44.4364	85.6986	MF
MYFM4	04126970	Mayfield 5NE - Brown Brdg Rd	Boardman River	APX	7.0	5.0	5.0	7.0	9.0	11.0	44.6567	85.4367	FH
RDOM4	04136000	Red Oak 3S	Au Sable River	APX	7.0	6.0	6.0	7.0	8.0	9.0	44.6769	84.2925	MF
STRM4	04142000	Sterling 3N	Rifle River	APX	6.0	5.0	5.0	6.0	11.0	13.0	44.0725	84.0200	F

*** RCK - Rock R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
WATW3	05425500	Watertown WWTP	Rock River	MKX	5.5	4.0	4.0	5.5	6.0	6.5	43.1881	88.7261	F
MILW3	05426000	Milford	Crawfish River	MKX	7.0	5.0	5.0	7.0	9.0	10.0	43.1000	88.8494	F
JFFW3	05426031	Jefferson	Rock River	MKX	10.0	8.0	8.0	10.0	11.0	13.0	42.9961	88.8072	F
FATW3	05427085	Fort Atkinson	Rock River	MKX	16.0	14.5	14.5	16.0	17.0	18.0	42.8833	88.8333	F
NVLW3	05427235	Newville - Lk Koshkonong	Rock River	MKX	10.0	9.0	9.0	10.0	11.0	11.5	42.8575	88.9408	F
AFTW3	05430500	Afton - WWTP	Rock River	MKX	9.0	8.0	8.0	9.0	11.1	12.2	42.6092	89.0706	FH
CLIW3	05431486	Clinton	Turtle Creek	MKX	8.0	6.0	6.0	8.0	10.0	12.0	42.5972	88.8292	F
DARW3	05432500	Darlington WWTP	Pecatonica River	MKX	13.5	10.0	10.0	13.5	15.0	16.0	42.6778	90.1186	FH
BCHW3	05433000	Blanchardville 2S	East Branch Pecatonica River	MKX	11.0	9.0	9.0	11.0	14.0	16.0	42.7856	89.8611	FH
MTNW3	05434500	Martintown 2E	Pecatonica River	MKX	13.5	9.5	9.5	13.5	18.0	21.0	42.5094	89.7994	FH
FEEI2	05435500	Freeport WWTP	Pecatonica River	DVN	13.0	11.5	11.5	13.0	14.0	16.0	42.3028	89.6194	F
ALBW3		Albany	Sugar River	MKX	12.0	8.0	8.0	12.0	13.0	14.0	42.7058	89.4381	F
BROW3	05436500	Brodhead WWTP	Sugar River	MKX	5.0	4.5	4.5	5.0	8.0	10.0	42.6117	89.3981	F
SIRI2	05437050	Shirland	Pecatonica River	LOT	12.0	11.0	11.0	12.0	14.0	15.5	42.4381	89.1747	F
ROKI2	05437500	Rockton	Rock River	LOT	10.0	8.5	8.5	10.0	11.0	14.0	42.4503	89.0725	F
LATI2	05437610	Latham Park	Rock River	LOT	9.0	7.0	8.0	9.0	11.0	13.5	42.3686	89.0583	F
RABI2	05437641	Rockford - Auburn St	Rock River	LOT	6.0	5.0	5.5	6.0	8.5	10.0	42.2886	89.0653	F
BVDI2	05438500	Belvidere WWTP	Kishwaukee River	LOT	9.0	6.0	6.0	9.0	10.0	12.0	42.2561	88.8631	F
DEKI2	05439000	De Kalb	South Branch Kishwaukee River	LOT	10.0	8.5	8.5	10.0	11.0	12.5	41.9311	88.7597	FH
PRYI2	05440000	Perryville 2SW	Kishwaukee River	LOT	12.0	11.5	11.5	12.0	18.0	22.0	42.1944	88.9989	F
BYRI2	05440700	Byron	Rock River	LOT	13.0	9.5	10.5	13.0	14.0	16.0	42.1231	89.2557	F
DXRI2	05442300	Dixon	Rock River	LOT	16.0	13.0	13.0	16.0	18.0	20.0	41.8447	89.4861	F
CMOI2	05443500	Como	Rock River	DVN	12.5	10.0	10.0	12.5	15.5	18.0	41.7722	89.7456	F
JOSI2	05446500	Joslin	Rock River	DVN	12.0	11.0	11.0	12.0	14.0	16.5	41.5558	90.1856	FMB
GENI2	05447500	Geneseo 2N	Green River	DVN	15.0	14.0	14.0	15.0	16.5	18.0	41.4889	90.1581	F
MLII2		Moline	Rock River	DVN	12.0	11.0	11.0	12.0	13.0	14.0	41.4617	90.5011	FMB

*** RDW - Mississippi R abv Red Wing, MN ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
GNDM5	05211000	Grand Rapids	Mississippi River	DLH	N/A	N/A	N/A	N/A	N/A	N/A	47.2322	93.5300	D
TACM5	05212700	Taconite 5N	Prairie River	DLH	10.0	9.0	9.0	10.0	12.0	13.0	47.3889	93.3806	F

ATKM5	05227500		Aitkin 1N	Mississippi River	DLH	13.0	12.0	12.0	13.0	15.0	18.0	46.5406	93.7072	FD
BRAM5	05242300		Brainerd WTP	Mississippi River	DLH	N/A	N/A	N/A	N/A	N/A	N/A	46.3778	94.1831	D
LGPM5	05245100		Long Prairie	Long Prairie River	MPX	7.0	6.0	6.0	7.0	8.0	10.0	45.9750	94.8656	F
FTRM5	05261000	#	Fort Ripley	Mississippi River	DLH	10.5	9.0	9.0	10.5	12.5	26.0	46.1806	94.3656	FD
BLHM5	05267000		Royalton 4NW-Blanchard Dam	Mississippi River	MPX	N/A	N/A	N/A	N/A	N/A	N/A	45.8614	94.3592	D
STCM5	05270500		St Cloud 3W	Sauk River	MPX	6.0	5.0	5.0	6.0	7.0	9.0	45.5597	94.2333	F
SCOM5	05270700		St Cloud	Mississippi River	MPX	9.0	8.0	8.0	9.0	10.0	11.0	45.5472	94.1456	FD
MAYM5	05279000	#	Mayer	South Fork Crow River	MPX	11.0	10.0	10.0	11.0	15.0	16.0	44.9058	93.8856	F
DELM5			Delano	South Fork Crow River	MPX	16.5	11.5	11.5	16.5	17.5	18.5	45.0419	93.7894	F
RKFM5	05280000		Rockford	Crow River	MPX	10.0	8.0	8.0	10.0	12.0	14.0	45.0867	93.7339	F
AKAM5	05283500		Champlin-U.S. Hwy 169	Mississippi River	MPX	12.0	9.0	9.0	12.0	14.0	17.0	45.1917	93.3944	F
MCAM5			Milaca 8NNW	Rum River	MPX	6.0	5.0	5.0	6.0	7.0	8.0	45.8658	93.6906	F
STFM5	05286000		St Francis 4S	Rum River	MPX	8.0	7.0	7.0	8.0	10.0	11.0	45.3275	93.3727	F
ANKM5	05288500		Brooklyn Park - Hwy 610	Mississippi River	MPX	12.0	8.0	8.0	12.0	14.0	16.0	45.1267	93.2967	MFD
MSPM5	05288670		Fridley - abv 37th Ave NE	Mississippi River	MPX	16.0	14.0	14.0	16.0	16.5	17.0	45.0431	93.2794	MF
SAVM5	05330890	#	Savage	Minnesota River	MPX	702.0	697.0	697.0	702.0	710.0	712.0	44.7867	93.3344	MEF
STPM5	05331000		St Paul - Robert St Bridge	Mississippi River	MPX	14.0	10.0	10.0	14.0	15.0	17.0	44.9444	93.0881	MEF
HSTM5	05331578	#	Hastings L&D 2	Mississippi River	MPX	15.0	13.0	13.0	15.0	17.0	18.0	44.7594	92.8678	MF
DANW3	05333500		Danbury 8NE	St Croix River	DLH	7.0	6.0	6.0	7.0	8.5	10.0	46.0744	92.2472	F
MOAM5	05337500	#	Mora	Snake River	MPX	11.0	9.0	9.0	11.0	13.0	14.0	45.8639	93.2967	F
PNCM5	05338500		Pine City	Snake River	DLH	9.0	8.0	8.0	9.0	10.0	11.0	45.8417	92.9333	F
STLM5	05341550		Stillwater	St Croix River	MPX	87.0	80.0	80.0	87.0	88.0	89.0	45.0561	92.8039	MF
RDWM5			Red Wing L&D 3	Mississippi River	MPX	680.5	679.5	679.5	680.5	681.5	683.0	44.6103	92.6100	MF
NRFM5	05355024		Northfield - 2nd St	Cannon River	MPX	897.0	895.0	895.0	897.0	899.0	900.0	44.4586	93.1597	F
REDM5	05355250		Red Wing	Mississippi River	MPX	14.0	12.0	12.0	14.0	15.0	16.0	44.5653	92.5425	MF

*** RED - Red R of the North mainstem ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
ABRN8	05053000	Abercrombie 2WNW	Wild Rice River	FGF	20.0	17.0	17.0	20.0	22.0	28.0	46.4706	96.7819	F
WHNN8	05051500	Wahpeton	Red River of the North	FGF	11.0	9.5	9.5	11.0	13.0	15.0	46.2653	96.5944	F
HICN8	05051522	Hickson 1SE	Red River of the North	FGF	30.0	28.0	28.0	30.0	34.0	38.0	46.6583	96.7964	F
FGON8	05054000	Fargo WTP	Red River of the North	FGF	18.0	17.0	17.0	18.0	25.0	30.0	46.8611	96.7833	F
HILN8	05064500	Hillsboro 11ESE (Halstad MN)	Red River of the North	FGF	26.0	24.0	24.0	26.0	32.0	37.5	47.3519	96.8433	F
EGFM5	05082500	East Grand Forks	Red River of the North	FGF	28.0	27.0	27.0	28.0	40.0	46.0	47.9272	97.0261	F
OSLM5	05083500	Oslo	Red River of the North	FGF	26.0	23.0	23.0	26.0	30.0	36.0	48.1942	97.1400	F
DRTN8	05092000	Drayton 2NE - Hwy 66 Brdg	Red River of the North	FGF	32.0	28.0	28.0	32.0	38.0	42.0	48.5722	97.1472	F
PBNN8	05102490	Pembina	Red River of the North	FGF	39.0	35.0	35.0	39.0	44.0	49.0	48.9736	97.2413	F

*** SMS - Southeastern Michigan Streams ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
FGOM4	04159492	Jeddo 2W	Black River	DTX	N/A	8.0	8.0	N/A	N/A	N/A	43.1525	82.6242	F
AVOM4	04159900	Avoca 2W	Mill Creek	DTX	N/A	6.0	6.0	N/A	N/A	N/A	43.0544	82.7347	F
FSRM4	04164000	Sterling Heights 1E (Frasier 3N)	Clinton River	DTX	16.0	14.0	14.0	16.0	17.0	19.0	42.5772	82.9514	FH
MCLM4	04164500	Mt Clemens 2N	North Branch Clinton River	DTX	15.0	13.0	13.0	15.0	16.0	18.0	42.6292	82.8889	FH
MTCM4	04165500	Mt Clemens 1W	Clinton River	DTX	16.0	14.0	14.0	16.0	17.0	18.0	42.5958	82.9097	FH
DETM4	04166500	Detroit	River Rouge	DTX	15.0	13.0	13.0	15.0	18.0	20.0	42.3722	83.2556	FH
GACM4	04167000	Garden City 2NE	Middle River Rouge	DTX	10.0	10.0	10.0	10.0	11.0	12.0	42.3481	83.3117	FH
INKM4	04168000 #	Inkster	Lower River Rouge	DTX	10.0	8.0	8.0	10.0	12.0	13.0	42.3000	83.3000	
DLRM4	04168400	Dearborn	Lower Rouge River	DTX	11.0	9.0	9.0	11.0	12.0	13.0	42.3083	83.2528	F
DEXM4	04173500	Dexter 2S	Mill Creek	DTX	12.0	10.0	10.0	12.0	13.0	14.0	42.3000	83.8986	FH
HMGM4	04172000	Hamburg 1N	Huron River	DTX	7.0	6.5	6.5	7.0	7.5	8.0	42.4650	83.8003	F
ANNM4	04174500	Ann Arbor	Huron River	DTX	16.0	14.0	14.0	16.0	17.0	18.0	42.2861	83.7333	F
TECM4	04175700 #	Tecumseh WWTP & 4S	River Raisin	DTX	13.0	11.0	11.0	13.0	14.0	15.0	41.9431	83.9453	FH
ADRM4	04176000	Adrian 2E	River Raisin	DTX	18.0	13.0	13.0	18.0	19.0	20.0	41.9042	83.9806	F
BLIM4	04176140 #	Blissfield 1SW	River Raisin	DTX	683.0	681.0	681.0	683.0	685.0	687.0	41.8342	83.8667	F
DNDM4		Dundee WWTP	River Raisin	DTX	650.0	648.0	648.0	650.0	652.0	653.0	41.9564	83.6586	F
MONM4		Monroe WTP	River Raisin	DTX	9.0	8.0	8.0	9.0	10.0	11.0	41.9139	83.3875	F

*** SMW - Saginaw Basin in MI ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
BVTM4	04152500	Beaverton 1ESE	Tobacco River	APX	12.0	10.0	10.0	12.0	14.0	17.0	43.8794	84.4739	FH
MPTM4	04154000	Mount Pleasant 3NE	Chippewa River	GRR	8.0	6.0	6.0	8.0	11.0	13.0	43.6256	84.7078	F
ALMM4	04155000 #	Alma WWTP	Pine River	GRR	8.0	7.0	7.0	8.0	10.0	12.0	43.3794	84.6556	F
MPRM4	04155500	Midland 7SW	Pine River	DTX	12.0	11.0	11.0	12.0	14.0	16.0	43.5644	84.3692	F
MIDM4	04156000	Midland	Tittabawassee River	DTX	24.0	16.0	16.0	24.0	25.0	28.0	43.5953	84.2356	F
OWOM4	04144500	Owosso 2NW - WWTP	Shiawassee River	DTX	7.0	6.0	6.0	7.0	9.0	10.0	43.0150	84.1811	F
FRGM4	04145000	Fergus 1E	Shiawassee River	DTX	10.0	9.0	9.0	10.0	14.0	15.0	43.2500	84.1000	F
DAVM4	04148140	Davison 3W	Kearsley Creek	DTX	10.0	8.0	8.0	10.0	11.0	12.0	43.0336	83.5814	FH
FLTM4	04148500	Flint 7W - WWTP	Flint River	DTX	13.0	11.0	11.0	13.0	15.0	17.0	43.0389	83.7717	F
CSSM4	04150500	Cass City 1SSW - WWTP	Cass River	DTX	14.0	12.0	12.0	14.0	18.0	20.0	43.5842	83.1761	F
VSSM4	04151000 #	Vassar WWTP	Cass River	DTX	14.0	12.0	12.0	14.0	15.0	18.0	43.3708	83.5811	F
FRNM4	04151500	Frankenmuth	Cass River	DTX	17.0	15.0	15.0	17.0	20.0	25.0	43.3278	83.7481	F
SAGM4	04157005	Saginaw	Saginaw River	DTX	17.0	16.0	16.0	17.0	19.0	24.0	43.4219	83.9519	F

*** SRS - Souris R Basin ***

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

*** SSL - Illinois R tribs blo LaSalle, IL ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
CNGI2	05567500	Congerville 2NW	Mackinaw River	ILX	13.0	10.0	10.0	13.0	14.0	20.0	40.6236	89.2417	F
LNMI2	05569500	London Mills 1WSW	Spoon River	ILX	15.0	13.0	13.0	15.0	21.0	24.0	40.7078	90.2800	F
SEVI2	05570000	Seville (Marietta 3ESE)	Spoon River	ILX	22.0	19.0	19.0	22.0	25.0	30.0	40.4900	90.3406	F
MNTI2	05572000	Monticello	Sangamon River	ILX	13.0	11.0	11.0	13.0	17.0	20.0	40.0308	88.5889	F
RVTI2	05576500	Riverton	Sangamon River	ILX	23.0	17.0	17.0	23.0	26.0	29.0	39.8433	89.5475	F
PETI2	05578000	Petersburg	Sangamon River	ILX	23.0	18.0	18.0	23.0	24.0	33.0	40.0133	89.8383	F
GREI2	05582000	Greenview 3N	Salt Creek	ILX	16.0	14.0	14.0	16.0	17.0	20.0	40.1319	89.7356	F
OKFI2	05583000	Oakford	Sangamon River	ILX	471.0	469.0	469.0	471.0	472.9	478.5	40.1242	89.9847	F
CDLI2		Chandlerville	Sangamon River	ILX	456.6	454.0	454.0	456.6	459.0	462.0	40.0619	90.1558	F
CLMI2	05584500	Colmar 1SSW	La Moine River	DVN	20.0	19.0	19.0	20.0	22.0	24.0	40.3303	90.8961	F
RIPI2	05585000	Ripley	La Moine River	LSX	22.0	18.0	18.0	22.0	23.0	27.0	40.0253	90.6319	F

*** TIA - Misc Iowa Tribs to Miss. R ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
MCHI4	05416900	Manchester 1SE	Maquoketa River	DVN	14.0	12.0	12.0	14.0	17.0	20.0	42.4700	91.4483	FH
MAQI4	05418500	Maquoketa 2NE	Maquoketa River	DVN	24.0	23.0	23.0	24.0	26.0	28.5	42.0833	90.6328	F
IDPI4	05421000	Independence	Wapsipinicon River	DVN	12.0	10.0	10.0	12.0	13.0	15.0	42.4636	91.8950	F
ANSI4	05421740	Anamosa 2SE - Shaw Rd	Wapsipinicon River	DVN	14.5	13.0	13.0	14.5	18.0	21.5	42.0833	91.2675	MFB
DEWI4	05422000	De Witt 4S	Wapsipinicon River	DVN	11.0	10.0	10.0	11.0	11.5	12.5	41.7669	90.5347	MFB
AMEI4	05470000	Ames 3N	South Skunk River	DMX	12.5	11.0	11.0	12.5	16.0	16.5	42.0664	93.6200	F
AMWI4	05470500	Ames	Ioway Creek	DMX	10.0	8.0	8.0	10.0	14.0	15.5	42.0231	93.6303	FH
AESI4	05471000	Ames 5SE - WWTP	South Skunk River	DMX	21.5	19.0	19.0	21.5	23.5	24.5	42.0067	93.5953	F

CFXI4	05471050	Colfax	South Skunk River	DMX	18.0	15.0	15.0	18.0	19.0	21.0	41.6814	93.2464	F	
OOAI4	05471500	Oskaloosa 4N	South Skunk River	DMX	24.5	18.0	18.0	24.5	28.5	30.0	41.3558	92.6567	F	
SIGI4	05472500	Sigourney 2S	North Skunk River	DVN	16.0	14.5	14.5	16.0	18.0	21.0	41.3008	92.2044	F	
AGSI4	05474000	Augusta	Skunk River	DVN	15.0	14.0	14.0	15.0	17.0	20.0	40.7536	91.2772	F	

*** TMN - Red R tribs in Minnesota ***

NWSLI	USGS ID		Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
SABM5	05061500		Sabin 1E	South Branch Buffalo River	FGF	13.0	12.0	12.0	13.0	15.0	19.0	46.7756	96.6278	F
HWYM5	05061000		Hawley 2SW	Buffalo River	FGF	8.0	7.5	7.5	8.0	9.0	11.0	46.8522	96.3292	F
DILM5	05062000		Dilworth 7NE	Buffalo River	FGF	13.0	12.0	12.0	13.0	20.0	26.0	46.9611	96.6611	F
TWVM5	05062500		Twin Valley 1NE	Wild Rice River	FGF	10.0	9.0	9.0	10.0	12.0	14.0	47.2667	96.2444	F
HNDM5	05064000		Hendrum	Wild Rice River	FGF	20.0	18.0	18.0	20.0	28.0	32.0	47.2681	96.7972	F
SHYM5	05067500		Shelly 4SE	Marsh River	FGF	14.0	13.0	13.0	14.0	20.0	23.0	47.4125	96.7639	F
CLXM5	05069000		Climax	Sand Hill River	FGF	20.0	15.0	15.0	20.0	25.0	30.0	47.6119	96.8144	F
HIGM5	05075000		High Landing	Red Lake River	FGF	12.0	11.0	11.0	12.0	12.5	13.0	48.0428	95.8078	F
CRKM5	05079000		Crookston	Red Lake River	FGF	15.0	12.0	12.0	15.0	20.0	23.0	47.7756	96.6092	F
MKLM5	05085450		Warren 3ENE-Morkassel Brdg	Snake River	FGF	67.0	66.0	66.0	67.0	71.0	75.0	48.2097	96.7181	F
ALVM5	05086000	#	Alvarado	Snake River	FGF	106.0	105.0	105.0	106.0	108.0	110.0	48.1947	97.0056	F
HLLM5	05095000	#	Hallock	Two Rivers River	FGF	802.0	800.0	800.0	802.0	806.0	810.0	48.7756	96.9375	F
ROSM5	05105000	#	Roseau - Center St Brdg	Roseau River	FGF	16.0	14.0	14.0	16.0	18.0	19.0	48.8464	95.7600	F

*** TMO - NE Missouri Tribs to Miss. R ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
WYLM7	05495000	Wayland 2W	Fox River	DVN	15.0	14.0	14.0	15.0	18.0	20.0	40.3925	91.5978	F
EWNM7	05497150	Ewing 5E	North Fabius River	LSX	11.0	9.0	9.0	11.0	17.0	20.0	40.0189	91.6219	FH
EWMM7	05498150	Ewing 1NNE	Middle Fabius River	LSX	12.0	9.5	9.5	12.0	17.0	20.0	40.0289	91.7056	FH
TAYM7	05500000	Taylor 5SW	South Fabius River	LSX	10.0	7.0	7.0	10.0	14.0	19.0	39.8967	91.5803	FH
PALM7	05501000	Palmyra 2NW	North River	LSX	13.0	11.0	11.0	13.0	16.0	22.0	39.8169	91.5461	FH
PMZM7	05506350	Holliday 2N	Middle Fork Salt River	LSX	17.0	15.0	15.0	17.0	22.0	26.0	39.5242	92.1278	FH
NLDM7	05508000	New London	Salt River	LSX	19.0	17.0	17.0	19.0	25.0	27.0	39.6122	91.4072	F
TRYM7	05514500	Troy	Cuivre River	LSX	21.0	19.0	19.0	21.0	25.0	29.0	39.0089	90.9775	FH
OMNM7	05514705	Old Monroe	Cuivre River	LSX	24.0	22.0	22.0	24.0	27.0	30.0	38.9289	90.7458	F
DRCM7	05514860	St Peters	Dardenne Creek	LSX	18.0	16.0	16.0	18.0	20.0	23.0	38.8033	90.6350	FH

*** TND - Red R tribs in North Dakota ***

NWSLI	USGS ID	Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
VCRN8	05058500	Valley City	Sheyenne River	FGF	15.0	12.5	12.5	15.0	16.0	17.0	46.9139	98.0083	F
LBNN8	05058700	Lisbon	Sheyenne River	FGF	15.0	11.0	11.0	15.0	17.0	19.0	46.4469	97.6789	F
KNDN8	05059000	Kindred 2SE	Sheyenne River	FGF	16.0	14.0	14.0	16.0	19.0	20.5	46.6317	97.0003	F
WFON8	05059480	West Fargo	Sheyenne River Diversion	FGF	18.0	16.0	16.0	18.0	20.0	21.0	46.8911	96.9164	F
ENDN8	05059700	Enderlin 1E	Maple River	FGF	9.5	8.0	8.0	9.5	12.0	14.0	46.6214	97.5733	F
MPLN8	05060000	Mapleton 3SW	Maple River	FGF	18.0	14.0	14.0	18.0	21.0	23.0	46.8661	97.1061	F
HWDN8	05060400	Harwood	Sheyenne River	FGF	84.0	82.0	82.0	84.0	86.0	91.0	46.9775	96.8914	F
HGRN8	05066500	Hillsboro	Goose River	FGF	10.0	7.0	7.0	10.0	13.0	16.0	47.4094	97.0608	FH
MTON8	05085000	Minto	Forest River	FGF	6.0	4.5	4.5	6.0	8.0	11.0	48.2861	97.3694	F
WLHN8	05099600	Walhalla	Pembina River	FGF	11.0	9.0	9.0	11.0	16.0	18.0	48.9133	97.9167	F
NCEN8	05100000	Neche	Pembina River	FGF	18.0	16.0	16.0	18.0	19.0	20.5	48.9897	97.5567	F

*** UPM - Upper Michigan Peninsula rivers ***

NWSLI	USGS ID		Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
BESM4	04031000		Bessemer 3NW	Black River	MQT	10.0	9.5	9.5	10.0	12.0	14.0	46.5114	90.0744	FH
RKLM4	04040000		Rockland 2SW	Ontonagon River	MQT	25.0	23.0	23.0	25.0	26.0	28.0	46.7208	89.2069	F
SNWM4	04040500		Sidnaw 9NE	Sturgeon River	MQT	12.0	11.0	11.0	12.0	15.0	17.0	46.5842	88.5758	FMBH
ALSM4	04041500		Alston 5SE	Sturgeon River	MQT	8.0	7.5	7.5	8.0	11.0	14.0	46.7264	88.6619	F
HRVM4	04044588	#	Harvey	Chocolay River	MQT	10.0	9.5	9.5	10.0	11.5	13.0	46.4958	87.3503	F
GNNM4			Gwinn 1N	East Branch Escanaba River	MQT	7.0	6.5	6.5	7.0	9.0	12.0	46.2781	87.4361	FH
HUMM4	04057800		Humboldt	Middle Branch Escanaba River	MQT	6.5	6.0	6.0	6.5	8.0	9.0	46.4992	87.8864	FH
RUDM4	04127917		Rudyard 3S	Pine River	APX	17.0	15.0	15.0	17.0	19.0	21.0	46.1906	84.6122	FH

*** WIS - Wisconsin R Basin ***

NWSLI	USGS ID		Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
ARCW3	05379400		Arcadia	Trempealeau River	ARX	8.0	6.0	6.0	8.0	9.0	10.0	44.2544	91.5053	F
DDGW3	05379500		Dodge	Trempealeau River	ARX	10.5	9.0	9.0	10.5	11.0	12.0	44.1317	91.5531	FH
NEIW3	05381000		Neillsville	Black River	ARX	18.0	16.0	16.0	18.0	20.0	22.0	44.5597	90.6150	FH
BRFW3	053813595		Black River Falls - Hwy 54	Black River	ARX	47.0	43.0	43.0	47.0	51.0	55.0	44.2936	90.8464	F
GALW3	05382000		Galesville 5SE	Black River	ARX	12.0	10.0	10.0	12.0	13.0	15.0	44.0603	91.2875	F
RRLW3	05395000		Merrill	Wisconsin River	GRB	11.0	10.0	10.0	11.0	13.5	15.0	45.1781	89.6811	FH
ROTW3	05398000		Rothschild	Wisconsin River	GRB	25.0	18.0	18.0	25.0	27.0	28.0	44.8858	89.6347	F
BBCW3	05402000		Babcock 1WNW	Yellow River	GRB	12.0	10.0	10.0	12.0	15.5	17.0	44.3019	90.1222	FH
WIRW3	05400760		Wisconsin Rapids-Grand Ave	Wisconsin River	GRB	12.0	10.0	10.0	12.0	13.5	14.5	44.3922	89.8269	F
NCAW3	05403000		Necedah	Yellow River	ARX	15.0	12.0	12.0	15.0	16.5	18.0	44.0261	90.0717	F
CROW3			White Creek 2NW-Castle Rock Dam	Wisconsin River	ARX	894.0	882.0	882.0	894.0	N/A	N/A	43.8658	89.9547	F
WDEW3	05404000		Wisconsin Dells	Wisconsin River	MKX	16.0	13.0	13.0	16.0	17.6	18.9	43.6167	89.7833	F
PORW3			Portage	Wisconsin River	MKX	17.0	12.7	12.7	17.0	18.0	19.0	43.5392	89.4736	F
RBGW3	054041665		Reedsburg	Baraboo River	MKX	14.0	12.0	12.0	14.0	16.0	18.0	43.5325	90.0111	F
RSPW3			Rock Springs	Baraboo River	MKX	18.5	13.5	13.5	18.5	21.0	23.0	43.4775	89.9161	F
BBOW3			Baraboo - Shaw St	Baraboo River	MKX	9.0	7.0	7.0	9.0	10.5	12.5	43.4708	89.7594	F
BABW3	05405000		Baraboo	Baraboo River	MKX	16.0	14.0	14.0	16.0	22.0	23.1	43.4833	89.6333	F
BLEW3	05406500		Black Earth 1E	Black Earth Creek	MKX	5.5	5.0	5.0	5.5	7.0	8.0	43.1342	89.7322	F
MUSW3	05407000		Muscoda 1NE - WWTP	Wisconsin River	ARX	9.0	7.0	7.0	9.0	10.0	11.0	43.1981	90.4433	F
LAFW3	05408000		La Farge	Kickapoo River	ARX	12.0	9.0	9.0	12.0	13.0	14.0	43.5742	90.6436	FH
VIOW3			Viola	Kickapoo River	ARX	14.0	12.0	12.0	14.0	16.0	18.0	43.5061	90.6739	FH
REAW3	05409200	#	Readstown	Kickapoo River	ARX	11.0	8.0	8.0	11.0	14.0	16.0	43.4494	90.7650	FH
SOGW3	05409500	#	Soldiers Grove	Kickapoo River	ARX	13.0	10.0	10.0	13.0	16.0	19.0	43.3953	90.7742	FH
GMIW3	05410000	#	Gays Mills WWTP	Kickapoo River	ARX	13.0	11.0	11.0	13.0	15.0	17.0	43.3189	90.8511	FH
STEW3	05410490		Steuben 3NE	Kickapoo River	ARX	12.0	10.0	10.0	12.0	13.0	15.0	43.1828	90.8583	FH

*** WLS - Western Lake Superior basins ***

NWSLI	USGS ID		Station Name	River Name	HSA	FS	RFC FIS	WFO Action	MINOR	MOD	MAJOR	LAT (N)	LON (W)	FCST TYPE
SCNM5	04024000		Scanlon	St Louis River	DLH	10.5	9.5	9.5	10.5	11.0	13.0	46.7033	92.4186	F
KNIM5	04015330		Two Harbors 8SW	Knife River	DLH	33.0	30.0	30.0	33.0	34.0	36.0	46.9469	91.7922	F
SOSW3	04024430		Superior 6S	Nemadji River	DLH	24.0	22.0	22.0	24.0	26.0	28.0	46.6333	92.0939	F
TYLW3	04026561		Mellen 6NE - Stricker Rd	Tyler Forks River	DLH	9.0	8.0	8.0	9.0	10.0	12.0	46.3947	90.5900	F
ODAW3	04027000		Odanah 8S	Bad River	DLH	16.0	11.5	11.5	16.0	18.0	20.0	46.4875	90.6958	F
BDOW3	04027595		Odanah	Bad River	DLH	8.5	7.5	7.5	8.5	9.5	10.5	46.6103	90.6869	F

NCRFC active data points by Forecast Group Generated Sunday December 29 2024

- Not currently an active realtime USGS Surface Water Station.

*** CALDATA - Little Calumet R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
HLGI3	04093000	Hobart - Lk George Outlet	Deep River	LOT	41.5361	87.2569
KTSI3	05517530	Kouts 5S	Kankakee River	LOT	41.2539	87.0339
CPCI2	05536162	Crete 3E	Plum Creek	LOT	41.4356	87.5714
TCRI3	04095300	Michigan City	Trail Creek	IWX	41.7167	86.8597

*** CHPDATA - Chippewa R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)

POWW3	05357335	Powell 2SW	Bear River Nr Manitowish Waters	DLH	46.0489	89.9844
BRUW3	05356500	Bruce	Chippewa River	MPX	45.4522	91.2608
CHFW3	05365500	Chippewa Falls WWTP	Chippewa River	MPX	44.9269	91.4092
ECTW3	05365550	Eau Claire (Dells Dam)	Chippewa River	MPX	44.8225	91.5075
HOLW3	05362500 #	Holcombe (Dam)	Chippewa River	MPX	45.2244	91.1172
WISW3		Lake Wissota	Chippewa River	MPX	44.9264	91.3008
WERW3	05356000	Winter 4NW - Bishops Brdg	Chippewa River	DLH	45.8492	91.0789
BGFW3	05360000 #	Big Falls Hydro	Flambeau River	MPX	45.5556	90.9589
BRCW3	05360500	Bruce	Flambeau River	MPX	45.4064	91.2194
WHEW3	05368000	Wheeler	Hay River	MPX	45.0477	91.9112
SHEW3	05362000	Sheldon	Jump River	MPX	45.3081	90.9564
MNOW3	05368500 #	Cedar Falls Hydro Plant	Red Cedar River	MPX	44.9356	91.8885
CLXW3	05367500	Colfax 4N	Red Cedar River	MPX	45.0531	91.7119
MENW3	05369000	Menomonie WWTP	Red Cedar River	MPX	44.8839	91.9325
SFFW3	05359500	Phillips 10W	South Fork Flambeau River	DLH	45.7034	90.6158
BOMW3	053674967 #	Bloomer 8W	Trout Creek	MPX	45.0994	91.6511

*** CIWDATA - Cedar/Iowa R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
LADI4	05453000	Ladora	Big Bear Creek	DVN	41.7494	92.1819
ASNM5	05457000	Austin 3S	Cedar River	ARX	43.6372	92.9744
OSGI4	05457505 #	Osage 2W	Cedar River	ARX	43.2836	92.8525
WVLI4	05458300	Waverly	Cedar River	DMX	42.7372	92.4700
OXFI4	05454220	Oxford 3E	Clear Creek	DVN	41.7183	91.7400
TOLI4	05451800 #	Toledo 1NW	Deer Creek	DMX	42.0000	92.5886
BPLI4	05452500	Belle Plaine 3S	Iowa River	DVN	41.8591	92.2779
CRVI4	05453510 #	Coralville - Coralville Dam	Iowa River	DVN	41.7253	91.5353
CTWI4	05453520	Coralville - Coralville Dam TW	Iowa River	DVN	41.7219	91.5278
STBI4	05450400	Steamboat Rock	Iowa River	DMX	42.4081	93.0728
TAMI4	05451810 #	Tama	Iowa River	DMX	41.9531	92.5767
IONI4	05458000	Ionia 2W	Little Cedar River	ARX	43.0333	92.5033
NEPI4	05455270 #	North English 4E (Near Parnell)	North Fork English River	DVN	41.5263	91.9894
HAVI4	05451900	Haven 1NE	Richland Creek	DMX	41.8994	92.4742
EBRI4	05452000	Elberon 3S	Salt Creek	DMX	41.9642	92.3131
GDVM5	05458970 #	Gordonsville 1W	Shell Rock River	MPX	43.5139	93.2686
NTWI4	05459000 #	Northwood 2S	Shell Rock River	DMX	43.4142	93.2206
NPVI4	05451210	New Providence 2NE	South Fork Iowa River	DMX	42.3150	93.1522
MASI4	05459490	Mason City	Spring Creek	DMX	43.2133	93.2108
MTWI4	05451700	Marshalltown 4SE	Timber Creek	DMX	42.0089	92.8522
HRTI4	05452200	Hartwick 4NW	Walnut Creek	DMX	41.8350	92.3861
KSYI4	05458875 #	Kesley 3NNE - T25 Hwy	West Fork Cedar River	DMX	42.7039	92.8889
DYSI4	05464220	Dysart 3N	Wolf Creek	DMX	42.2514	92.2986

*** DESDATA - Des Moines R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
HRSM5		Okabena 4SE		FSD	43.7240	95.2365
WWDI4	05481860 #	Woodward 4SW	Beaver Creek	DMX	41.8006	93.9406
GLDI4	05480820	Goldfield 2SW	Boone River	DMX	42.7244	93.9467
GJTI4	05483210 #	Grand Junction 3W	Buttrick Creek	DMX	42.0181	94.2944
PELI4	05488100 #	Pella 4WSW-Red Rock Dam	Des Moines River	DMX	41.3697	92.9800
RRDI4	05488110	Pella 5SW - Red Rock Lk (TW)	Des Moines River	DMX	41.3647	92.9758
SDTI4	05481650	Saylorville 2W-Saylorville Lk (TW)	Des Moines River	DMX	41.6806	93.6681
SAYI4	05481630 #	Saylorville 3WNW (Dam)	Des Moines River	DMX	41.7036	93.6892
SWNI4	05487520	Swan	Des Moines River	DMX	41.4894	93.2783
TRCI4	05488500	Tracy 1NE	Des Moines River	DMX	41.2814	92.8594
KECI4	05488200	Knoxville 3E	English Creek	DMX	41.3006	93.0453
FLZI4	05480080	Fort Dodge 4NW	Lizard Creek	DMX	42.5292	94.2567
BAYI4	05483450	Bayard 6SE	Middle Raccoon River	DMX	41.7786	94.4925
PANI4	05483600	Panora	Middle Raccoon River	DMX	41.6872	94.3708
PNLI4	05483470	Panora - Lk Panorama	Middle Raccoon River	DMX	41.6872	94.3814
LKCI4	05482430	Lake City 7S	North Raccoon River	DMX	42.1689	94.7261
SCRI4	05482300	Sac City 5S	North Raccoon River	DMX	42.3544	94.9906
RLFI4	05476735	Rolfe 3E	Pilot Creek	DMX	42.8058	94.4622
WDMI4	05484600	West Des Moines	Raccoon River	DMX	41.5317	93.7817
DLLI4	05487980	Dallas 2NW	White Breast Creek	DMX	41.2467	93.2903

*** DEVDATA - Devils Lake Basin, ND ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
CFCN8	05056265	Churchs Ferry 1SE - Hwy 2	Big Coulee	FGF	48.2617	99.1872
DLCN8	05056241	Penn 5E	Dry Lake	FGF	48.2144	98.9831
EDEN8	05056200	Edmore	Edmore Coulee	FGF	48.3372	98.6592
ECTN8	05056215	Edmore 9E	Edmore Coulee Trib	FGF	48.2664	98.6822
LEDN8	05056340	Leeds 4SE	Little Coulee	FGF	48.2436	99.3731
MAVN8	05056019	Cando 4E	Mauvais Coulee	FGF	48.4864	99.1119
CNDN8	05056100	Cando 6SE	Mauvis Coulee	FGF	48.4481	99.1022
MCTN8	05056060	Cando 2S	Mauvis Coulee Trib No.3	FGF	48.4578	99.2233
DLBN8	05056222	Webster 2SE	Morrison Lake	FGF	48.2597	98.8467
WEBN8	05056239	Webster	Starkweather Coulee	FGF	48.3203	98.9397

*** EWSDATA - Ern Wisconsin Basins to Lk MI ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
ERBW3	04085138	East River at Green Bay	East River	GRB	44.5091	87.9917
EMBW3	04078500	Embarrass 4NW	Embarrass River	GRB	44.7247	88.7361
GBYW3	040851385	Green Bay - Oil Tank Depot	Fox River	GRB	44.5286	88.0100
MNSW3	04084411 #	Menasha - Lk Winnebago (Dam)	Fox River	GRB	44.2036	88.4250
OSSW3	04082400	Oshkosh	Fox River	GRB	44.0136	88.5408
OSHW3	04082500	Oshkosh - Lk Winnebago	Fox River	GRB	44.0097	88.5272
GBWW3		Green Bay	Green Bay	GRB	44.5411	88.0072
KEWW3	04085200	Kewaunee 3W	Kewaunee River	GRB	44.4583	87.5564
SBYW3		Southern Bay of Green Bay Bouy	Lake Michigan	GRB	44.8020	87.6370
FDLW3		Fond Du Lac WWTP	Lake Winnebago	MKX	43.7958	88.4508
STKW3	04084255	Stockbridge	Lake Winnebago	GRB	44.0714	88.3311
MTWW3	04085427	Manitowoc 2W	Manitowoc River	GRB	44.1072	87.7153
MEEW3	04087000	Milwaukee	Milwaukee River	MKX	43.1000	87.9089
WAUW3		Waubeka	Milwaukee River	MKX	43.4728	87.9897
GILW3	04071000	Gillett 2S	Oconto River	GRB	44.8647	88.3000
ATHW3	04067958	Athelstane 12W	Peshtigo River	GRB	45.3878	88.3050
CRIW3	04068000 #	Crivitz - High Falls Dam	Peshtigo River	GRB	45.2783	88.1978
PESW3	04069500	Peshtigo	Peshtigo River	GRB	45.0469	87.7444
PFDW3	04069416	Porterfield	Peshtigo River	GRB	45.1433	87.8006
MORW3	04077630	Gresham 4NW (Morgan)	Red River	GRB	44.8981	88.8442
SBCW3		Sturgeon Bay	Sturgeon Bay Canal	GRB	44.7955	87.3143
WAWW3	04087088	Wauwatosa	Underwood Creek	MKX	43.0547	88.0461
SHAW3	04077400 #	Shawano 4N	Wolf River	GRB	44.8358	88.6250

*** GNDDATA - Grand, Muskegon/White Basins, MI ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
VGCM4	04121300	Vogel Center	Clam River	APX	44.2006	85.0528
CMPM4		Comstock Park	Grand River	GRR	43.0461	85.6514
EASM4	04119400	Eastmanville	Grand River	GRR	43.0242	86.0264
EATM4	04111000	Eaton Rapids 2NE	Grand River	GRR	42.5347	84.6231
RBNM4		Robinson Twp - 118th Ave	Grand River	GRR	43.0400	86.0811
ZEEM4	04108800	Zeeland 2S	Macatawa River	GRR	42.7836	86.0364

*** ILODATA - Mainstem Illinois R ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
MOXI2	05541710	Morris 6NE	Aux Sable Creek	LOT	41.4172	88.3475
LCSI2	05536890	Lemont	Chicago Sanitary & Ship Canal	LOT	41.6914	87.9647
LOKI2	05537000 #	Lockport L&D 2	Chicago Sanitary & Ship Canal	LOT	41.5686	88.0772

JOLI2	05538008	#	Joliet - Brandon Rd L&D 3	Des Plaines River	LOT	41.5033	88.1028
COPI2	05568615		Banner 3SSE (at Copperas Cr)	Illinois River	ILX	40.4761	89.8883
CDII2	05541500	#	Channahon 3SW - Dresden Island L&D 4	Illinois River	LOT	41.3981	88.2792
HNRI2			Henry (USGS Gage)	Illinois River	ILX	41.1072	89.3564
KNGI2	05568500		Kingston Mines	Illinois River	ILX	40.5528	89.7778
MRSI2	05543500		Marseilles	Illinois River	LOT	41.3269	88.7175
MCPI2	05587000		Kane 4NW	Macoupin Creek	LSX	39.2342	90.3944

*** KBMDATA - Kaskaskia and Big Muddy R Basin ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
RNDI2	05595950	#	Benton 3NW - Rend Lk	Big Muddy River	PAH	38.0375	88.9617
CFMI2	05595820		Mt Vernon 2SE	Casey Fork	PAH	38.2867	88.8719
MCOI2	05597500		Marion 2E	Crab Orchard Creek	PAH	37.7311	88.8892
CODI2			Crab Orchard Lake 12W	Crab Orchard Lake	PAH	37.7142	89.1486
HOFI2	05593520		Hoffman 2SW	Crooked Creek	LSX	38.5069	89.2733
COFI2	05593900		Coffeen	East Fk Shoal Creek	LSX	39.1489	89.3522
FARI2	05592900		Fairman	East Fork Kaskaskia River	LSX	38.6897	89.0989
HCKI2	05592575		Brownstown 4S	Hickory Creek	LSX	38.9369	88.9528
HRRI2	05592800		Mulberry Grove 1E	Hurricane Creek	LSX	38.9225	89.2372
CRLI2			Carlyle - Carlyle Lk (TW)	Kaskaskia River	LSX	38.6178	89.3539
CTVI2	05590950		Chesterville	Kaskaskia River	ILX	39.7031	88.3864
COKI2	05591200		Cooks Mills	Kaskaskia River	ILX	39.5833	88.4133
CWDI2	05592100		Cowden	Kaskaskia River	ILX	39.2306	88.8425
POSI2	05593020		Posey (Carlyle 5S)	Kaskaskia River	LSX	38.5364	89.3817
SBYI2	05591950	#	Shelbyville Dam	Kaskaskia River	ILX	39.4090	88.7801
SLVI2	05592000		Shelbyville Dam (TW)	Kaskaskia River	ILX	39.4072	88.7814
VDYI2	05594100		Venedy Station 1NW	Kaskaskia River	LSX	38.4506	89.6275
CAYI2	05592990	#	Carlyle 1NE - Carlyle Rsvr	Kaskaskia River	LSX	38.6183	89.3519
WRCI2	05595730		Waltonville 3N	Rayse Creek	PAH	38.2539	89.0397
SRCI2	05592050		Shelbyville 6W	Robinson Creek	ILX	39.4059	88.8964
BRSI2	05594000		Breese 2E	Shoal Creek	LSX	38.6097	89.4944
PRNI2	05593945		Pierron 4E	Shoal Creek	LSX	38.7758	89.4989
FREI2	05594800		Freeburg	Silver Creek	LSX	38.4061	89.8739
WORI2	05591700		Lovington 2NW	West Okaw River	ILX	39.7311	88.6619
WHCI2	05591550		Allenville 3S	Whitley Creek	ILX	39.5067	88.5275

*** KDFDATA - Illinois R tribs abv LaSalle, IL ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
RVLI2	05534000	#	Romeoville	Des Plaines River	LOT	41.6403	88.0672
ALGI2	05550000		Algonquin	Fox River	LOT	42.1664	88.2903
JHNI2	05548500		Johnsburg	Fox River	LOT	42.3764	88.2375
MHYI2	05549501		McHenry - William G Stratton L&D	Fox River	LOT	42.3091	88.2533
SELI2	05551000		South Elgin	Fox River	LOT	41.9961	88.2950
WADW3	05544348		Waterford - Dam	Fox River	MKX	42.7653	88.2133
YKVI2	05551580		Yorkville (Palmer Dam)	Fox River	LOT	41.6428	88.4433
OMCI2	05527950		Old Mill Creek 1SE	Mill Creek	LOT	42.4153	87.9689
MUKW3	05544200		Mukwonago	Mukwonago River	MKX	42.8567	88.3278
NIPI2	05548280		Spring Grove	Nippersink Creek	LOT	42.4434	88.2475
NBAI2	05536105	#	Chicago - Albany Ave	North Branch Chicago River	LOT	41.9742	87.7058
NILI2	05536000		Niles	North Branch Chicago River	LOT	42.0122	87.7958
WSPI2	05531500		Western Springs	Salt Creek	LOT	41.8264	87.9000
WCAI2			Addison 1N - WWTP	Westwood Creek	LOT	41.9409	87.9875

*** KSJDATA - Kalamazoo/St Joseph Bsns-MI & IN ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
AUGM4	04105700		Augusta 1N	Augusta Creek	GRR	42.3533	85.3539
SNMM4	04101800		Sumnerville	Dowagiac River	IWX	41.9133	86.2131
MGOM4	04103010	#	Marengo 1S	Kalamazoo River	GRR	42.2617	84.8558
RIVM4	04102500		Riverside 1E	Paw Paw River	IWX	42.1861	86.3683
AQPI3	04099510		Angola 6W	Pigeon Creek	IWX	41.6344	85.1097
SCOI3	04099750		Scott 1NW	Pigeon River	IWX	41.7489	85.5764
PCKM4	04106500		Kalamazoo 1SE	Portage Creek	GRR	42.2742	85.5763
NOTM4	04097540		Nottawa 3SE	Prairie River	IWX	41.8883	85.4089
HOPM4	04108600		Hopkins 2NE	Rabbit River	GRR	42.6422	85.7219
BNRM4	04102700		Bangor 5NW	South Branch Black River	GRR	42.3542	86.1875
BSDM4	04102000	#	Berrien Springs - Dam	St Joseph River	IWX	41.9439	86.3289
CONM4			Constantine 2N - Hydro Dam	St Joseph River	IWX	41.8433	85.6694
EHDI3			Elkhart Hydro Dam	St Joseph River	IWX	41.6917	85.9583
TBHI3			Mishawaka - Twin Branch Hydro Dam	St Joseph River	IWX	41.6667	86.1317
ORAI3			Ora 1SW	Tippecanoe R	IWX	41.1572	86.5636
WANM4	04104945		Battle Creek 5N	Wanadoga Creek	GRR	42.3964	85.2214

*** LOWDATA - Lake of the Woods Basin ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
WTNM5	05127500		Winton 14NE	Basswood River	DLH	48.0819	91.6528
BIFM5	05132000		Big Falls	Big Fork River	DLH	48.1958	93.8069
DKAM5			Babbitt 4E	Dunka River	DLH	47.6986	91.8683
DRBM5			Babbitt 6SE	Dunka River	DLH	47.6489	91.8492
EWRM5			Roosevelt 6SSW	East Branch Warroad River	FGF	48.7253	95.1336
FLSM5	05124990	#	Ely 9SE	Filson Creek	DLH	47.8347	91.6742
KAWM5	05124480		Ely 14E	Kawishiwi River	DLH	47.9228	91.5350
GDNM5	05127000	#	Winton 1E - Garden Lake	Kawishiwi River	DLH	47.9336	91.7642
LCBM5			Babbitt 5ESE	Langley Creek	DLH	47.6661	91.8589
LDNM5			Linden Grove	Little Fork River	DLH	47.8586	92.8700
RNYM5	05129515		International Falls (below)	Rainy River	DLH	48.5922	93.4467
MNUM5	05133500		Manitou Rapids 4W	Rainy River	DLH	48.6344	93.9131
WHPM5			Wheeler's Point	Rainy River	FGF	48.8303	94.7050
BRRM5	05134200		Baudette 12S	Rapid River	FGF	48.5361	94.5625
CLEM5			Clementson	Rapid River	FGF	48.6903	94.4331
BISM5			Babbitt 9NE - Birch Lk	South Kawishiwi River	DLH	47.8161	91.7847
IRNM5			Ely 2E - White Iron Lk	South Kawishiwi River	DLH	47.8961	91.7883
SKWM5	05126210		Ely 5SE-Abv White Iron Lk	South Kawishiwi River	DLH	47.8419	91.7989

*** M10DATA - Miss. R - Lake City, MN-L&D 10 ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
ELRI4			West Union 5NW (Near Eldorado)	Little Turkey River	ARX	43.0089	91.8694
AMAW3			Alma (Pool 5 CP)	Mississippi River	ARX	44.2842	91.9267
BRWM5	05386400		Brownsville	Mississippi River	ARX	43.6867	91.2725
CLAI4	05411500		Clayton (Pool 10 CP)	Mississippi River	ARX	42.9036	91.1458
DKTM5			Dakota (Pool 7 CP)	Mississippi River	ARX	43.9139	91.3583
ELGI4	05411900	#	Elgin	Otter Creek	ARX	42.9522	91.6428
HKHM5			Hokah WWTP	Root River	ARX	43.7661	91.3447
MDPM5			Mound Prairie	Root River	ARX	43.7814	91.4464
RPMM5	05383950		Pilot Mound 2S	Root River	ARX	43.7847	92.0300
RSFM5	05384350		Rushford 2W	Root River	ARX	43.7978	91.8039
OXBM5			Post Town /ALERT/	S Br Mdl Fk Zumbro River	ARX	44.0908	92.6361
CMAM5			Carimona	South Branch Root River	ARX	43.6603	92.1544
HUSM5	05385500		Houston 2S	South Fork Root River	ARX	43.7386	91.5639
SFZM5			Rochester 5SW - CR104	South Fork Zumbro River	ARX	43.9792	92.5583
CMTI4			Clermont	Turkey River	ARX	42.9975	91.6583
EDRI4	05411850		Eldorado 1E	Turkey River	ARX	43.0542	91.8089
FAYI4	05412340	#	Fayette 1W	Volga River	ARX	42.8442	91.8181
VLPI4	05412400		Littleport	Volga River	ARX	42.7539	91.3689
FRCM5			Frontenac 2S	Wells Creek	MPX	44.5069	92.3331
BVRM5	05376800	#	Beaver	Whitewater River	ARX	44.1508	92.0050
YRII4	05389000		Ion	Yellow River	ARX	43.1119	91.2650
KELM5	05374900	#	Kellogg	Zumbro River	ARX	44.3122	92.0039
LKZM5			Zumbro Falls 6SW-Lk Zumbro	Zumbro River	ARX	44.2128	92.4800

*** M19DATA - Miss. R - L&D 11-Gregory Landing ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)

NWBI2	05466500		New Boston	Edwards River	DVN	41.1875	90.9681
FMDI4			Fort Madison	Mississippi River	DVN	40.6283	91.2956

*** MECDATA - Meramec R Basin ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
BNTM7	07017610		Bonne Terre 3NNW	Big River	LSX	37.9656	90.5744
DLGM7	07017260		Desloge 2NE	Big River	LSX	37.8892	90.5103
IRNM7	07017200		Irondale	Big River	LSX	37.8300	90.6908
RCHM7	07018100		Richwoods	Big River	LSX	38.1594	90.7061
SPBM7	07016000	#	Spring Bluff 2NW	Bourbeuse River	LSX	38.3119	91.2778
HTGM7	07015720		St James 11N (High Gate 5E)	Bourbeuse River	SGF	38.1469	91.5806
HZHM7	07014000		Butts 3WSW	Huzzah Creek	LSX	37.9747	91.2044

*** MENDATA - Menominee R - NE WI & U.P. of MI ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
COMW3	04062011		Commonwealth 3NNE - Brule Island Dam	Brule River	GRB	45.9475	88.2153
FLRW3	04060993		Florence 4NW	Brule River	GRB	45.9608	88.3158
CRRM4	04059750		Cedar River 5NW	Cedar River	MQT	45.5238	87.3950
CLKW3			Amberg 9E-Chalk Hill Pwr	Menominee River	GRB	45.5139	87.8025
BANM4	04066030		Banat 5WSW-White Rapids Dam	Menominee River	GRB	45.4819	87.8022
TWFM4	04063522		Iron Mountain - US Hwy 2	Menominee River	GRB	45.8661	88.0746
KFDM4			Kingsford 2NW-Henry Ford Dam	Menominee River	GRB	45.8083	88.1242
KOSM4	04066800		Koss	Menominee River	GRB	45.3872	87.7019
GRRW3			McAllister 4NE-Grand Rapids Dam	Menominee River	GRB	45.3550	87.6486
BGQW3			Niagra 2NW - Big Quinnesec Dam	Menominee River	GRB	45.7875	88.0397
PBIW3	04066003		Pembine 11SE	Menominee River	GRB	45.5794	87.7869
PEAM4			Alpha 9SE - Peavy Pond	Michigamme River	MQT	45.9908	88.2081
CRFM4	04062500		Crystal Falls 6E	Michigamme River	MQT	46.1139	88.2158
CYFM4			Crystal Falls 6NE-Way Dam	Michigamme River	MQT	46.1597	88.2436
MFSM4	04062850	#	Michigamme Falls Dam	Michigamme River	MQT	45.9544	88.1958
APHM4			Alpha 6ESE - Lower Paint Dam	Paint River	MQT	46.0200	88.2600
PRAM4	04062000		Alpha 6SE	Paint River	MQT	46.0111	88.2583
AMBW3	04066500		Amberg	Pike River	GRB	45.5000	88.0000
PLGM4	04043016		Houghton 3SSE	Pilgrim River	MPX	47.0841	88.5505
BRKW3	04064500		Florence 6S	Pine River	GRB	45.8378	88.2258
FCEW3	04063700		Fence 3NW	Popple River	GRB	45.7636	88.4631
LORM4	04065650		Loretto	Sturgeon River	MQT	45.7761	87.8283

*** MINDATA - Minnesota R abv Shakopee, MN ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
BVFM5			Beaver Falls	Beaver Creek	MPX	44.5839	95.0475
BFRM5			Beauford 4NW	Big Cobb River	MPX	44.0472	94.0006
BCPS2	05289985	#	Peever 4S	Big Coulee Creek	ABR	45.4872	96.9572
RAPM5	05320000		Rapidan 2W	Blue Earth River	MPX	44.0956	94.1091
BENM5	05303500	#	Benson	Chippewa River	MPX	45.3111	95.6250
CLOM5			Clontarf 1NE	Chippewa River	MPX	45.3856	95.6589
MLNM5	05304500		Milan 6E	Chippewa River	MPX	45.1083	95.7986
WTSM5	05305000		Watson 1NE (Dam)	Chippewa River	MPX	45.0167	95.8000
SAGM5	05304980	#	Watson 2N - Sag Weir	Chippewa River Div	MPX	45.0250	95.7972
LMBM5			Lamberton 1NE	Cottonwood River	MPX	44.2386	95.2450
LVNM5			Leavenworth	Cottonwood River	MPX	44.2275	94.8064
BBBM5			Benson 2N	East Branch Chippewa River	MPX	45.3481	95.5928
HAWM5	05314530	#	Granite Falls 7SE	Hawk Creek	MPX	44.7622	95.4289
MRDM5			Maynard 3SSW	Hawk Creek	MPX	44.8694	95.4831
ARLM5			Arlington 1NNW	High Island Creek	MPX	44.6225	94.0919
LQPM5	05300000		Lac Qui Parle	Lac Qui Parle River	MPX	44.9950	95.9192
PVRM5	05299650	#	Providence 5NE	Lac Qui Parle River	MPX	44.8850	96.0522
LAQM5			Lac Qui Parle	Lac Qui Parle Rsvr	MPX	45.0336	95.8675
MILM5			Milan - Hwy 40	Lac Qui Parle Rsvr	MPX	45.0972	95.9800
RPDM5	05320500		Rapidan 2NE	Le Sueur River	MPX	44.1097	94.0417
RPLM5			Rapidan 4E	Le Sueur River	MPX	44.0847	93.9886
CRTM5	05317200		Courtland 2S	Little Cottonwood River	MPX	44.2464	94.3386
RDMM5			Rapidan 3SE	Maple River	MPX	44.0653	94.0261
STGM5			Sterling Center 2NE	Maple River	MPX	43.9350	94.0708
BSTS2			Big Stone City 2NW	Minnesota River	ABR	45.2995	96.4997
JUDM5	05317500	#	Judson	Minnesota River	MPX	44.2003	94.1939
LQRM5	05301000		Lac Qui Parle Dam	Minnesota River	MPX	45.0214	95.8681
ODEM5			Louisburg 8NW /Odessa/	Minnesota River	MPX	45.2269	96.2903
MLDM5	05294070	#	Louisburg - Marsh Lake Dam	Minnesota River	MPX	45.1714	96.0933
ODAM5	05292560	#	Odessa - Hwy 75 Dam	Minnesota River	MPX	45.2489	96.2975
ORTM5	05292000		Ortonville	Minnesota River	MPX	45.2956	96.4439
SPTM5	05325300	#	St Peter - MN Hwy 22	Minnesota River	MPX	44.3075	93.9600
APPM5	05294000		Appleton	Pomme de Terre River	MPX	45.2028	96.0222
HOFM5			Hoffman 7SSW	Pomme de Terre River	MPX	45.7453	95.8572
NSTM5	05325148	#	St Peter 6SW	Seven Mile Creek	MPX	44.2628	94.0306
MDAM5			Madelia 4SW	S Fk Watonwan River	MPX	44.0306	94.4697
BNNM5			Benson 8S	Shakopee Creek	MPX	45.2039	95.6136
COBM5			Cobden 3SE	Sleepy Eye Creek	MPX	44.2536	94.8064
HNLM5			Hanley Falls 4WNW	Spring Creek	MPX	44.7219	95.6858
GRDM5	05319500		Garden City 2W	Watonwan River	MPX	44.0464	94.1953
LSLM5			La Salle 5SE	Watonwan River	MPX	44.0567	94.5039
WSDM5	05299780	#	Dawson 7W	West Branch Lac Qui Parle River	MPX	44.9361	96.1925
BGCS2	05291000		Big Stone City 2W	Whetstone River	ABR	45.2922	96.4872
ODSM5	05293000		Odessa	Yellow Bank River	MPX	45.2264	96.3533
GRNM5	05313500		Granite Falls 6S	Yellow Medicine River	MPX	44.7217	95.5186
HANM5			Hanley Falls 4W	Yellow Medicine River	MPX	44.6883	95.7122

*** MISDATA - Miss. R - L&D 20 to Chester, IL ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
MBRI2	05495500		Marcelline 2NE	Bear Creek	LSX	40.1428	91.3372
GRTI2			Granite City Lock 27 (TW)	Chain Of Rocks Canal	LSX	38.7000	90.1828
CPGM7	07020850		Cape Girardeau	Mississippi River	PAH	37.3019	89.5180
JBSM7			Mississippi River at Jefferson Barracks	Mississippi River	LSX	38.4837	90.2802
MOZI2			Mozier Landing (Pool 25 CP)	Mississippi River	LSX	39.2573	90.7272
ENGM7			MISSISSIPPI RIVER AT ENGINEERS DEPOT-ST. LOUIS	MISSISSIPPI RIVER	LSX	38.5891	90.2061
BOZM7	06909000	#	Boonville	Missouri River	EAX	38.9783	92.7536
HRNM7	06934500		Hermann	Missouri River	LSX	38.7100	91.4392
JFFM7	06910450	#	Jefferson City	Missouri River	LSX	38.5869	92.1797
SCLM7	06935965		St Charles 1E	Missouri River	LSX	38.7856	90.4719
WHGM7	06935450		Washington	Missouri River	LSX	38.5597	91.0075
STTM7	06926510	#	St Thomas 4N	Osage River	LSX	38.3403	92.2236

*** NLMDATA - Northern Lower Michigan rivers ***

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

*** RCKDATA - Rock R Basin ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
ROMW3	05426250		Rome 3SW	Bark River	MKX	42.9603	88.6706
BEAW3	05425912		Beaver Dam WWTP	Beaver Dam River	MKX	43.4492	88.8392
PENI2	05444000		Penrose	Elkhorn Creek	DVN	41.9028	89.6961
MRGI2	05438170		Marengo	Kishwaukee River	LOT	42.2653	88.6081
DXOI2			Dixon - Dam	Rock River	LOT	41.8456	89.4806
HCNW3	05424057		Horicon	Rock River	MKX	43.4503	88.6322
HCMW3			Horicon Marsh	Rock River	MKX	43.5272	88.6442
HDMW3			Hustisford - Dam	Rock River	MKX	43.3483	88.5994
INFW3	05427570	#	Indianford	Rock River	MKX	42.8042	89.0903
LEBW3	05424157		Lebanon 3E	Rock River	MKX	43.2619	88.5744
FDLI2	05439500		Fairdale 1ENE	South Branch Kishwaukee River	LOT	42.1106	88.7172
WPNW3	05423500		Waupun	South Branch Rock River	MKX	43.6417	88.7375
BLOW3			Beloit 3NE	Turtle Creek	MKX	42.5417	88.9922
FULW3	05430175		Fulton 3NW	Yahara River	MKX	42.8264	89.1719
MSOW3	05428500		Madison - E Main St	Yahara River	MKX	43.0894	89.3608
MAOW3	05427850		Madison - Hwy 113	Yahara River	MKX	43.1508	89.4019
MDAW3	05428000		Madison - Lk Mendota	Yahara River	MKX	43.0950	89.3700
MNAW3	05429000		Madison - Lk Monona	Yahara River	MKX	43.0633	89.3969
MRDW3	05429510	#	McFarland 1S	Yahara River	MKX	43.0047	89.3192
MCFW3	05429500		McFarland 1SW	Yahara River	MKX	43.0089	89.3050
SOOW3	05429700		Stoughton - Forton St	Yahara River	MKX	42.9197	89.2203
WDRW3	05427718		Winsor	Yahara River	MKX	43.2089	89.3525

*** RDWDATA - Mississippi R abv Red Wing, MN ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
GBDM5			Minnetonka		MPX	44.9533	93.4872
SOMW3	05341498		Somerset	Apple River	MPX	45.1575	92.7164
BOYM5			Boy River 6S	Boy River	DLH	47.0808	94.0981
BTNM5	05278860	#	Brownton	Buffalo Creek	MPX	44.7358	94.3506
GLNM5	05278930	#	Glencoe	Buffalo Creek	MPX	44.7639	94.0908
CFLM5	05355092		Cannon Falls - 9th St	Cannon River	MPX	44.5169	92.9119
FRLM5	05354500		Faribault 4N - CR 29	Cannon River	MPX	44.3597	93.2567
KLKM5			Kilkenny 3SW	Cannon River	MPX	44.2972	93.6290
MRTM5			Morristown - CSAH44	Cannon River	MPX	44.2286	93.4492
WLCM5	05355200		Welch	Cannon River	MPX	44.5639	92.7319
RANM5	05355038		Randolph 3W - CR 47	Chub Creek	MPX	44.5289	93.0725
CLWM5			Clearwater	Clearwater River	MPX	45.4114	94.0619
NIMM5	05244000		Nimrod	Crow Wing River	FGF	46.6403	94.8789
PLLM5			Pillager	Crow Wing River	DLH	46.3158	94.4847
SYLM5			Pillager 5SE - Sylvan Dam	Crow Wing River	DLH	46.3047	94.3775
PLGM5	05247500		Pillager 5SE - Sylvan Dam	Crow Wing River	DLH	46.3050	94.3772
ERVM5	05275000		Elk River 4WNW	Elk River	MPX	45.3339	93.6667
CHPM5	05287890		Champlin	Elm Creek	MPX	45.1633	93.4364
GLKM5			East Gull Lake - Gull Lk	Gull River	DLH	46.4111	94.3594
GLLM5	05247000	#	Gull Lake Dam (Brainerd 9NW)	Gull River	DLH	46.4111	94.3533
SANM5	05336700		Sandstone	Kettle River	DLH	46.1056	92.8639
RFSW3	05342000		River Falls 5W	Kinnickinnic River	MPX	44.8308	92.7331
MTKM5	05289000		Minnetonka-abv Gray's Bay Outlet	Lake Minnetonka	MPX	44.9533	93.4872
LFEM5	05244440	#	Aldrich 7NE - CSAH29	Leaf River	FGF	46.4567	94.8414
LEEM5	05205900		Federal Dam 5SW - Sugar Point	Leech Lake	DLH	47.1706	94.2867
LLRM5	05207500	#	Ball Club 5SSW - Abv Mud Lk Dam	Leech Lake River	DLH	47.2708	93.9489
FEDM5	05206000	#	Leech Lake Dam	Leech Lake River	DLH	47.2467	94.2228
CNFM5	05355140	#	Cannon Falls	Little Cannon River	MPX	44.4703	92.9339
SOGM5	05355130	#	Sogn	Little Cannon River	MPX	44.4064	92.9306
LLKM5			Long Lake 1SE	Long Lake Creek	MPX	44.9805	93.5606
PLBM5			Philbrook	Long Prairie River	MPX	46.2881	94.7158
MNAM5			Manannah 1S	Middle Fork Crow River	MPX	45.2433	94.6194
SPCM5	05278000	#	Spicer 6E	Middle Fork Crow River	MPX	45.2625	94.8028
MLLM5	05284000		Onamia 4NE - Cove Bay	Mille Lacs Lake	MPX	46.1100	93.6189
MHAM5	05289800		Minneapolis - Hiawatha Ave	Minnehaha Creek	MPX	44.9156	93.2125
FSNM5	05330920	#	Fort Snelling	Minnesota River	MPX	44.8703	93.1922
WILM5	05207600		Ball Club 2SE (Willow Beach)	Mississippi River	DLH	47.3025	93.9014
WNBM5	05201500	#	Ball Club 9NW-Lk Winnibigosh (Dam)	Mississippi River	DLH	47.4295	94.0515
MSBM5			Bemidji 2SW	Mississippi River	FGF	47.4508	94.9067
BEMM5	05200510		Bemidji 4E	Mississippi River	FGF	47.4833	94.7278
DAYM5	05210000		Cohasset 9W (Days High Landing)	Mississippi River	DLH	47.2519	93.8000
MGRM5	05211000		Grand Rapids	Mississippi River	DLH	47.2333	93.5232
POKM5			Grand Rapids 3W/CR63-Pokegama Lake	Mississippi River	DLH	47.2353	93.6111
PKGM5	05210700	#	Grand Rapids 3WNW-Pokegama Dam	Mississippi River	DLH	47.2508	93.5861
LSAM5			Minneapolis - Lower St Anthony Falls	Mississippi River	MPX	44.9783	93.2469
USAM5			Minneapolis - Upper St Anthony Falls	Mississippi River	MPX	44.9808	93.2572
KNUM5			Pennington 2S - Cass Lk	Mississippi River	FGF	47.4517	94.4831
PREW3	05344500		Prescott (Pool 3 CP)	Mississippi River	MPX	44.7458	92.8000
SSPM5			South St Paul (Pool 2 CP)	Mississippi River	MPX	44.8955	93.0296
SCLM5	05270000	#	St Cloud - Regis Papermill	Mississippi River	MPX	45.6158	94.2014
SPAM5			St Paul L&D 1/Ford Plant	Mississippi River	MPX	44.9150	93.1994
ATDM5	05227530		Aitkin 4NNE	Mississippi River Diversion	DLH	46.5917	93.6869
LEOW3	05331833		Cable 3SW (Leonards)	Namekagon River	DLH	46.1714	91.3292
TGOW3	05332500	#	Trego 4NW	Namekagon River	DLH	45.9481	91.8881
NOKM5			Ft Ripley 3NE - Nokasippi River	Nokasippi River	DLH	46.2000	94.3178
CKAM5			Cokato 4NNE	North Fork Crow River	MPX	45.1269	94.1467
MNHM5			Manannah 4E	North Fork Crow River	MPX	45.2531	94.5461
PVLM5	05276210	#	Paynesville 1ENE - MN23	North Fork Crow River	MPX	45.3844	94.6958
RNFM5	05278400	#	Rockford 3W	North Fork Crow River	MPX	45.0958	93.7894
PNTM5			Mound 2N	Painter Creek	MPX	44.9640	93.6724
CRLM5	05231000	#	Cross Lake Dam	Pine River	DLH	46.6692	94.1122
PRJM5			Jenkins 4NNE	Pine River	DLH	46.6936	94.3042
MISM5			Mission 2SSE	Pine River	DLH	46.5714	94.0278
PLRM5			Royalton	Platte River	MPX	45.7972	94.2919
CNPM5	05355080		Cannon Falls 4WSW	Prairie Creek	MPX	44.4717	93.0036
PGRM5			Grand Rapids	Prairie River	DLH	47.2447	93.4871
PRAM5	05213000	#	Grand Rapids 4N	Prairie River	DLH	47.2853	93.4978
RCUM5	05288580		Mounds View-below Old Hwy 8	Rice Creek	MPX	45.0933	93.1950
SDYM5	05218500	#	Libby - Sandy Lake Dam	Sandy River	DLH	46.7889	93.3194
SAMM5			St Martin 1NNW - CR12	Saulk River	MPX	45.5194	94.6803
SGCM5	05288705		Minneapolis - Shingle Creek	Shingle Creek	MPX	45.0500	93.3100
SMMM5			St. Bonifacius 2E	Six Mile Creek	MPX	44.9075	93.7051
GSTM5			Grasston	Snake River	MPX	45.7883	93.1478
MCGM5			McGrath 2SE	Snake River	DLH	46.2167	93.2406
WMNM5			Warman	Snake River	MPX	46.0247	93.2308
COSM5	05278500	#	Cosmos 1E	South Fork Crow River	MPX	44.9356	94.6753
HCNM5			Hutchinson	South Fork Crow River	MPX	44.8778	94.3589
LEPM5			Lester Prairie 1ESE	South Fork Crow River	MPX	44.8789	94.0306
GTBW3	05336000	#	Grantsburg	St Croix River	DLH	45.9236	92.6397
SCFW3	05340500		St Croix Falls	St Croix River	MPX	45.4069	92.6469
FRBM5	05353800		Faribault	Straight River	MPX	44.2581	93.2308
PRKM5	05243725		Park Rapids 3S-US Hwy 71	Straight River	FGF	46.8750	95.0656
SUNM5			North Branch 6NE (Sunrise)	Sunrise River	MPX	45.5442	92.8589
JACM5			Jacobson 4NE	Swan River	DLH	47.0322	93.1933
EMPM5	05345000		Empire	Vermillion River	MPX	44.6667	93.0547
PRNM5			PRINCETON	W Br Rum River	MPX	45.5808	93.6144
PLSM5	05221020	#	Palisade	Willow River	DLH	46.7347	93.4850
WLWW3	05341752	#	Burkhardt 2SE - Willow River S.P.	Willow River	MPX	45.0117	92.7083

*** REDDATA - Red R of the North mainstem ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
DORM5	05051300		Doran	Bois De Sioux River	FGF	46.1522	96.5789
WHRM5	05050000		White Rock Dam (Wheaton 5NW)/Mud Lk	Boix De Sioux River	ABR	45.8625	96.5736
ELMN8			Grandin 1N	Elm River	FGF	47.2461	97.0047
HRMM5	05047490	#	Herman 6W	Fivemile Creek	ABR	45.8033	96.2586
NOPM5			Tintah 3SE - North Ottawa Impoundment	Judicial Ditch No. 2	FGF	45.9917	96.2569

TRAM5	05049710		Browns Valley 15NE-Reservation Dam	Lake Traverse	ABR	45.7689	96.6383
MLWM5			Mud Lake Near Wheaton 4NW	Mud Lake	ABR	45.8358	96.5728
NCMM5			Norcross 1NW	Mustinka River	FGF	45.8869	96.2136
WEAM5	05049000		Wheaton - Hwy 75	Mustinka River	ABR	45.8208	96.4906
BROM5			Breckenridge 11th St	Otter Tail River	FGF	46.2744	96.5800
ELZM5	05030500		Elizabeth 6E	Otter Tail River	FGF	46.3694	96.0172
OTRM5	05046000		Fergus Falls 7SW-Orwell Dam (TW)	Otter Tail River	FGF	46.2097	96.1847
ORWM5	05045950	#	Orwell Dam	Otter Tail River	FGF	46.2153	96.1778
BTWM5	05046475		Breckenridge	Otter Tail River Diversion	FGF	46.2825	96.5822
JAHM5			Campbell 4W	Rabbit River	FGF	46.1117	96.4928
EMRQ3	05102500	#	Emerson	Red River	FGF	49.0039	97.2239
ENLN8	0505152130		Abercrombie 3N (Enloe)	Red River of the North	FGF	46.4989	96.7389
TPNN8	05070000		Thompson 8E	Red River of the North	FGF	47.7589	96.9436
TMCM5			Wheaton 8NE - CSAH14	Twelvemile Creek	ABR	45.8606	96.3589
DUMM5	05047850	#	Dumont 4E	Twelve Mile Creek	ABR	45.7161	96.3486
DMTM5			Dumont	West Branch 12 Mile Creek	ABR	45.7161	96.4222
MDRN8	05052000		Mantador 2W	Wild Rice River	FGF	46.1728	97.0106
FWRN8	05051600		Rutland 2S	Wild Rice River	FGF	46.0222	97.5111
STBN8	05053500		St Benedict 2SSW (I-29)	Wild Rice River	FGF	46.7119	96.8308

*** SMSDATA - Southeastern Michigan Streams ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
MEMM4	04160600		Memphis	Belle River	DTX	42.9008	82.7692
AHCM4	04161000		Auburn Heights	Clinton River	DTX	42.6333	83.2244
CSHM4	04161820		Sterling Heights	Clinton River	DTX	42.6144	83.0267
MFHM4	04170000	#	Milford 2SW	Huron River	DTX	42.5789	83.6267
NHHM4	04170500	#	New Hudson 3W	Huron River	DTX	42.5125	83.6764
KTLM4	04170490	#	New Hudson 3W - Kent Lk	Huron River	DTX	42.5125	83.6761
MBCM4	04164800		Macomb	Middle Branch Clinton River	DTX	42.7064	82.9592
GPEM4	04176500		Grape	River Raisin	DTX	41.9606	83.5311
MCHM4	04175600		Manchester WWTP	River Raisin	DTX	42.1500	84.0167
SALM4	04176400		Saline WWTP	Saline River	DTX	42.1303	83.7758

*** SMWDATA - Saginaw Basin in MI ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
WAHM4	04150800		Wahjamega	Cass River	DTX	43.4506	83.4414
FOSM4	04149000		Fosters 1S	Flint River	DTX	43.3000	83.9497
OTSM4	04147500		Otisville 4S	Flint River	DTX	43.1111	83.5194
CASM4	04159010	#	Caseville 2E	Pigeon River	DTX	43.9394	83.2417
ESVM4	04157070	#	Essexville 3N - Alpin Beach	Saginaw River (mouth)	DTX	43.6414	83.8467
CHSM4	04144600	#	Chesaning	Shiawassee River	DTX	43.1844	84.1147
BEVM4	04152238		Beaverton 3WSW	South Branch Tobacco River	APX	43.8669	84.5453
SAFM4	04153300		Sanford - Dam	Tittabawassee River	DTX	43.6772	84.3825

*** SRSDATA - Souris R Basin ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
BRDQ8			Estevan 3W	Boundary Rsvr Diversion Canal	BIS	49.1475	103.1086
CKEQ8			Goodwater 7SE	Cooke Creek	BIS	49.3519	103.6131
UPHN8	05123510		Upham 6W	Deep River	BIS	48.5842	100.8622
CLBN8	05113750		Columbus 6N (Rsvr)	East Branch Short Creek	BIS	48.9906	102.7853
RADQ8			Radville 6NW	Gibson Creek	BIS	49.4839	104.3364
JEWQ8			Goodwater 1SSW	Jewel Creek	BIS	49.3861	103.7117
LCKQ8			Estevan 2S	Long Creek	BIS	49.1042	103.0133
BNDQ8			Estevan 3SSW - Boundary Rsvr	Long Creek	BIS	49.0969	103.0244
MXMQ8			Maxim 4S	Long Creek	BIS	49.2589	103.9561
NOON8	05113600		Noonan 7NNW	Long Creek	BIS	48.9811	103.1589
TORQ8	05113360	#	Torquay 12SE (Western Crossing)	Long Creek	BIS	49.0003	103.3522
ALAQ8			Alameda 8E - Grant Devine Rsvr	Moose Mountain Creek	BIS	49.2603	102.2286
MALQ8			Manor 18SW - Abv Alameda Rsvr	Moose Mountain Creek	BIS	49.5228	102.1697
MMOQ8			Oxbow 8WNW	Moose Mountain Creek	BIS	49.2328	102.2281
CRNQ8			Corning 14SSW - Moose Mtn Lk	Moose Mountain Lake	BIS	49.8936	103.0303
MOSQ8			Halbrite 2W	Mosely Creek	BIS	49.4944	103.6294
SCAQ8			Alameda 2N	Shepherd Creek	BIS	49.3472	102.2569
SHTQ8	05113800	#	Roche Percee 8SW	Short Creek	BIS	49.0311	102.8492
SBRQ8			Estevan 2W - Blo Rafferty Rsvr	Souris River	BIS	49.1433	103.0822
RAFQ8			Estevan - Rafferty Rsvr	Souris River	BIS	49.1461	103.0939
DARN8	05115500		Foxholm - Lk Darling	Souris River	BIS	48.4575	101.5872
HALQ8			Halbrite 13W	Souris River	BIS	49.4936	103.6622
VRNN8	05120000		Verendrye	Souris River	BIS	48.1597	100.7292
WNLQ8			Weyburn 7SSE - Nickle Lk	Souris River	BIS	49.5756	103.7689
TATQ8			Weyburn 5SW	Tatagwa Lake Drain	BIS	49.5994	103.9472
YLWQ8			Yellowgrass 16SE	Yellow Grass Ditch	BIS	49.7864	104.0378

*** SSLDATA - Illinois R tribs blo LaSalle, IL ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
WAYI2	05580000		Waynesville	Kickapoo Creek	ILX	40.2547	89.1292
CLFI2	05579500		Cornland 1NE	Lake Fork	ILX	39.9516	89.3855
GNVI2	05568000		Green Valley 4NNE	Mackinaw River	ILX	40.4542	89.6061
GLBI4			Gilbert	Montgomery Creek	DMX	42.1314	93.7566
DCRI2	05573540		Decatur	Sangamon River	ILX	39.8311	88.9764
DECI2	05573500	#	Decatur 1SSE - WTP & Lk Decatur	Sangamon River	ILX	39.8272	88.9558
FISI2	05570910		Fisher 1E	Sangamon River	ILX	40.3106	88.3222
ROCI2	05576000		Rochester 2WSW	South Fork Sangamon River	ILX	39.7422	89.5672
SUGI2	05576250		Springfield 3E	Sugar Creek	ILX	39.7792	89.5928
SPNI2			Springfield - Lk Springfield	Sugar Creek	ILX	39.7578	89.6044

*** TMNDATA - Red R tribs in Minnesota ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
NOTM5			Northcote 3E		FGF	48.8473	96.9309
SAUM5	05073650	#	Saum 3SW - Lwr Red Lk	Battle River Mouth	FGF	47.9597	94.7431
BRGM5	05062090	#	Georgetown 3SE	Buffalo River	FGF	47.0497	96.7536
BGLM5			Glyndon 2N	Buffalo River	FGF	46.8972	96.5769
KRGM5			Kragnes 3ESE	Buffalo River	FGF	46.9775	96.6911
PLUM5	05078000		Plummer 1NW	Clearwater River	FGF	47.9167	96.0333
RDLM5	05078500		Red Lake Falls	Clearwater River	FGF	47.8861	96.2767
OKLM5	05078230		Oklee	Lost River	FGF	47.8431	95.8583
AGYM5	05087500		Argyle	Middle River	FGF	48.3403	96.8161
NCTM5			Northcote 1SW	North Branch Two Rivers	FGF	48.8328	97.0200
FSHM5	05080000		Fisher	Red Lake River	FGF	47.8003	96.8086
RRDM5	05074500		High Landing 20E - Lwr Red Lk	Red Lake River	FGF	47.9575	95.2764
RLFM5			Red Lake Falls	Red Lake River	FGF	47.8967	96.2731
TRFM5	05076500	#	Thief River Falls	Red Lake River	FGF	48.1144	96.1792
CARM5	05112000		Lancaster 15NE (Caribou)	Roseau River	FGF	48.9817	96.4628
RSSM5	05107500		Ross	Roseau River	FGF	48.9103	95.9217
SRFM5			Fertile 3WSW	Sandhill River	FGF	47.5142	96.3417
SRBM5	05085430	#	Radium 2WNW - Retention Pond	Snake River	FGF	48.2419	96.5569
SBGM5			Glyndon 3SW	South Branch Buffalo River	FGF	46.8479	96.6149
LKBM5	05094000		Lake Bronson Below Bronson Lk	South Branch Two Rivers River	FGF	48.7325	96.6672
FLTM5	05063398		Felton 8NE - Cr 27	South Branch Wild Rice River	FGF	47.1133	96.3858
SRGM5	05106000		Roseau 10NNE	Sprague Creek	FGF	48.9925	95.6619
TRSM5	05091500	#	Stephen 5NW	Tamarac River	FGF	48.4919	96.9550
HLTM5			Holt 6E - Co Hwy 7	Thief River	FGF	48.3003	96.0708
TRRM5	05076000		Thief River Falls 5N	Thief River	FGF	48.1856	96.1697
WSKM5	05073500		Waskish 4NE & Upper Red Lk	Upper Red Lake	FGF	48.1756	94.5142
ADSM5	05063000	#	Ada 2S	Wild Rice River	FGF	47.2625	96.5000
MWRM5	05062440	#	Mahnomen 1SE	Wild Rice River	FGF	47.3111	95.9522

*** TMODATA - NE Missouri Tribs to Miss. R ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
PCZM7	05503800		Paris	Crooked Creek	LSX	39.5850	91.9933

MAZM7	05506800		Madison	Elk Fork Salt River	LSX	39.4347	92.1678
BMFI4	05494300	#	Bloomfield 1N	Fox River	DMX	40.7694	92.4186
PRZM7	05507600		Perry	Lick Creek	LSX	39.4314	91.6761
STFM7	05506100		Santa Fe 1SW	Long Branch	LSX	39.3558	91.8342
HGZM7	05502300		Hagers Grove	North Fork Salt River	LSX	39.8300	92.2306
SHZM7	05502500		Shelbina 3N	North Fork Salt River	LSX	39.7414	92.0406
CRZM7	05507795	#	Center 4.5NW - Re-reg Dam	Salt River	LSX	39.5644	91.5700
CEZM7	05507800		Center 5NW - Norton Brdg (CR A)	Salt River	LSX	39.5736	91.5714
CTZM7			Center 6W - Cannon Dam (TW)	Salt River	LSX	39.5250	91.6436
CDAM7	05507700	#	Center 6W-Clarence Cannon Dam	Salt River	LSX	39.5247	91.6442
NWKM7	05498700		Newark 3WNW	South Fabius River	LSX	40.0061	92.0269
SFZM7	05504800		Santa Fe 4SW	South Fork Salt River	LSX	39.3261	91.8339
FKZM7	05508805		Frankford	Spencer Creek	LSX	39.5203	91.3422
CNZM7	05496000		Canton	Wyaconda River	LSX	40.1422	91.5653

*** TNDDATA - Red R tribs in North Dakota ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
SWLQ3			Pembina River near Outlet of Swan Lake		FGF	49.3581	98.8400
DBCN8	05057200		Dazey 5NE	Baldhill Creek	FGF	47.2292	98.1244
FBCN8	05064900	#	Finley 8NE	Beaver Creek	FGF	47.5944	97.7050
CCCQ3			Clearwater 4SE	Cypress Creek	FGF	49.0886	98.9828
FDVN8	05084000		Fordville 3SE	Forest River	FGF	48.1972	97.7303
PRTN8	05065500		Portland 5NW	Goose River	FGF	47.5389	97.4556
LPRN8	05099400		Walhalla 6S	Little South Pembina River	FGF	48.8653	98.0056
PRSN8	05060570	#	Prosper 2SE	Lower Branch Rush River	FGF	46.9417	96.9883
BOBN8	05059600		Hope 3W	Maple River	FGF	47.3247	97.7892
MAPN8	05060100		Mapleton 1N	Maple River	FGF	46.9056	97.0528
MRDN8	05059715		Sheldon 6NNE - Maple River Dam	Maple River	FGF	46.6847	97.4581
MBCQ3			Mowbray 2E	Mowbray Creek	FGF	49.0006	98.4553
GRNN8	05090000		Grafton	Park River	FGF	48.4247	97.4117
GFBN8	05089995		Grafton Bypass	Park River	FGF	48.4350	97.4153
PCCQ3			Glenora 6ESE-below Crystal Creek	Pembina River	FGF	49.2217	99.0358
PLRQ3			La Riviere	Pembina River	FGF	49.3158	98.6794
WNDQ3	05099300	#	Windygates 3NE	Pembina River	FGF	49.0314	98.2778
AMEN8	05060500		Amenia 1N	Rush River	FGF	47.0167	97.2139
PRPN8	05060550	#	Prosper 1W	Rush River	FGF	46.9664	97.0514
BRMN8	05055400		Bremen 7NE	Sheyenne River	FGF	47.8214	99.2761
CPRN8	05057000		Cooperstown 4E	Sheyenne River	FGF	47.4336	98.0286
CPPN8	05056995		Cooperstown 5E	Sheyenne River	FGF	47.4392	98.0192
FLRN8	05055300		Flora 4SSE	Sheyenne River	FGF	47.9078	99.4158
FRSN8	05058650		Fort Ransom	Sheyenne River	FGF	46.5455	97.9299
HVYN8	05054500		Harvey 5S	Sheyenne River	BIS	47.7028	99.9486
HRCN8	05059300		Horace 1SW (abv Diversion)	Sheyenne River	FGF	46.7464	96.9603
HORN8	05059310		Horace - Sheyenne River Diversion	Sheyenne River	FGF	46.7517	96.9258
GOLN8	05058980		Kindred 2SW - Gol Bridge	Sheyenne River	FGF	46.6033	97.0322
BHTN8	05058000		Valley City 8NW-Baldhill Dam (TW)	Sheyenne River	FGF	47.0322	98.0856
BLDN8	05057500		Valley City 9NW-Baldhill Dam	Sheyenne River	FGF	47.0358	98.0828
WRWN8	05056000		Warwick 3S	Sheyenne River	FGF	47.8056	98.7158
WSFN8	05059500		West Fargo 1N	Sheyenne River	FGF	46.8911	96.9067
MADN8	05055260	#	Maddock 5S	Sheyenne River	FGF	47.8906	99.5328
SFCQ3			Snowflake 2S	Snowflake Creek	FGF	49.0206	98.6036
PKRN8	05089000	#	Park River 2W	South Branch Park River	FGF	48.4019	97.7819
HOMN8	05088500		Park River 2W-Homme Dam (HP)	South Branch Park River	FGF	48.4056	97.7861
AKRN8	05101000		Akra 1W	Tongue River	FGF	48.7783	97.7453

*** UPMDATA - Upper Michigan Peninsula rivers ***

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

*** WISDATA - Wisconsin R Basin ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
LAVW3	05404129		La Valle - St Hwy 58	Baraboo River	MKX	43.5822	90.1336
BIGW3			Rockland 2N	Big Creek	MPX	43.9389	90.9123
RIBW3	05396000		Rib Falls	Big Rib River	GRB	44.9725	89.9056
HAAW3			Hatfield 4NE - Hwy 95 Brdg	Black River	ARX	44.4653	90.6767
HATW3	05381180	#	Hatfield Hydro Plant	Black River	ARX	44.3892	90.7603
HEFW3			Hatfield 4E - East Fork Rd	East Fork Black River	ARX	44.4178	90.6397
KELW3	05397500		Kelly	Eau Claire River	GRB	44.9183	89.5500
EPLW3	05399600	#	Big Eau Pleine Reservoir	Eau Pleine River	GRB	44.7306	89.7592
LCRW3	05383075		La Crosse 4NE	La Crosse River	ARX	43.8565	91.2062
SPAW3	05382325		Sparta	La Crosse River	ARX	43.9375	90.8106
WSAW3	05383000	#	West Salem	La Crosse River	ARX	43.9008	91.1183
NLSW3	05403500		New Lisbon	Lemonweir River	ARX	43.8797	90.1611
MRLW3	05394500		Merrill 5NE	Prairie River	GRB	45.2358	89.6497
RRVW3			Rice Reservoir-Tomahawk	Rice River Flowage	GRB	45.5397	89.7478
TRIW3	05393500		Tripoli 5SSE	Spirit River	GRB	45.4494	89.9797
SPDW3			Tomahawk 2S	Spirit Rsvr	GRB	45.4361	89.7347
KOOW3	05401050		Nekoosa 6SE	Tenmile Creek	GRB	44.2625	89.8103
WILW3			Hazelhurst 10SW - Willow Rsvr	Tomahawk River	GRB	45.7128	89.8450
JERW3			Tomahawk - Jersey Dam	Tomahawk River	GRB	45.4919	89.7508
OTTW3			Eagle River 4WSW-Otter Rapdis Dam	Wisconsin River	GRB	45.9036	89.3197
LTKW3	05391000		Lake Tomahawk 3NE - Rainbow Rsvr	Wisconsin River	GRB	45.8306	89.5522
ALXW3			Merrill 3W - Alexander Dam	Wisconsin River	GRB	45.1881	89.7550
MOSW3	05398100		Mosinee	Wisconsin River	GRB	44.7988	89.7075
DUBW3			Mosinee 8S - Lk Du Bay	Wisconsin River	GRB	44.6647	89.6514
PETW3	05401400	#	Necedah 3NE-Petenwell Dam	Wisconsin River	ARX	44.0575	90.0219
PDSW3	05406000	#	Prairie Du Sac 2N	Wisconsin River	MKX	43.3106	89.7283
HRDW3			Rhinelander - Hat Rapids Dam	Wisconsin River	GRB	45.5700	89.4800
RHIW3			Rhinelander WWTP	Wisconsin River	GRB	45.6417	89.4217
STPW3			Stevens Point WWTP	Wisconsin River	GRB	44.5103	89.5856
GRFW3			Tomahawk 11SSW-Grandfather Dam	Wisconsin River	GRB	45.3131	89.7839
KNGW3			Tomahawk 2NE - Kings Dam	Wisconsin River	GRB	45.4825	89.6806
TKDW3			Tomahawk 2S-WVIC Dam	Wisconsin River	GRB	45.4422	89.7297
WUUW3			Wausau - WPS Dam	Wisconsin River	GRB	44.8925	89.6261
WTGW3			Whiting - Dam	Wisconsin River	GRB	44.4878	89.5761
BIRW3			Wisconsin Rapids-Biron Dam	Wisconsin River	GRB	44.4336	89.7819
WDSW3			Wisconsin Rapids Dam	Wisconsin River	GRB	44.3947	89.8233

*** WLSDATA - Western Lake Superior basins ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
POTW3	04026900		Gurney 1S		DLH	46.4622	90.5083
BADW3	04026450	#	Mellen 4SSW	Bad River	DLH	46.2706	90.7072
BAPM5	04014500	#	Illgen City	Baptism River	DLH	47.3378	91.2000
FLRM5			Fredenberg 2SW-Fish Lake Rsvr	Beaver River	DLH	46.9564	92.2789
WRLM5			Fredenberg 5SSE-Wild Rice Lake Dam	Beaver River	DLH	46.9094	92.1625
BRSW3	04025500		Brule Ranger Station	Bois Brule River	DLH	46.5378	91.5953
CQBM5			Brimson 2SE	Cloquet River	DLH	47.2603	91.8453
CQRM5			Burnett	Cloquet River	DLH	46.8958	92.5150

ALDM5		Fredenberg 10NE-Alden Lake	Cloquet River	DLH	47.0581	92.0275
ILRM5		Fredenberg 1NNW-Island Lake	Cloquet River	DLH	46.9919	92.2258
FLDM5		Floodwood 3NE	Floodwood River	DLH	46.9275	92.9150
NEMM5		Wrenshall 7S	Nemadji River	DLH	46.5175	92.3897
MOQW3	040263491 #	Moquah 2SE	North Fish Creek	DLH	46.5489	91.0619
YELW3	05363600	Perkinstown	North Fork Yellow River	ARX	45.2986	90.5965
BLRM5	04022750 #	Fredenberg 3NW-Boulder Lake Rsvr	Otter River	DLH	47.0528	92.2000
PARM5	04015447 #	Babbitt 6S	Partridge River	DLH	47.6194	91.9256
HYLM5		Hoyt Lakes 2NW - Colby Lk	Partridge River	DLH	47.5417	92.1678
GDPM5	04010500	Grand Portage & 5NE - Middle Falls	Pigeon River	DLH	48.0122	89.6161
POPM5		Lutsen 2WSW	Poplar River	DLH	47.6403	90.7108
SCCM5		Aurora 3NE	Second Creek	DLH	47.5236	92.1933
SUSW3	04026157 #	Cornucopia 3S	SISKIWIT	DLH	46.8048	91.0930
STUM5		Two Harbors 3NNW	Stewart River	DLH	47.0710	91.6887
FDWM5		Floodwood	St Louis River	DLH	46.9289	92.9044
FOBM5		Forbes 4ESE	St Louis River	DLH	47.3672	92.5044
SCAM5		Scanlon - Dam	St Louis River	DLH	46.7086	92.4169
BKNM5	04021520	Brookston 7SW (Pine Dr)	Stony Brook	DLH	46.7817	92.6367
MRKM5		Markham 2SE - Whiteface Rsvr	Whiteface River	DLH	47.2817	92.1886
WHRW3	04027500	Ashland 6S	White River	DLH	46.4972	90.9042
WTLW3	040263205	Ashland 4WNW	Whittlesey Creek	DLH	46.5944	90.9631
WYMM5		Wymann Creek nr Hoyt Lakes 6NE	Wymann Creek	DLH	47.5910	92.0740

NCRFC data simulation points by Forecast Group Generated Sunday December 29 2024

Disconintued 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.

*** CALSIM - Little Calumet R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
LNSI2	05536270 #	Lansing	North Creek	LOT	41.5458	87.5583
MCCI3	04094500 #	McCool 1N	Salt Creek	LOT	41.5967	87.1444
CHHI2	05536210 #	Chicago Heights	Thorn Creek	LOT	41.5139	87.6353

*** CHPSIM - Chippewa R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
THOW3	05365707 #	Thorp 3NW	North Fork Eau Claire River	ARX	44.9736	90.8492
SNDW3		Sand Creek	Red Cedar River	MPX	45.1675	91.6872
BARW3		Barron	Yellow River	MPX	45.3953	91.8300

*** CIWSIM - Cedar/Iowa R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
TCRI4		Tipton 7S /Rochester/	Cedar River	DVN	41.6694	91.1556
KLMI4	05449000 #	Klemme 1W	East Branch Iowa River	DMX	43.0086	93.6283
ABNI4		Albion 4WNW	Iowa River	DMX	42.1406	93.0539
FPCI4		Fairfax	Prairie Creek	DVN	41.9228	91.7839
RKFI4	05460400 #	Rockford	Shell Rock River	ARX	43.0053	92.9256

*** DESSIM - Des Moines R Basin ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
TLKM5	05474860 #	Dundee 3NE - Talcot Lk	Des Moines River	FSD	43.8847	95.4311
BRTI4	05478000 #	Burt 2ENE	East Fork Des Moines River	DMX	43.2111	94.1778
HRLM5	05474990 #	Heron Lake 1ENE - 400th Ave	Heron Lake Outlet	FSD	43.8006	95.2758
NEWI4	05482135 #	Newell 2W	North Raccoon River	FSD	42.6044	95.0450

*** DEVSIM - Devils Lake Basin, ND ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
CHNN8		Churchs Ferry 9NE	Chain Lake Inflow	FGF	48.3542	99.0664
PENN8	05056410 #	Penn	Devils Lake - Channel A	FGF	48.1667	98.9797
DLEN8	05056636 #	Lakota 9SW	Devils Lake Outlet-Stump Lake	FGF	47.9581	98.4833
DEVN8		Devils Lake 8NW	Dry Lake	FGF	48.2025	98.9578
IRVN8	05056255 #	Churchs Ferry	Lake Alice - Irving Channel	FGF	48.3236	99.1453
CHRN8	05056260 #	Churchs Ferry 1NE	Lake Irving	FGF	48.2825	99.1736
DMSN8	05056220 #	Devils Lake 8N	Morrison-Sweetwater Lake	FGF	48.2108	98.8708

*** EWSSIM - Ern Wisconsin Basins to Lk MI ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
GREW3	040851378 #	Green Bay	East River	GRB	44.5172	88.0067
MISW3	04085281 #	Mishicot	East Twin River	GRB	44.2378	87.6364
MBLW3		Montello - Buffalo Lk	Fox River	MKX	43.7856	89.3286
WITW3	0407809265#	Wittenberg 3E	Middle Branch Embarrass River	GRB	44.8253	89.1181
MMRW3		Montello	Montello River	MKX	43.7931	89.3286
PENW3	04071858 #	Pensaukee	Pensaukee River	GRB	44.8167	87.9500
RSSW3		Racine - Spring St	Root River	MKX	42.7333	87.7667
HAYW3	04085395 #	Hayton	South Branch Manitowoc River	GRB	44.0247	88.1181
MLKW3	04074548 #	Mole Lake 1SW	Swamp Creek	GRB	45.4794	88.9978
OMOW3	04073970 #	Omro 2SW	Waukau Creek	GRB	44.0189	88.7856

*** GNDSIM - Grand, Muskegon/White Basins, MI ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
ZZEM4		Sears (Snow Survey)		GRR	43.8406	85.1489
ZZSM4		Stanwood (Snow Survey)		GRR	43.5922	85.2647
HVNM4		Grand Haven	Grand River	GRR	43.0603	86.2403
GRVM4		Grandville	Grand River below Buck Creek	GRR	42.9103	85.7794
LAMM4		Eastmanville 1ESE	Grand River below Deer Creek	GRR	43.0108	85.9369
WYOM4		Wyoming 2N	Grand River below Plaster Creek	GRR	42.9467	85.7114
JENM4		Jenison 2N	Grand River below Rush Creek	GRR	42.9372	85.7997
TALM4		Tallmadge 3SSW	Grand River below Sand Creek	GRR	42.9444	85.8550
MMRM4		Muir	Maple River	GRR	42.9947	84.9425
MUMM4	04122150 #	Muskegon	Muskegon River	GRR	43.2311	86.3297
HADM4	04121680 #	Oxbow - Hardy Dam	Muskegon River	GRR	43.4858	85.6306
SPGM4		Spring Lake - Spring Lk outlet	Norris Creek	GRR	43.0761	86.2142
MSCM4		Muir 2E	Stony Creek	GRR	42.9994	84.9081

*** ILOSIM - Mainstem Illinois R ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
CHII2		Chicago 3E	Chicago River	LOT	41.8833	87.6333
ROMI2	05536995	Romeoville	Chicago Sanitary & Ship Canal	LOT	41.6406	88.0606
BTHI2		Astoria 9ESE (Bath)	Illinois River	ILX	40.1911	90.1969
CHGI2	05585830 #	Chambersburg	McKee Creek	LSX	39.8178	90.6544

*** KDFSIM - Illinois R tribs abv LaSalle, IL ***

NWSLI	USGS ID	Station Name	River Name	HSA	LAT (N)	LON (W)
BRGW3	05545334 #	Burlington	Fox River	MKX	42.6800	88.2714
WMTW3	05546500 #	Wilmot	Fox River	MKX	42.5111	88.1792
HEBI3		Hebron 4S - US 231	Kankakee River	LOT	41.2599	87.1991
LWLI2	05555500 #	Lowell	Vermilion River	LOT	41.2553	89.0122

*** KSJSIM - Kalamazoo/St Joseph Bsns-MI & IN ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
HDKM4	04096600	#	Hodunk 3NW	Coldwater River	IWX	42.0292	85.1064
WPGM4	04098500	#	White Pigeon 3ESE	Fawn River	IWX	41.7822	85.5833
SAWM4			Harbert 3E	Galien River	IWX	41.8736	86.5750
ALLM4	04107850		Allegan 4SE	Kalamazoo River	GRR	42.4822	85.7983
FNVM4	04108500	#	Fennville 3W	Kalamazoo River	GRR	42.5933	85.9842
PLAM4	04106906	#	Plainwell	Kalamazoo River	GRR	42.4486	85.6494
ATNM4	04096900	#	Athens 4SW	Nottawa Creek	IWX	42.0556	85.3083
PTGM4	04106300	#	Kalamazoo 3S	Portage Creek	GRR	42.2461	85.5758

*** LOWSIM - Lake of the Woods Basin ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
IRIM5	05124500	#	Isabella 13NW	Isabella River	DLH	47.8000	91.5208
SBBM5	05125550	#	Babbitt 7ESE	Stony River	DLH	47.6933	91.7606
CHIM5	05130500	#	Chisholm 12N	Sturgeon River	DLH	47.6736	92.9000
WRWM5	05139500	#	Warroad	Warroad River	FGF	48.8667	95.3556

*** M10SIM - Miss. R - Lake City, MN-L&D 10 ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
RUDM5	05384500		Rushford	Rush Creek	ARX	43.8322	91.7764
RICI4			Riceville 13NE (Chester)	Upper Iowa River	ARX	43.4919	92.3617
THLM5	05374500	#	Theilman 1SSW	Zumbro River	ARX	44.2883	92.1858

*** M19SIM - Miss. R - L&D 11-Gregory Landing ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
GLAI2	05416000	#	Galena	Galena River	DVN	42.4200	90.4300
SABI4	05420150	#	Sabula	Mississippi River	DVN	42.0642	90.1683

*** MENSIM - Menominee R - NE WI & U.P. of MI ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
CCRM4	04059754	#	Cedar River 2N	Cedar River	MQT	45.4383	87.3600
SCUW3			Marinette	Menominee River	GRB	45.1039	87.6547
MICM4	04062230	#	Michigamme 5SE	Michigamme River	MQT	46.4667	88.0744
REPM4	04062300	#	Republic	Michigamme River	MQT	46.3842	87.9800
STUM4	04065548	#	Loretto 2NE	Sturgeon River	MQT	45.7897	87.7836
WUKW3			Wausaukee	Wausaukee River	GRB	45.3794	87.9542

*** MINSIM - Minnesota R abv Shakopee, MN ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
AMBM5			Amboy WWTP	Blue Earth River	MPX	43.8947	94.1992
BGSM5	05291500	#	Ortonville - Big Stone Lk	Minnesota River	ABR	45.3050	96.4492
SKPM5			Shakopee	Minnesota River	MPX	44.8003	93.5267
NFYM5	05292704	#	Rosen 3NNW	North Fork Yellow Bank River	MPX	45.1892	96.4150

*** MISSIM - Miss. R - L&D 20 to Chester, IL ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
1845			Big Spring	Loutre River	LSX	38.8028	91.4858
1847			St Charles 1E	Missouri River	LSX	38.7856	90.4719
1846			Washington	Missouri River	LSX	38.5611	91.0094

*** NLMSIM - Northern Lower Michigan rivers ***

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

*** RCKSIM - Rock R Basin ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
GDGI2	05447100	#	Deer Grove 1S	Green River	DVN	41.5939	89.6894
MRRI2	05446000	#	Morrison	Rock Creek	DVN	41.7972	89.9722
HUSW3	05424082	#	Hustisford	Rock River	MKX	43.3456	88.5978
NVIW3			Newville - Lk Koshkonong	Rock River	MKX	42.8575	88.9408
BOIW3			Beloit 1SE - Hwy 51	Turtle Creek	MKX	42.4981	89.0208
STTW3			Stoughton 4NW - Lk Kegonsa	Yahara River	MKX	42.9542	89.2797

*** RDWSIM - Mississippi R abv Red Wing, MN ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
MOTM5	05244500	#	Motley	Crow Wing River	DLH	46.3500	94.6500
ESRM5	05274000	#	Sauk Rapids 6E	Elk River	MPX	45.5869	94.0400
MTLM5	05245500	#	Motley	Long Prairie River	MPX	46.3167	94.6500
LIBM5	05220500	#	Libby	Mississippi River	DLH	46.7897	93.3286
HSNM5	05278565	#	Hutchinson 1N - Otter Lk	South Fork Crow River	MPX	44.8956	94.3689
WTTM5			Watertown	South Fork Crow River	MPX	44.9636	93.8461
SFBM5	05274900	#	Big Lake 4N	St Francis River	MPX	45.3853	93.7339
SGOM5	05274700	#	Foley 10SE (Santiago)	St Francis River	MPX	45.5422	93.8103
WRBM5	05217000	#	Warba 2S	Swan River	DLH	47.1089	93.2619

*** REDSIM - Red R of the North mainstem ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
DRSM5			Breckenridge 1S - CR157	Doran Slough	FGF	46.2442	96.5922
NBEN8			Kelso	North Branch Elm River	FGF	47.3233	97.0297
FOXM5	05046250	#	Foxhome 4S	Otter Tail River	FGF	46.2136	96.3069
PFFM5	05040500	#	Elizabeth 3S	Pelican River	FGF	46.3361	96.1194
KNTM5			Kent	Whisky Creek	FGF	46.4275	96.6692
COMM5			Comstock 2NNW	Wolverton Creek	FGF	46.6914	96.7586

*** SMSSIM - Southeastern Michigan Streams ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
MCBM4	04160625	#	Marine City 4NNW	Belle River	DTX	42.7683	82.5122
DXTM4	04173000	#	Dexter 4NNW	Huron River	DTX	42.3833	83.9167
FLRM4	04175100	#	Flatrock	Huron River	DTX	42.0939	83.2953

LRWM4	04167625	#	Wayne	Lower River Rouge	DTX	42.2844	83.4275
MCWM4	04164980	#	Waldenburg	Middle Branch Clinton River	DTX	42.6428	82.9333
LALM4	04176605	#	La Salle	Otter Creek	DTX	41.8669	83.4536
PRMM4	04160398	#	Marysville	Pine River	DTX	42.8586	82.5381
APKM4	04168530	#	Allen Park	River Rouge	DTX	42.3008	83.1994
SMRM4	04175399	#	Monroe 5NNE	Stony Creek	DTX	41.9817	83.3717
SROM4	04175228	#	South Rockwood 4WSW	Swan Creek	DTX	42.0381	83.3242
URDM4	04166470	#	Detroit	Upper River Rouge	DTX	42.3942	83.2783

*** SMWSIM - Saginaw Basin in MI ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
MCRM4	04154512		Midland 7WSW	Chippewa River	DTX	43.6011	84.3305
KAWM4			Kawkawlin	Kawkawlin River	DTX	43.6519	83.8972
KDEM4	04159051	#	Kinde 5NW	Pinnebog River	DTX	43.9933	83.0758
NBRM4	04153500		North Bradley 1SE	Salt River	DTX	43.7000	84.4667
BYRM4	04144000	#	Byron	Shiawassee River	DTX	42.8167	83.9500

*** SRSSIM - Souris R Basin ***

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

*** SSLSIM - Illinois R tribs blo LaSalle, IL ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
EFLI2			Colmar 5NNW	East Fork La Moine River	DVN	40.4058	90.9275
LKCI2	05580500	#	Lincoln 3N	Kickapoo Creek	ILX	40.1917	89.3611
KCDI2	05575500	#	Kincaid 3W	South Fork Sangamon River	ILX	39.5789	89.3919
HSCI2	05581500	#	Hartsburg 4NW	Sugar Creek	ILX	40.2222	89.4033

*** TIASIM - Misc Iowa Tribs to Miss. R ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
PRAI4	05421682	#	Prairieburg	Buffalo Creek	DVN	42.1958	91.4231
DYRI4	05418110	#	Dyersville	North Fork Maquoketa River	DVN	42.4706	91.1222
NSHI4			New Sharon 5NNW	North Skunk River	DMX	41.5281	92.6947

*** TMNSIM - Red R tribs in Minnesota ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
PBDM5			Mattson 1SW	Pembina Ditch	FGF	48.6742	97.0944
BLTM5	05068500	#	Beltrami	Sand Hill River	FGF	47.5356	96.5314
SRAM5	05085420	#	Radium 5NE	Snake River	FGF	48.2681	96.5111
WARM5	05085500	#	Warren	Snake River	FGF	48.1953	96.7794
BKRM5	05061490	#	Baker 4NW	Stony Creek	FGF	46.7467	96.6072

*** TMOSIM - NE Missouri Tribs to Miss. R ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
KFRI4			Keosauqua 8SSE	Fox River	DVN	40.6158	91.9383
BMFM7			Baring 6N	Middle Fabius River	DVN	40.3325	92.2150
NFMM7			MEMPHIS 1W	North Fabius River	DVN	40.4567	92.1906
NSFM7			Newark	South Fabius River	LSX	39.9853	91.9739
KWRM7			Kahoka 6SW	Wyaconda River	DVN	40.3661	91.7972

*** TNDSIM - Red R tribs in North Dakota ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
HNTN8	05062200	#	Hunter 8NE	Elm River	FGF	47.2917	97.1139
WSWN8			Warsaw 3ENE	Forest River	FGF	48.3089	97.1883
FRDN8			Fordville	Middle Branch Forest River	FGF	48.2119	97.8603
PMAN8			Pembina 3SW	Pembina River	FGF	48.9433	97.2939
SBGN8	05065870	#	Portland 2W - Hwy 200	South Branch Goose River	FGF	47.5011	97.4050
MNVN8	05083000	#	Manvel	Turtle River	FGF	48.0775	97.1825
WIWN8			St Thomas 6SE	Willow Creek	FGF	48.5642	97.3428

*** UPMSIM - Upper Michigan Peninsula rivers ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
AULM4			Au Train	Au Train River	MQT	46.4311	86.8350
AUTM4			Au Train 1S	Au Train River	MQT	46.4125	86.8417
CHOM4			Skandia 2NNW	Chocolay River	MQT	46.4056	87.2472
MSSM4	04035000	#	Rockland 6SE	East Branch Ontonagon River	MQT	46.6878	89.0731
ILKM4	04057000	#	Manistique 3NW - Indian Lk Outlet	Indian River	MQT	45.9917	86.2875
GFKM4	04047500	#	Germfask 1S	Manistique River	MQT	46.4300	85.9300
BLAM4	04055000	#	Manistique 12NE	Manistique River	MQT	46.0861	86.0594
MCCM4	04043800	#	Marquette 4NW	McClure Storage Bsn Release	MQT	46.5719	87.4764
RCLM4	04035500	#	Rockland 3SE	Middle Branch Ontonagon River	MQT	46.6992	89.1600
MRNM4	04031500	#	Marenisco	Presque Isle River	MQT	46.3700	89.6997
WFRM4	04057610	#	Rapid River 1E	Whitefish River	MQT	45.9256	86.9458

*** WISSIM - Wisconsin R Basin ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
OWNW3			Owen 4W	Black River	ARX	44.9514	90.6403
RICW3	05406820	#	Richland Center	Pine River	ARX	43.3347	90.3867
LIBW3			Liberty	West Fork Kickapoo River	ARX	43.5172	90.7426

*** WLSSIM - Western Lake Superior basins ***

NWSLI	USGS ID		Station Name	River Name	HSA	LAT (N)	LON (W)
MRSW3			Saxon 3NE /Saxon Falls/	Montreal River	DLH	46.5369	90.3797
AURM5	04016500	#	Aurora 3S	St Louis River	DLH	47.4917	92.2389
SLSW3			Superior - Connors Point	St Louis River	DLH	46.7467	92.1033
MASW3			Mason	White River	DLH	46.4294	91.0503