

Appendix H. Water Availability Results

Note: In the following tables, observed conditions are represented from 2007-2024 (“historical”).

The “future” simulation was from 2025-2075. The years represent 5-year averages centered on the year displayed.

H1: SWB2 Method

Table H1-1.	5-Year Annual Local Water Availability (Qea)
Table H1-2.	5-Year Winter Local Water Availability (Qea)
Table H1-3.	5-Year Spring Local Water Availability (Qea)
Table H1-4.	5-Year Summer Local Water Availability (Qea)
Table H1-5.	5-Year Fall Local Water Availability (Qea)
Table H1-6.	5-Year Annual Cumulative Water Availability (Qcea)
Table H1-7.	5-Year Winter Cumulative Water Availability (Qcea)
Table H1-8.	5-Year Spring Cumulative Water Availability (Qcea)
Table H1-9.	5-Year Summer Cumulative Water Availability (Qcea)
Table H1-10.	5-Year Fall Cumulative Water Availability (Qcea)

Figure H1-1.	Maps of Historical and Future Annual Local Water Availability (Qea)
Figure H1-2.	Maps of Historical and Future Annual Cumulative Water Availability (Qcea)
Figure H1-3.	Maps of Historical and Future Seasonal Local Water Availability (Qea)
Figure H1-4.	Maps of Historical and Future Seasonal Cumulative Water Availability (Qcea)
Figure H1-5.	Box and Whisker Plots of Historical (2020) and Wet Future (2050) Local Water Availability (Qea)
Figure H1-6.	Box and Whisker Plots of Historical (2020) and Dry Future (2070) Local Water Availability (Qea)
Figure H1-7.	Box and Whisker Plots of Historical (2020) and Wet Future (2050) Cumulative Water Availability (Qcea)
Figure H1-8.	Box and Whisker Plots of Historical (2020) and Dry Future (2070) Cumulative Water Availability (Qcea)

H2: PART/BFI Method

Table H2-1.	5-Year Annual Local Water Availability (Qea)
Table H2-2.	5-Year Winter Local Water Availability (Qea)
Table H2-3.	5-Year Spring Local Water Availability (Qea)
Table H2-4.	5-Year Summer Local Water Availability (Qea)
Table H2-5.	5-Year Fall Local Water Availability (Qea)
Table H2-6.	5-Year Annual Cumulative Water Availability (Qcea)
Table H2-7.	5-Year Winter Cumulative Water Availability (Qcea)
Table H2-8.	5-Year Spring Cumulative Water Availability (Qcea)
Table H2-9.	5-Year Summer Cumulative Water Availability (Qcea)
Table H2-10.	5-Year Fall Cumulative Water Availability (Qcea)

Figure H2-1.	Maps of Historical and Future Annual Local Water Availability (Qea)
Figure H2-2.	Maps of Historical and Future Annual Cumulative Water Availability (Qcea)
Figure H2-3.	Maps of Historical and Future Seasonal Local Water Availability (Qea)
Figure H2-4.	Maps of Historical and Future Seasonal Cumulative Water Availability (Qcea)
Figure H2-5.	Box and Whisker Plots of Historical (2020) and Wet Future (2050) Local Water Availability (Qea)
Figure H2-6.	Box and Whisker Plots of Historical (2020) and Dry Future (2070) Local Water Availability (Qea)
Figure H2-7.	Box and Whisker Plots of Historical (2020) and Wet Future (2050) Cumulative Water Availability (Qcea)
Figure H2-8.	Box and Whisker Plots of Historical (2020) and Dry Future (2070) Cumulative Water Availability (Qcea)

Appendix to:

Southwest Indiana Regional Water Study

Letsinger, S.L., Gustin, A.R., Waddle, R.C., Petty, A.E., and Durai, R.S., 2026. Regional water study: Water Demand and Availability in Southwest Indiana. Report to Indiana Finance Authority. 145 p.

<https://www.in.gov/ifa/regional-water-studies/southwest-indiana-regional-water-study>

Table H1-1: SWB2 Method 5-year historical and future water availability by subbasin for Annual Qea (Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	199.4	87.3	220.7	-48.5	49.7	33.6	-43.7	-11.5	94.2	22.0	58.0	65.4	-87.7
03342000	12	231.3	115.2	262.7	-77.8	66.4	24.9	-50.5	-37.7	133.0	-10.0	33.9	69.9	-121.1
03342500	13	87.5	65.0	111.8	26.5	51.7	46.9	32.1	30.4	78.9	41.2	57.5	67.1	26.3
03343010	14	36.7	-16.5	129.4	-123.2	-6.7	-37.2	-79.9	-84.0	52.0	-40.3	-6.8	9.8	-104.4
03345500	15	547.9	348.5	571.3	160.4	258.5	308.0	142.4	238.5	394.0	219.2	365.7	346.0	99.0
03346500	16	284.4	220.2	386.5	67.8	180.1	189.2	126.1	99.9	283.2	153.1	214.4	237.9	82.6
03359000	7	160.1	141.8	178.1	64.8	78.8	85.4	74.1	64.2	124.6	72.5	104.1	128.8	50.4
03360000	8	297.0	237.4	285.4	105.8	142.4	147.7	100.3	120.2	220.7	119.6	186.1	199.1	80.8
03360500	9	630.6	533.6	739.2	163.4	285.2	267.4	254.6	216.1	508.4	214.8	391.6	456.0	156.1
03371500	4	691.9	491.8	791.3	158.9	415.7	305.5	287.6	233.5	457.0	200.2	385.5	496.3	186.0
03372500	5	-21.5	-28.1	-1.4	-50.2	-30.0	-29.6	-26.9	-44.9	-13.6	-41.2	-27.4	-17.6	-36.2
03373500	6	124.6	83.2	194.4	50.8	89.0	82.9	73.0	47.6	128.1	55.8	87.3	111.0	44.8
03374000	10	347.3	211.3	423.3	-25.1	133.1	140.7	87.7	30.6	303.6	83.8	178.6	193.2	-6.0
03374100	11	102.3	63.2	127.4	-35.7	45.1	-1.2	-12.9	-9.0	60.5	-0.6	22.4	47.2	-36.8
03375500	1	-31.2	-34.6	-28.6	-54.0	-56.6	-57.1	-58.3	-61.6	-53.0	-59.7	-56.1	-54.9	-61.3
03376300	2	45.8	36.4	55.0	13.9	32.9	28.3	26.5	15.8	42.3	20.0	29.1	32.8	15.2
03376500	3	78.6	60.4	87.4	19.8	46.8	40.5	36.0	25.9	63.9	32.5	44.3	47.6	23.3
03377500	17	551.9	441.8	628.6	144.3	327.3	248.2	191.3	214.0	437.7	215.9	346.3	408.2	112.4
03378000	18	64.7	55.2	96.6	17.7	37.9	38.4	30.2	19.0	65.6	29.7	42.2	57.1	18.1
03378500	19	-204.7	-202.9	-146.7	-275.5	-236.0	-237.3	-227.5	-249.6	-155.7	-226.9	-213.5	-194.9	-263.7
L. Wabash	20	158.1	120.5	186.5	18.9	96.8	101.9	82.5	46.0	174.7	86.4	112.4	110.4	12.9

Table H1-2: SWB2 Method 5-year historical and future water availability by subbasin for Winter Qea (Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	92.6	-39.1	95.9	-106.5	-35.4	23.6	-111.5	-92.0	77.2	-42.6	73.1	101.3	-146.9
03342000	12	293.8	116.7	283.8	-85.6	38.2	135.1	-69.6	-25.5	291.1	-1.9	69.2	281.6	-121.0
03342500	13	88.6	70.4	123.0	17.8	45.8	67.1	18.1	19.9	104.4	28.0	53.3	97.9	29.2
03343010	14	46.4	-18.8	138.7	-138.2	-2.3	22.7	-96.9	-93.0	157.8	-0.1	13.2	146.6	-79.9
03345500	15	570.3	292.7	488.9	198.3	159.2	432.2	122.5	225.4	441.4	232.1	426.1	599.7	65.7
03346500	16	341.4	217.0	420.7	65.6	162.8	282.1	94.9	82.5	384.7	180.2	295.3	405.7	67.0
03359000	7	101.2	142.9	9.9	27.6	25.2	71.5	-13.1	-2.6	119.9	10.8	32.7	102.8	-1.4
03360000	8	207.5	240.5	241.8	67.0	122.5	197.8	45.4	112.2	305.9	158.5	182.4	294.2	70.7
03360500	9	720.8	657.5	849.5	129.1	307.7	527.0	223.6	161.0	913.1	272.3	503.0	880.3	221.8
03371500	4	812.8	473.0	856.4	101.7	379.5	530.7	261.1	92.6	725.1	168.7	487.4	799.1	194.5
03372500	5	-101.9	-70.3	-295.0	-159.5	-184.1	-153.2	-176.6	-208.3	-128.4	-196.7	-159.8	-127.2	-187.2
03373500	6	184.6	113.3	250.6	45.6	84.8	168.0	76.9	23.3	267.1	57.6	122.0	238.2	35.3
03374000	10	377.5	209.4	334.7	-111.0	56.4	217.5	-26.5	-95.6	512.3	44.6	147.4	316.8	-48.1
03374100	11	111.4	65.8	147.0	-70.0	10.2	48.3	-22.9	-30.9	191.3	28.6	48.9	185.8	-49.5
03375500	1	15.2	-15.0	-95.7	-48.5	-56.0	-49.4	-57.4	-63.6	-40.8	-60.1	-47.3	-43.2	-61.2
03376300	2	57.4	44.9	57.0	13.8	22.5	41.0	15.6	1.9	61.0	7.2	36.5	56.4	6.0
03376500	3	88.9	77.7	89.7	14.0	35.6	55.7	25.6	6.3	94.9	14.0	48.6	67.1	12.8
03377500	17	858.5	623.4	821.8	176.3	336.5	560.5	277.8	259.5	1112.8	418.7	684.8	1027.1	216.4
03378000	18	83.9	56.8	100.0	17.6	26.8	55.4	19.8	8.8	87.4	17.6	56.8	86.7	12.2
03378500	19	-301.4	-307.4	-308.7	-412.5	-389.6	-320.0	-363.9	-411.1	-202.1	-376.1	-326.3	-278.8	-406.0
L. Wabash	20	173.6	97.8	128.0	-26.2	43.1	139.3	68.6	-20.7	247.2	40.5	105.2	129.8	-18.5

Table H1-3: SWB2 Method 5-year historical and future water availability by subbasin for Spring Qea (Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	432.0	278.8	674.7	33.2	178.9	97.6	41.3	42.8	371.8	211.8	80.0	299.5	-29.9
03342000	12	533.3	435.8	783.2	76.2	312.7	190.8	137.0	121.7	505.7	226.6	163.6	315.1	-49.1
03342500	13	175.1	142.3	272.8	73.5	131.7	95.4	90.0	69.4	175.6	109.5	110.7	156.3	64.7
03343010	14	178.8	118.6	520.1	-16.9	158.8	71.2	80.6	-2.3	278.6	134.2	120.3	213.6	5.5
03345500	15	1000.8	587.4	1355.6	328.6	509.3	542.5	332.7	476.9	991.9	514.7	567.0	688.7	236.7
03346500	16	515.4	439.1	910.0	162.7	406.6	353.0	336.3	238.1	640.0	358.6	361.2	489.7	212.5
03359000	7	234.0	255.2	565.1	131.8	158.1	163.3	192.5	126.5	256.8	172.3	181.1	312.0	127.1
03360000	8	492.4	417.0	688.4	184.5	232.5	269.1	275.0	194.2	408.7	256.9	311.2	446.8	225.9
03360500	9	1161.4	983.8	1791.5	431.7	616.0	523.8	729.9	521.2	970.6	564.2	712.8	962.7	405.0
03371500	4	1345.5	1102.0	1935.1	454.6	938.9	590.6	762.6	648.6	954.4	541.4	724.4	1157.8	507.1
03372500	5	-149.9	-13.8	228.4	-128.0	2.0	-24.9	4.9	-33.9	12.6	-27.6	-21.8	2.5	-14.5
03373500	6	218.9	144.3	352.2	103.1	189.4	133.2	194.7	124.8	188.0	139.1	163.4	178.8	119.3
03374000	10	767.7	569.1	1448.0	223.1	529.8	429.9	539.1	268.9	740.4	445.0	491.3	699.0	214.8
03374100	11	141.4	90.2	253.0	-20.6	76.1	-4.1	62.1	11.4	62.3	63.3	64.7	86.4	-12.2
03375500	1	-107.4	-168.3	-16.3	-178.6	-174.7	-182.2	-178.5	-187.3	-176.7	-182.6	-185.2	-179.1	-187.5
03376300	2	100.3	84.8	148.7	41.7	101.7	66.0	86.9	52.0	98.1	68.1	58.7	76.3	53.1
03376500	3	171.5	136.1	231.9	66.3	137.8	90.6	110.9	80.1	142.2	104.5	93.9	123.6	77.6
03377500	17	913.5	806.3	1366.2	450.2	635.3	522.5	628.2	552.9	657.4	603.0	624.1	737.3	377.6
03378000	18	109.5	105.6	228.5	45.8	95.8	74.7	87.1	51.8	148.6	86.0	74.9	134.9	51.7
03378500	19	-217.4	-214.3	-45.3	-320.8	-241.3	-292.2	-249.3	-305.6	-165.6	-251.0	-286.2	-209.9	-340.8
L. Wabash	20	346.3	286.6	515.7	108.6	292.0	221.5	236.4	160.2	383.3	272.8	226.1	325.2	104.8

Table H1-4: SWB2 Method 5-year historical and future water availability by subbasin for Summer Qea (Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	361.5	187.7	179.9	-29.2	67.2	101.4	-7.8	80.4	16.8	13.8	173.9	-36.6	-64.3
03342000	12	195.4	55.0	71.5	-152.1	-60.4	-73.4	-114.3	-126.9	-125.4	-119.0	52.1	-177.6	-160.8
03342500	13	83.3	45.9	48.2	13.1	21.2	23.3	18.9	29.3	32.3	24.8	63.0	11.8	10.0
03343010	14	84.2	1.5	8.9	-165.6	-96.7	-73.7	-121.7	-88.8	-76.1	-127.4	2.9	-161.6	-159.8
03345500	15	555.4	475.5	324.6	83.7	233.3	218.7	89.2	172.3	96.3	104.0	434.6	62.4	74.6
03346500	16	259.8	207.0	156.4	23.3	81.9	109.6	64.9	54.1	85.0	52.4	176.5	34.5	44.0
03359000	7	286.4	160.4	121.6	81.7	112.6	98.5	109.8	120.8	108.7	99.2	192.7	92.6	70.8
03360000	8	446.1	246.0	155.7	109.0	132.8	106.4	77.0	135.2	107.1	52.8	236.5	40.6	25.0
03360500	9	568.2	403.7	199.2	80.5	104.1	33.0	85.8	165.5	112.8	27.4	358.6	-52.0	3.2
03371500	4	446.2	387.2	349.3	59.2	210.8	118.3	143.2	196.8	150.9	92.1	334.1	4.4	63.8
03372500	5	232.3	20.1	130.2	134.1	118.4	118.2	122.5	120.7	120.2	117.9	130.5	112.8	116.1
03373500	6	52.7	48.7	100.3	27.5	45.0	21.5	11.9	30.4	42.7	11.4	47.6	2.4	15.0
03374000	10	360.1	167.5	41.2	-77.2	10.9	50.5	-24.1	77.4	60.3	-25.0	204.1	-108.3	-54.6
03374100	11	124.4	109.4	96.5	-26.7	59.9	-3.3	-39.4	9.9	7.3	-57.8	10.9	-71.0	-38.6
03375500	1	26.3	-9.7	-16.1	-4.4	-15.8	-15.6	-16.2	-15.0	-14.2	-15.9	-11.6	-17.4	-16.1
03376300	2	24.0	17.3	13.3	1.3	6.8	8.4	5.1	10.8	11.4	5.8	22.1	-0.9	3.9
03376500	3	50.6	31.3	26.9	0.7	12.8	18.2	9.6	19.4	20.0	13.2	35.2	1.1	5.3
03377500	17	294.1	333.5	222.8	-38.2	155.0	6.4	-46.9	64.2	-18.9	-121.6	94.9	-160.8	-85.0
03378000	18	52.0	54.1	42.7	3.6	16.7	22.2	11.7	12.7	22.7	12.2	33.8	3.8	6.6
03378500	19	-129.9	-107.5	-65.6	-189.3	-146.6	-141.3	-136.0	-134.4	-114.8	-135.2	-102.6	-149.9	-155.1
L. Wabash	20	117.3	114.0	113.3	2.0	48.6	67.7	47.0	63.7	79.4	50.1	127.4	2.4	-8.0

Table H1-5: SWB2 Method 5-year historical and future water availability by subbasin for Fall Qea (Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	-93.7	-82.7	-73.4	-93.2	-14.0	-89.7	-98.5	-79.3	-91.2	-97.5	-96.4	-103.7	-110.9
03342000	12	-99.8	-149.7	-91.2	-150.8	-26.2	-152.6	-156.6	-120.8	-139.5	-147.1	-150.5	-137.9	-153.8
03342500	13	2.0	0.9	2.4	1.0	7.5	1.8	0.9	2.6	2.8	1.7	2.3	2.4	1.1
03343010	14	-164.6	-169.0	-153.1	-173.1	-87.5	-169.4	-183.1	-152.9	-152.8	-168.5	-164.8	-158.5	-183.7
03345500	15	60.3	34.0	109.6	30.3	129.0	38.0	23.3	77.2	43.6	24.2	32.8	34.8	17.7
03346500	16	19.1	15.4	55.8	19.1	67.6	12.0	6.3	23.7	21.9	20.3	24.2	22.4	6.0
03359000	7	16.2	7.1	10.7	17.0	17.7	7.0	4.8	10.1	11.7	5.9	7.5	6.0	3.7
03360000	8	37.8	44.1	52.2	61.6	80.6	17.0	1.7	38.1	61.0	9.7	12.4	14.8	0.6
03360500	9	67.4	86.7	111.8	10.1	111.4	-12.3	-24.6	13.3	39.0	-6.2	-10.1	36.6	-6.4
03371500	4	159.2	-0.8	17.2	17.4	130.0	-16.8	-20.4	-9.6	-2.8	-4.4	-5.9	24.5	-23.6
03372500	5	-68.6	-49.6	-76.0	-49.7	-59.4	-61.2	-61.5	-61.7	-61.2	-61.6	-61.4	-61.3	-61.9
03373500	6	42.4	26.5	74.1	26.5	36.1	10.0	8.0	11.0	15.6	14.7	16.2	26.2	8.9
03374000	10	-120.6	-104.5	-138.7	-138.4	-68.3	-136.5	-142.4	-132.4	-99.2	-132.5	-132.5	-135.8	-138.4
03374100	11	31.5	-13.6	12.1	-25.9	33.6	-45.1	-51.9	-26.8	-17.7	-36.3	-35.0	-10.2	-47.2
03375500	1	-58.3	56.2	12.7	16.4	20.8	20.0	19.9	20.2	20.5	20.7	20.9	21.1	20.7
03376300	2	1.1	-1.8	0.3	-1.4	-0.2	-2.1	-2.1	-2.0	-1.3	-1.7	-1.0	-0.5	-2.6
03376500	3	2.7	-3.6	0.3	-2.1	0.2	-2.8	-2.9	-2.7	-1.8	-2.4	-0.9	-1.5	-3.0
03377500	17	142.5	2.6	101.4	-12.2	181.0	-94.0	-95.2	-22.0	6.8	-35.2	-16.1	37.3	-59.5
03378000	18	13.4	3.9	14.4	3.7	11.7	1.2	1.6	2.1	3.4	2.6	3.2	2.8	1.5
03378500	19	-171.2	-184.1	-170.5	-180.9	-168.4	-196.8	-162.8	-149.3	-140.7	-147.3	-140.2	-142.0	-154.1
L. Wabash	20	-6.4	-18.5	-14.3	-9.9	1.7	-21.7	-23.4	-21.4	-11.6	-19.9	-10.8	-17.0	-27.6

Table H1-6: SWB2 Method 5-year historical and future water availability by subbasin for Annual Qcea (Cumulative Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	3537.8	2808.1	3456.6	686.0	876.3	1798.0	671.9	1328.6	3054.2	909.4	2541.3	2475.1	578.3
03342000	12	3766.1	2915.7	3718.5	605.2	942.5	1821.0	621.0	1287.2	3184.1	897.1	2572.1	2541.3	453.8
03342500	13	87.5	65.0	111.8	26.5	51.7	46.9	32.1	30.4	78.9	41.2	57.5	67.1	26.3
03343010	14	3890.3	2964.2	3959.7	508.4	987.5	1830.8	573.2	1233.6	3314.9	897.9	2622.8	2618.3	375.7
03345500	15	547.9	348.5	571.3	160.4	258.5	308.0	142.4	238.5	394.0	219.2	365.7	346.0	99.0
03346500	16	831.9	568.3	957.8	227.7	438.3	497.1	268.4	337.7	677.2	372.2	579.8	583.9	181.7
03359000	7	160.1	141.8	178.1	64.8	78.8	85.4	74.1	64.2	124.6	72.5	104.1	128.8	50.4
03360000	8	457.1	379.2	463.5	170.6	221.2	233.1	174.5	184.4	345.3	192.1	290.2	328.0	131.2
03360500	9	1898.5	1663.4	2165.4	719.6	906.6	1004.9	836.0	839.9	1605.1	762.9	1288.5	1474.6	642.7
03371500	4	1851.8	1285.6	2074.5	507.6	966.7	818.7	791.4	670.6	1301.7	563.7	1012.4	1361.8	450.3
03372500	5	-21.5	-28.1	-1.4	-50.2	-30.0	-29.6	-26.9	-44.9	-13.6	-41.2	-27.4	-17.6	-36.2
03373500	6	1928.4	1320.4	2244.5	495.8	1012.2	866.4	828.3	659.7	1405.8	567.4	1058.6	1438.2	451.0
03374000	10	4167.5	3194.5	4828.9	1189.4	2048.1	2011.8	1752.0	1529.7	3312.7	1413.7	2524.6	3105.4	1087.5
03374100	11	4259.2	3246.8	4943.6	1145.1	2083.0	2003.3	1733.1	1511.9	3364.3	1403.2	2535.1	3137.1	1042.8
03375500	1	-31.2	-34.6	-28.6	-54.0	-56.6	-57.1	-58.3	-61.6	-53.0	-59.7	-56.1	-54.9	-61.3
03376300	2	14.6	1.8	26.4	-40.1	-23.8	-28.7	-31.8	-45.8	-10.7	-39.7	-26.9	-22.1	-46.1
03376500	3	93.2	62.2	113.8	-20.3	23.0	11.7	4.2	-19.9	53.2	-7.2	17.4	25.5	-22.8
03377500	17	9567.6	7212.7	10557.6	1954.2	3834.1	4544.5	2745.2	3212.1	7800.6	2830.6	6022.9	6704.7	1661.0
03378000	18	64.7	55.2	96.6	17.7	37.9	38.4	30.2	19.0	65.6	29.7	42.2	57.1	18.1
03378500	19	9426.4	7064.1	10507.5	1695.8	3636.0	4345.5	2547.9	2981.2	7710.4	2632.9	5851.7	6566.8	1415.4
L. Wabash	20	9584.5	7184.2	10693.7	1713.9	3732.9	4447.4	2630.4	3027.2	7885.2	2719.3	5964.0	6677.1	1428.3

Table H1-7: SWB2 Method 5-year historical and future water availability by subbasin for Winter Qcea (Cumulative Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	3612.5	1301.3	2274.6	-79.6	313.0	1603.9	108.5	760.6	4270.1	1188.3	3015.9	3585.7	116.9
03342000	12	3906.4	1418.0	2556.8	-165.9	351.2	1738.2	38.9	734.6	4561.2	1186.3	3085.1	3867.3	-5.8
03342500	13	88.6	70.4	123.0	17.8	45.8	67.1	18.1	19.9	104.4	28.0	53.3	97.9	29.2
03343010	14	4041.3	1469.6	2818.5	-286.3	394.8	1828.0	-39.9	661.6	4823.4	1214.3	3151.6	4111.9	-56.6
03345500	15	570.3	292.7	488.9	198.3	159.2	432.2	122.5	225.4	441.4	232.1	426.1	599.7	65.7
03346500	16	911.7	509.8	909.7	263.8	322.0	714.2	217.4	307.9	826.1	412.3	721.4	1005.4	132.7
03359000	7	101.2	142.9	9.9	27.6	25.2	71.5	-13.1	-2.6	119.9	10.8	32.7	102.8	-1.4
03360000	8	308.7	383.5	251.7	94.6	147.7	269.3	32.3	109.6	425.8	169.3	215.1	397.0	69.2
03360500	9	1841.0	1698.7	1903.3	548.2	809.0	1424.4	593.2	522.5	2271.5	793.6	1301.8	2219.0	705.5
03371500	4	1838.5	1172.8	2059.6	238.4	851.5	1344.8	673.5	333.0	2026.3	486.3	1161.7	2204.2	492.0
03372500	5	-101.9	-70.3	-295.0	-159.5	-184.1	-153.2	-176.6	-208.3	-128.4	-196.7	-159.8	-127.2	-187.2
03373500	6	1915.9	1215.6	2012.7	124.4	752.1	1359.5	573.8	148.0	2165.1	347.3	1123.7	2315.3	339.9
03374000	10	4134.4	3123.7	4242.7	561.5	1617.5	3000.8	1140.5	575.0	4948.9	1185.5	2572.9	4851.0	997.4
03374100	11	4244.0	3189.5	4389.7	491.5	1627.7	3049.1	1117.6	543.7	5138.9	1214.1	2620.6	5032.1	947.9
03375500	1	15.2	-15.0	-95.7	-48.5	-56.0	-49.4	-57.4	-63.6	-40.8	-60.1	-47.3	-43.2	-61.2
03376300	2	72.6	29.9	-38.7	-34.8	-33.6	-8.4	-41.9	-61.7	20.2	-52.8	-10.8	13.3	-55.2
03376500	3	161.5	107.6	51.0	-20.7	2.0	47.2	-16.3	-55.4	115.1	-38.8	37.8	80.3	-42.4
03377500	17	10216.5	5900.0	8977.7	622.6	2683.0	6195.2	1556.6	1704.4	12015.4	3219.9	7213.3	11240.2	1194.6
03378000	18	83.9	56.8	100.0	17.6	26.8	55.4	19.8	8.8	87.4	17.6	56.8	86.7	12.2
03378500	19	9999.0	5649.4	8769.0	227.6	2320.2	5930.6	1212.5	1302.0	11900.8	2861.4	6943.8	11048.1	800.7
L. Wabash	20	10172.6	5747.2	8895.9	201.4	2363.3	6069.9	1281.1	1281.3	12147.9	2901.8	7049.1	11178.0	782.2

Table H1-8: SWB2 Method 5-year historical and future water availability by subbasin for Spring Qcea (Cumulative Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	6714.0	4926.1	8651.8	2359.0	1689.0	3811.7	1935.5	2073.3	6004.9	2033.2	3335.3	5806.9	1715.3
03342000	12	7244.6	5361.9	9435.0	2433.5	2001.7	3999.5	2072.5	2189.3	6509.8	2253.0	3493.2	6112.9	1660.0
03342500	13	175.1	142.3	272.8	73.5	131.7	95.4	90.0	69.4	175.6	109.5	110.7	156.3	64.7
03343010	14	7598.4	5622.8	10227.9	2490.1	2292.1	4166.1	2243.1	2256.4	6964.0	2496.7	3724.2	6482.8	1730.2
03345500	15	1000.8	587.4	1355.6	328.6	509.3	542.5	332.7	476.9	991.9	514.7	567.0	688.7	236.7
03346500	16	1515.5	1026.2	2265.6	489.8	915.9	895.5	669.0	715.0	1631.9	872.9	928.1	1178.4	449.2
03359000	7	234.0	255.2	565.1	131.8	158.1	163.3	192.5	126.5	256.8	172.3	181.1	312.0	127.1
03360000	8	726.4	672.2	1253.6	316.3	390.6	432.5	467.5	320.7	665.4	429.2	492.3	758.8	353.0
03360500	9	3544.1	3131.0	5489.6	1695.5	2000.7	2073.9	2221.2	1809.0	3247.8	1925.7	2376.6	3371.8	1690.2
03371500	4	3470.5	2647.5	4960.0	1289.1	2097.0	1605.7	1970.8	1546.3	2491.3	1532.9	1854.8	3102.3	1251.9
03372500	5	-149.9	-13.8	228.4	-128.0	2.0	-24.9	4.9	-33.9	12.6	-27.6	-21.8	2.5	-14.5
03373500	6	3516.1	2762.1	5516.3	1251.8	2274.9	1713.9	2170.5	1637.1	2691.0	1632.5	1986.2	3250.8	1337.5
03374000	10	7827.9	6462.2	12453.9	3170.4	4805.4	4217.8	4930.8	3715.1	6679.2	4003.2	4854.1	7321.6	3242.5
03374100	11	7936.8	6529.8	12679.0	3133.2	4864.9	4204.8	4992.9	3720.5	6736.4	4050.4	4896.5	7372.4	3208.7
03375500	1	-107.4	-168.3	-16.3	-178.6	-174.7	-182.2	-178.5	-187.3	-176.7	-182.6	-185.2	-179.1	-187.5
03376300	2	-7.1	-83.5	132.4	-136.9	-73.0	-116.2	-91.6	-135.3	-78.6	-114.5	-126.5	-102.8	-134.5
03376500	3	164.4	52.6	364.3	-70.6	64.8	-25.6	19.4	-55.2	63.6	-10.0	-32.5	20.8	-56.8
03377500	17	18001.5	14003.5	26823.9	6413.8	8747.6	9719.7	8552.5	7142.3	16036.4	7916.6	10020.0	15666.4	5659.3
03378000	18	109.5	105.6	228.5	45.8	95.8	74.7	87.1	51.8	148.6	86.0	74.9	134.9	51.7
03378500	19	17893.7	13893.7	27007.0	6137.4	8602.1	9502.2	8390.4	6887.7	16019.4	7750.2	9808.7	15591.4	5370.2
L. Wabash	20	18240.0	14180.3	27522.7	6243.0	8894.1	9723.7	8626.8	7047.9	16402.7	8022.9	10034.8	15916.6	5475.0

Table H1-9: SWB2 Method 5-year historical and future water availability by subbasin for Summer Qcea (Cumulative Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	3667.9	4423.0	2198.6	595.3	719.1	1680.0	639.7	2043.5	1651.5	365.1	3668.5	365.3	247.1
03342000	12	3859.9	4470.5	2268.7	437.3	658.5	1604.1	524.2	1909.3	1514.7	244.3	3718.7	182.6	83.2
03342500	13	83.3	45.9	48.2	13.1	21.2	23.3	18.9	29.3	32.3	24.8	63.0	11.8	10.0
03343010	14	4027.4	4517.9	2325.7	284.8	582.9	1553.7	421.5	1849.8	1470.9	141.6	3784.6	32.8	-66.7
03345500	15	555.4	475.5	324.6	83.7	233.3	218.7	89.2	172.3	96.3	104.0	434.6	62.4	74.6
03346500	16	815.1	681.2	481.0	106.7	314.2	328.3	154.1	223.8	181.3	156.5	609.9	96.9	118.6
03359000	7	286.4	160.4	121.6	81.7	112.6	98.5	109.8	120.8	108.7	99.2	192.7	92.6	70.8
03360000	8	732.5	406.4	277.3	190.6	245.4	204.9	186.9	256.0	215.8	152.0	429.2	133.2	95.8
03360500	9	2113.3	1676.3	1048.3	585.5	594.4	561.9	598.9	961.7	785.4	373.3	1483.7	276.3	222.9
03371500	4	1791.8	1224.5	1116.7	441.0	646.4	380.5	583.6	754.1	667.1	269.9	1055.5	89.4	143.3
03372500	5	232.3	20.1	130.2	134.1	118.4	118.2	122.5	120.7	120.2	117.9	130.5	112.8	116.1
03373500	6	2015.5	1249.8	1298.5	577.2	779.7	501.5	685.9	859.5	799.5	370.3	1195.3	171.0	263.0
03374000	10	4481.2	3093.6	2379.2	1082.7	1371.4	1113.6	1260.6	1897.7	1640.4	716.7	2879.8	337.8	431.3
03374100	11	4600.8	3187.1	2453.9	1039.0	1407.8	1090.9	1197.2	1879.3	1618.9	636.2	2867.6	245.5	382.7
03375500	1	26.3	-9.7	-16.1	-4.4	-15.8	-15.6	-16.2	-15.0	-14.2	-15.9	-11.6	-17.4	-16.1
03376300	2	50.3	7.5	-2.7	-3.1	-9.0	-7.2	-11.1	-4.2	-2.8	-10.2	10.5	-18.3	-12.2
03376500	3	100.9	38.8	24.2	-2.4	3.8	11.0	-1.5	15.2	17.2	3.1	45.7	-17.2	-6.9
03377500	17	9768.9	8600.6	5419.3	1286.9	2400.4	2866.9	1628.4	3852.4	3105.9	716.4	7237.9	68.5	291.3
03378000	18	52.0	54.1	42.7	3.6	16.7	22.2	11.7	12.7	22.7	12.2	33.8	3.8	6.6
03378500	19	9687.8	8547.1	5396.4	1100.2	2270.4	2747.7	1504.1	3730.7	3013.4	592.7	7169.0	-77.9	142.7
L. Wabash	20	9805.2	8659.3	5509.7	1102.2	2319.0	2815.4	1551.2	3794.4	3092.8	642.8	7296.4	-75.6	134.7

Table H1-10: SWB2 Method 5-year historical and future water availability by subbasin for Fall Qcea (Cumulative Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	121.0	527.6	647.7	-154.8	773.2	73.8	-14.8	415.7	281.3	47.1	128.3	138.7	222.2
03342000	12	15.3	355.1	556.5	-309.3	746.4	-79.9	-171.6	294.0	141.4	-100.5	-26.8	0.8	65.5
03342500	13	2.0	0.9	2.4	1.0	7.5	1.8	0.9	2.6	2.8	1.7	2.3	2.4	1.1
03343010	14	-147.3	187.1	405.7	-481.4	666.5	-247.5	-353.8	143.7	-8.7	-267.3	-189.3	-155.3	-117.1
03345500	15	60.3	34.0	109.6	30.3	129.0	38.0	23.3	77.2	43.6	24.2	32.8	34.8	17.7
03346500	16	78.5	49.4	165.3	49.4	196.5	50.0	29.6	100.9	65.5	44.5	56.9	57.2	23.7
03359000	7	16.2	7.1	10.7	17.0	17.7	7.0	4.8	10.1	11.7	5.9	7.5	6.0	3.7
03360000	8	54.0	51.2	62.9	78.6	98.3	24.1	6.6	48.2	72.7	15.6	19.8	20.8	4.2
03360500	9	74.7	131.7	193.9	38.6	212.9	-43.9	-84.0	51.8	110.8	-49.3	-22.0	30.2	-54.3
03371500	4	289.1	82.2	140.2	51.9	262.3	-55.2	-74.0	35.6	20.7	-42.3	-30.9	53.6	-91.1
03372500	5	-68.6	-49.6	-76.0	-49.7	-59.4	-61.2	-61.5	-61.7	-61.2	-61.6	-61.4	-61.3	-61.9
03373500	6	247.7	38.1	122.7	17.3	228.9	-110.2	-132.3	-23.2	-34.7	-91.7	-81.9	17.3	-144.9
03374000	10	182.4	62.8	177.9	-83.2	372.5	-290.6	-358.9	-105.3	-25.3	-273.5	-237.6	-89.3	-338.2
03374100	11	210.9	44.9	189.2	-109.7	405.6	-336.5	-410.8	-132.8	-43.3	-310.0	-273.0	-99.5	-385.3
03375500	1	-58.3	56.2	12.7	16.4	20.8	20.0	19.9	20.2	20.5	20.7	20.9	21.1	20.7
03376300	2	-57.2	54.4	13.0	15.1	20.7	17.9	17.9	18.2	19.2	19.0	19.8	20.5	18.1
03376500	3	-54.5	50.7	13.3	13.0	20.9	15.1	15.0	15.5	17.4	16.6	18.9	19.0	15.1
03377500	17	192.7	245.3	873.4	-560.1	1459.7	-627.8	-818.8	86.0	33.4	-559.8	-426.3	-142.0	-533.0
03378000	18	13.4	3.9	14.4	3.7	11.7	1.2	1.6	2.1	3.4	2.6	3.2	2.8	1.5
03378500	19	32.8	62.6	717.3	-737.4	1303.1	-823.7	-980.1	-61.5	-103.9	-704.4	-563.3	-281.2	-685.6
L. Wabash	20	26.4	44.1	702.9	-747.3	1304.8	-845.3	-1003.5	-82.9	-115.5	-724.3	-574.0	-298.2	-713.2

Figure H1-1. Maps of Historical and Future Annual Local Water Availability (Qea).

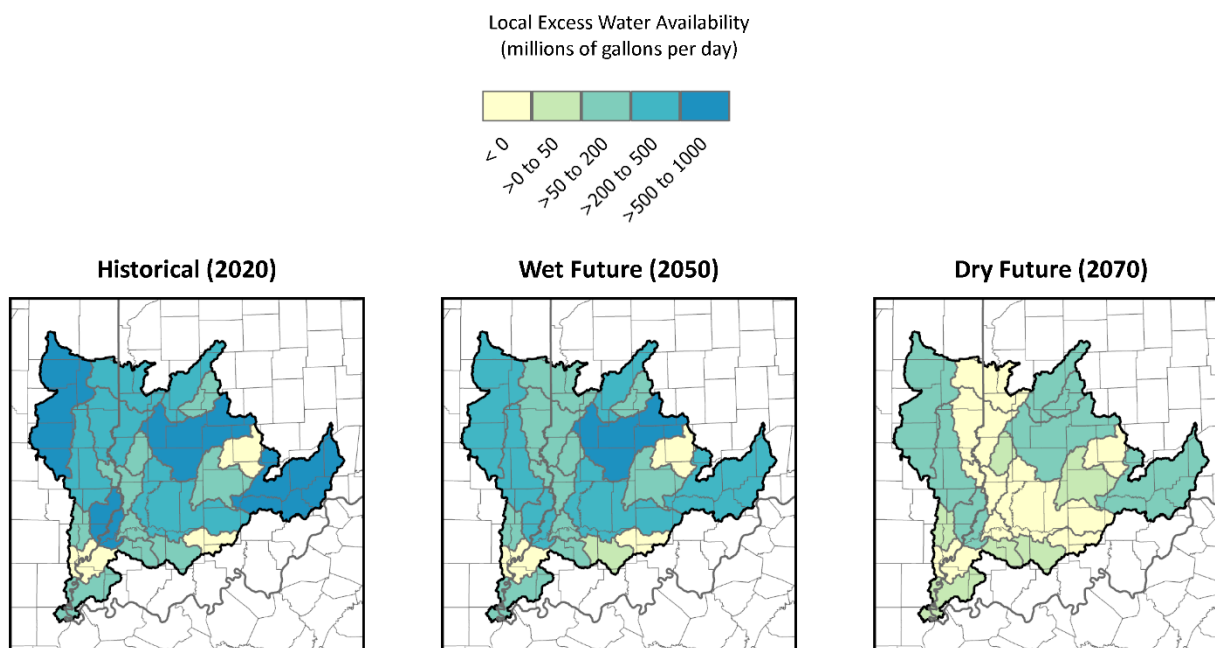


Figure H1-2. Maps of Historical and Future Annual Cumulative Water Availability (Qcea).

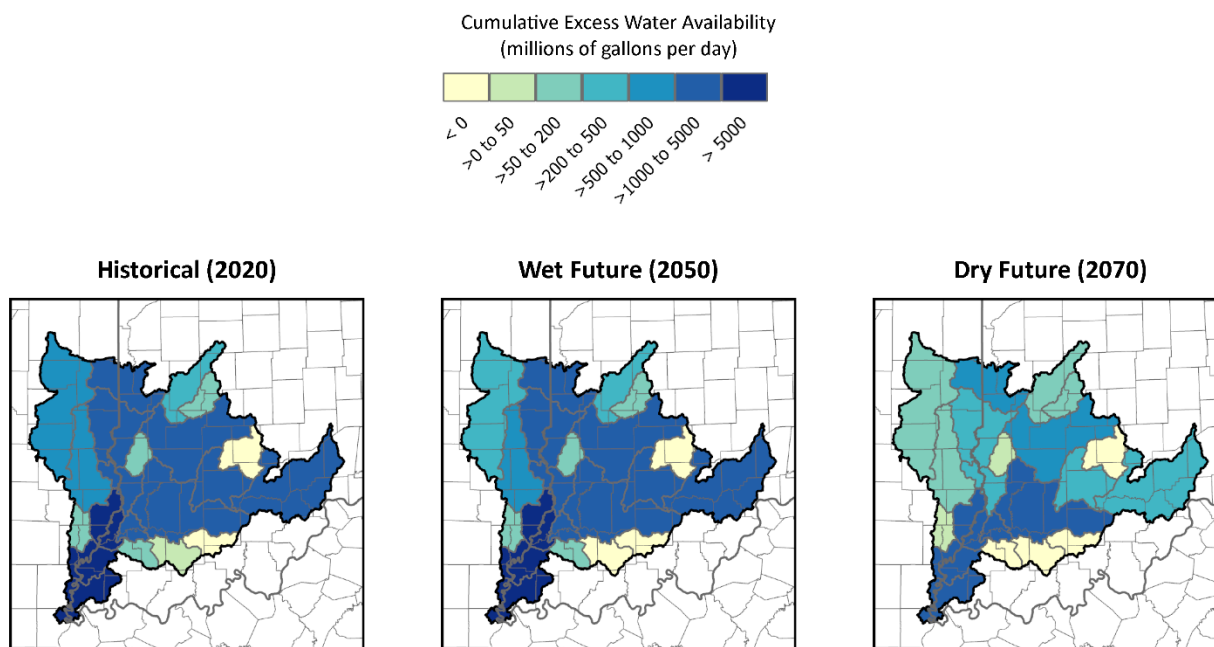


Figure H1-3. Maps of Historical and Future Seasonal Local Water Availability (Qea).

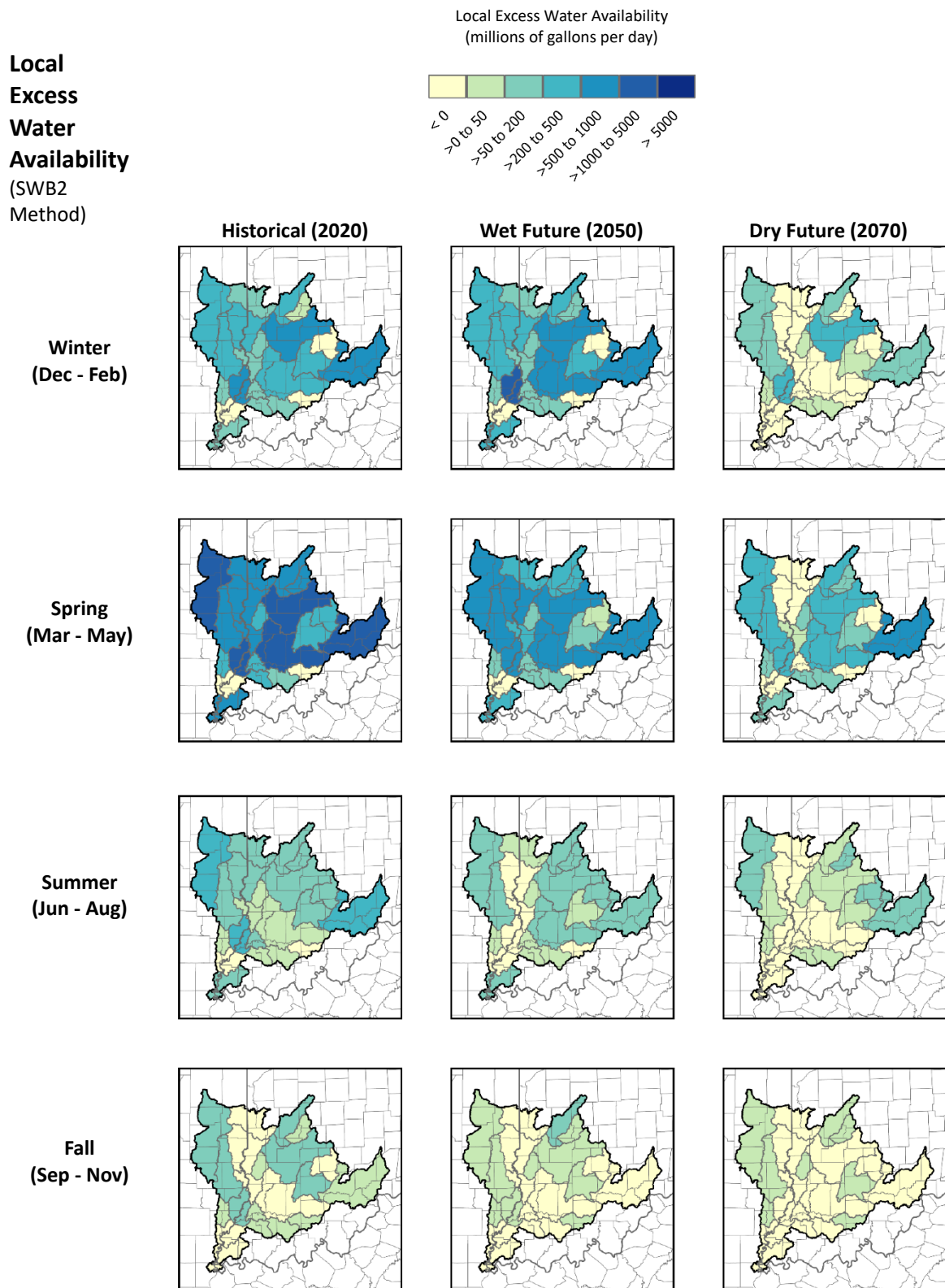
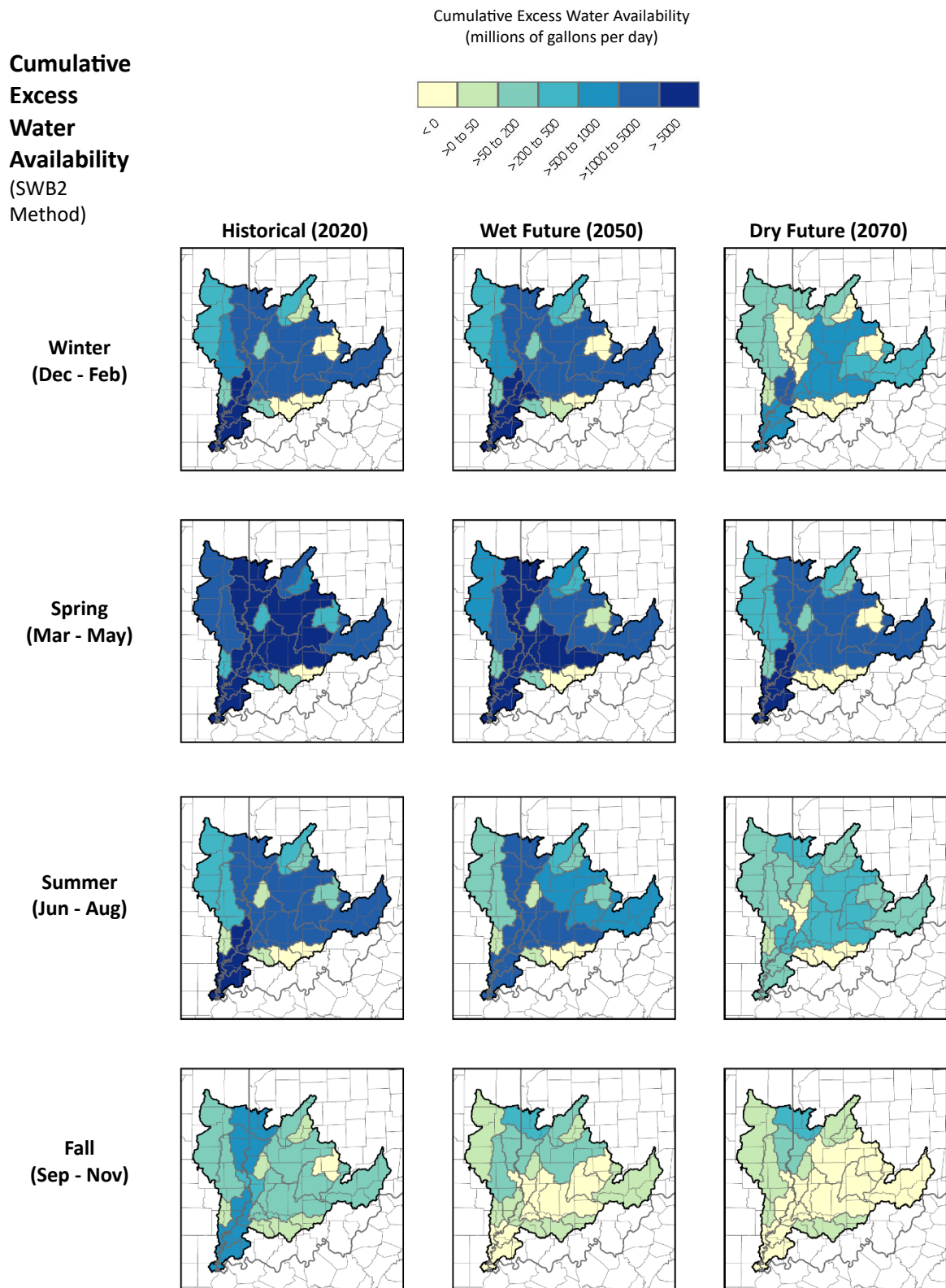


Figure H1-4. Maps of Historical and Future Seasonal Cumulative Water Availability (Qcea).



SWB2-Derived Baseflow: Local Availability

Historical (2020) versus Projected Future (2050)

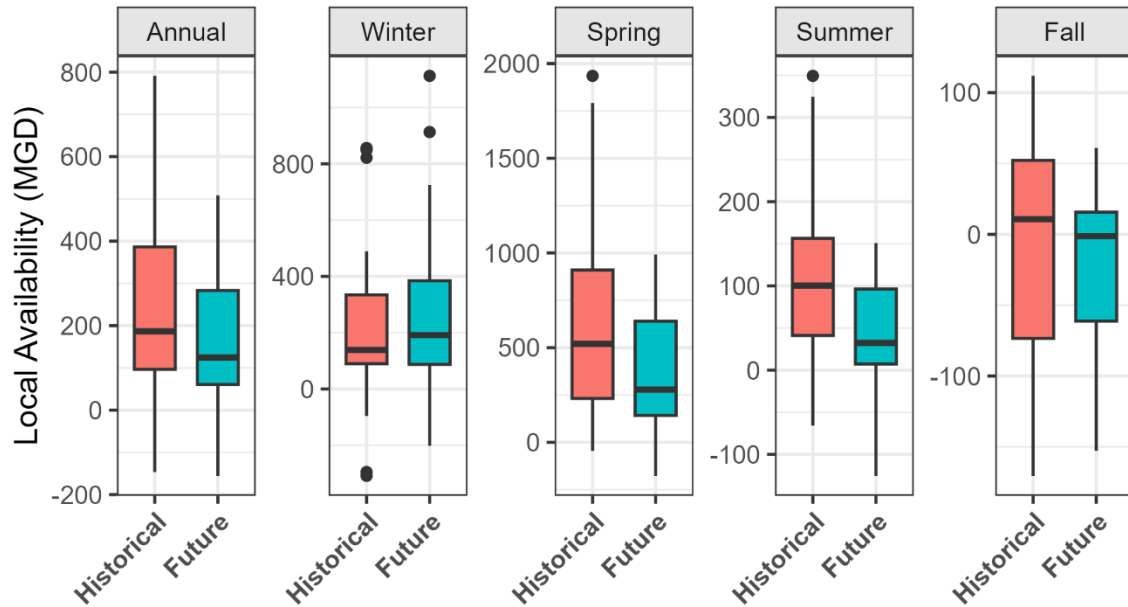


Figure H1-5. Comparison of five-year centered average **local excess water availability** for historical (2020) and **future wet (2050)** conditions across the 21 Southwest Indiana study subbasins. Natural baseflow used in the water-availability calculations was estimated using the calibrated **Soil-Water-Balance (SWB2)** implementation. Box-and-whisker plots summarize the distribution of local availability among subbasins for annual conditions and for Winter, Spring, Summer, and Fall. Each box represents the interquartile range (25th to 75th percentiles), with the horizontal line indicating the median; whiskers extend to values within 1.5 times the interquartile range. Historical and future values represent five-year centered averages, with 2020 representing the 2018–2022 historical period and 2050 representing the 2048–2052 future period under the NorESM2-LM SSP2-4.5 climate projection. **Local availability represents water available within an individual subbasin after accounting for locally generated natural baseflow, net water use, reservoir operations, and local instream-flow requirements.** Y-axis scales vary among panels to improve visualization of the within-season distributions and therefore should not be used to directly compare absolute magnitudes among seasons. Values are reported in million gallons per day (MGD).

SWB2-Derived Baseflow: Local Availability

Historical (2020) versus Projected Future (2070)

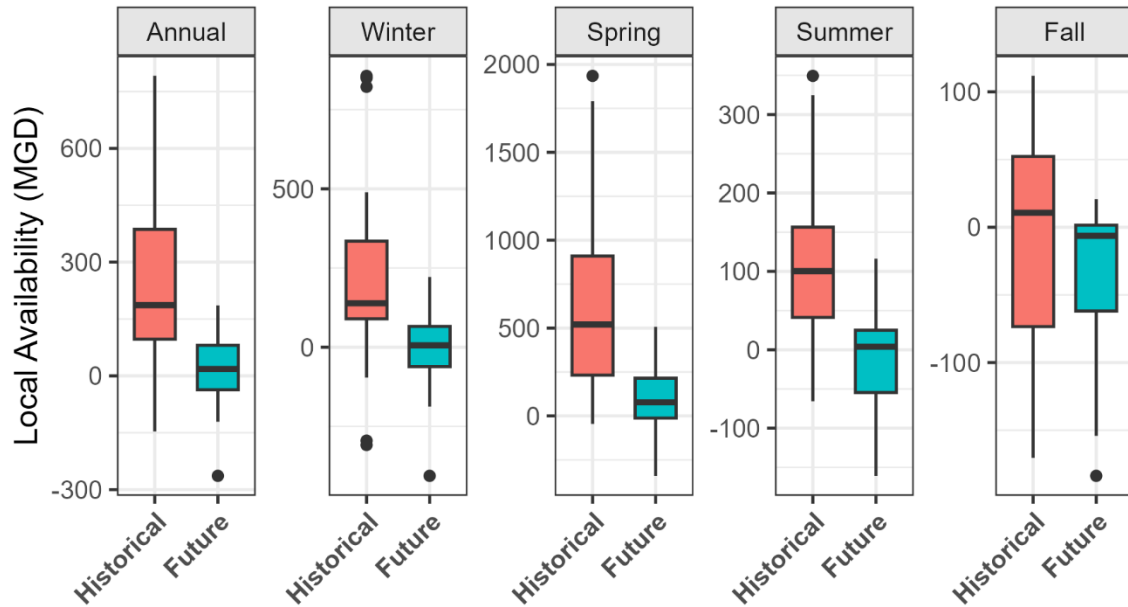


Figure H1-6. Comparison of five-year centered average **local excess water availability** for historical (2020) and **future dry (2070)** conditions across the 21 Southwest Indiana study subbasins. Natural baseflow used in the water-availability calculations was estimated using the calibrated **Soil-Water-Balance (SWB2)** implementation. Box-and-whisker plots summarize the distribution of local availability among subbasins for annual conditions and for Winter, Spring, Summer, and Fall. Each box represents the interquartile range (25th to 75th percentiles), with the horizontal line indicating the median; whiskers extend to values within 1.5 times the interquartile range. Historical and future values represent five-year centered averages, with 2020 representing the 2018–2022 historical period and 2070 representing the 2068–2072 future period under the NorESM2-LM SSP2-4.5 climate projection. **Local availability represents water available within an individual subbasin after accounting for locally generated natural baseflow, net water use, reservoir operations, and local instream-flow requirements.** Y-axis scales vary among panels to improve visualization of the within-season distributions and therefore should not be used to directly compare absolute magnitudes among seasons. Values are reported in million gallons per day (MGD).

SWB2-Derived Baseflow: Cumulative Availability

Historical (2020) versus Projected Future (2050)

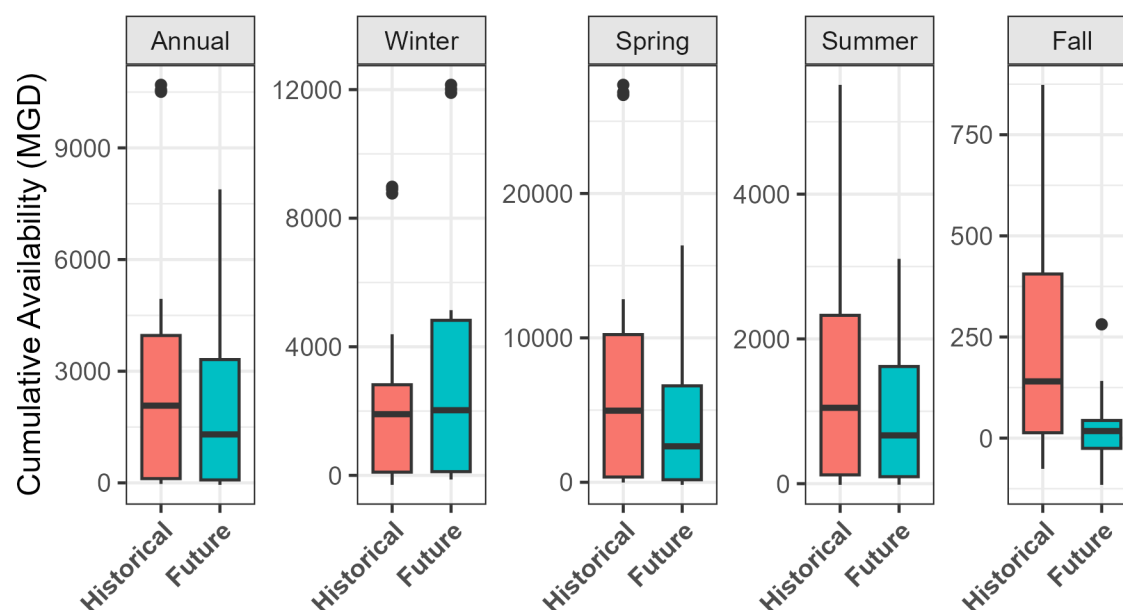


Figure H1-7. Comparison of five-year centered average **cumulative excess water availability** for historical (2020) and **future wet (2050)** conditions across the 21 Southwest Indiana study subbasins. Natural baseflow used in the water-availability calculations was estimated using the calibrated **Soil-Water-Balance (SWB2)** implementation. Box-and-whisker plots summarize the distribution of cumulative availability among subbasins for annual conditions and for Winter, Spring, Summer, and Fall. Each box represents the interquartile range (25th to 75th percentiles), with the horizontal line indicating the median; whiskers extend to values within 1.5 times the interquartile range. Historical and future values represent five-year centered averages, with 2020 representing the 2018–2022 historical period and 2050 representing the 2048–2052 future period under the NorESM2-LM SSP2-4.5 climate projection. **Cumulative availability represents water at each location after accounting for contributions and water-balance components accumulated from the upstream drainage network, together with the applicable instream-flow requirement.** Y-axis scales vary among panels to improve visualization of the within-season distributions and therefore should not be used to directly compare absolute magnitudes among seasons. Values are reported in million gallons per day (MGD).

SWB2-Derived Baseflow: Cumulative Availability

Historical (2020) versus Projected Future (2070)

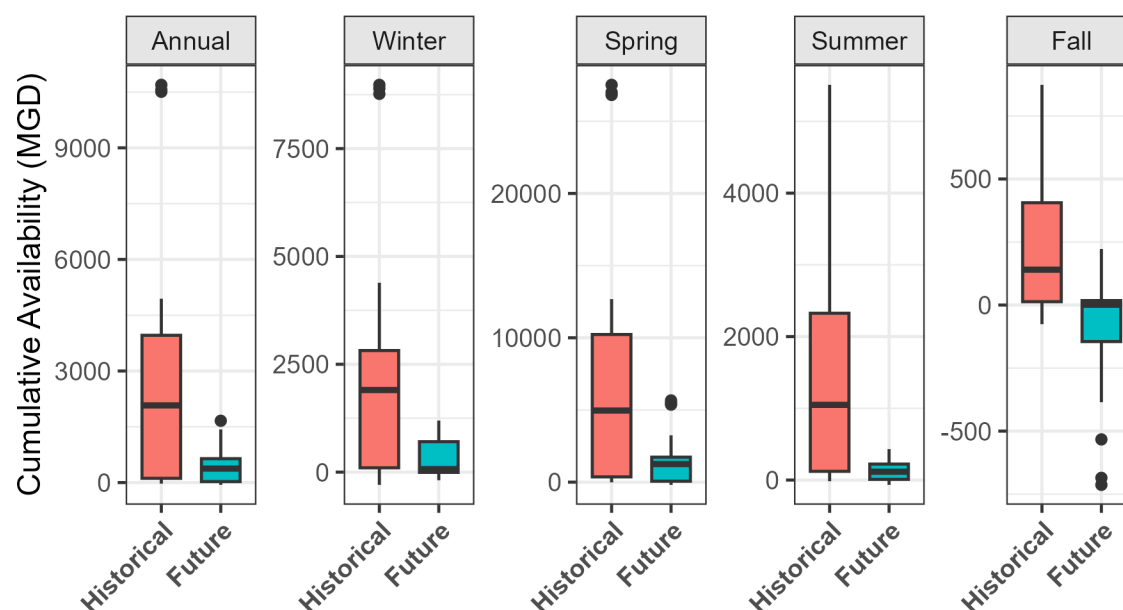


Figure H1-8. Comparison of five-year centered average **cumulative excess water availability** for historical (2020) and **future dry (2070)** conditions across the 21 Southwest Indiana study subbasins. Natural baseflow used in the water-availability calculations was estimated using the calibrated **Soil-Water-Balance (SWB2)** implementation. Box-and-whisker plots summarize the distribution of cumulative availability among subbasins for annual conditions and for Winter, Spring, Summer, and Fall. Each box represents the interquartile range (25th to 75th percentiles), with the horizontal line indicating the median; whiskers extend to values within 1.5 times the interquartile range. Historical and future values represent five-year centered averages, with 2020 representing the 2018–2022 historical period and 2070 representing the 2068–2072 future period under the NorESM2-LM SSP2-4.5 climate projection. **Cumulative availability represents water at each location after accounting for contributions and water-balance components accumulated from the upstream drainage network, together with the applicable instream-flow requirement.** Y-axis scales vary among panels to improve visualization of the within-season distributions and therefore should not be used to directly compare absolute magnitudes among seasons. Values are reported in million gallons per day (MGD).

Table H2-1: PART/BFI Method 5-year historical and future water availability by subbasin for Annual Qea (Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	542.7	548.5	396.5	97.7	216.9	237.7	122.3	244.1	352.6	201.4	327.2	310.5	79.3
03342000	12	640.4	701.3	908.5	145.9	140.5	73.9	16.4	119.6	196.6	60.3	156.2	118.8	-44.3
03342500	13	91.3	72.8	88.9	44.6	59.2	49.7	39.3	48.0	75.0	53.1	61.2	69.8	37.7
03343010	14	55.1	143.6	414.1	31.0	45.7	-10.6	-22.3	-27.3	38.8	25.8	25.9	36.3	-27.5
03345500	15	492.5	430.4	519.3	269.4	283.3	278.2	208.5	275.0	343.9	251.7	323.5	306.2	180.1
03346500	16	351.8	340.9	325.5	166.8	170.4	176.8	137.4	164.1	268.7	185.4	210.4	200.5	123.3
03359000	7	86.2	74.6	93.9	62.3	65.5	47.7	47.8	54.3	68.7	51.9	68.8	71.0	36.7
03360000	8	129.8	174.3	142.2	105.9	89.4	81.4	67.7	78.1	111.1	81.2	106.3	103.2	62.2
03360500	9	570.1	573.5	620.8	385.8	454.4	375.3	381.0	366.6	502.2	369.1	474.2	476.9	331.9
03371500	4	677.5	636.1	710.3	383.5	507.7	406.8	413.9	403.1	552.9	377.1	528.2	546.0	349.5
03372500	5	6.6	8.1	43.3	-8.9	-10.5	-12.9	-5.7	-12.0	-2.3	-14.4	-0.7	-11.3	-10.8
03373500	6	508.2	280.0	336.6	200.7	255.9	250.6	250.9	226.7	289.5	254.9	269.9	249.2	237.5
03374000	10	992.5	838.3	1291.7	698.8	763.5	663.7	590.1	618.1	910.5	602.7	797.3	840.0	503.4
03374100	11	35.4	314.2	371.3	182.0	101.9	45.7	42.6	59.7	66.2	41.5	79.3	56.0	21.7
03375500	1	10.8	-0.1	-12.1	-28.2	-32.9	-33.6	-37.4	-37.8	-32.9	-37.5	-32.4	-38.1	-39.5
03376300	2	256.3	211.2	291.0	180.0	159.7	144.3	135.9	153.9	207.1	145.6	178.4	180.5	107.5
03376500	3	126.7	171.8	207.1	126.5	97.3	87.7	82.4	84.5	135.1	87.4	97.4	94.6	63.9
03377500	17	752.0	752.5	434.4	255.3	477.6	206.3	287.8	265.4	306.4	297.2	334.6	354.0	190.8
03378000	18	46.2	33.5	55.9	27.8	20.3	19.7	18.1	16.2	29.7	19.9	21.5	24.9	14.6
03378500	19	439.6	1068.5	998.7	371.2	41.7	99.0	39.6	131.4	321.1	101.7	207.0	185.2	-56.0
L. Wabash	20	163.7	164.5	177.8	96.2	156.9	146.0	131.2	118.8	197.2	141.3	165.0	153.4	86.2

Table H2-2: PART/BFI Method 5-year historical and future water availability by subbasin for Winter Qea (Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	417.9	432.6	372.2	19.2	91.2	167.7	41.9	44.3	378.3	127.7	216.7	329.6	50.3
03342000	12	249.7	375.6	600.9	-110.5	-58.4	-46.2	-130.2	-113.6	83.6	-103.0	-117.1	35.8	-160.3
03342500	13	98.9	84.1	137.4	39.5	55.4	55.7	28.5	26.9	105.3	39.5	44.3	87.3	42.3
03343010	14	45.1	136.8	554.1	14.0	77.6	11.8	-1.3	-26.0	76.2	56.2	29.7	57.1	8.3
03345500	15	530.7	484.0	615.2	243.4	161.5	277.5	161.1	187.3	384.9	209.7	269.8	395.1	155.0
03346500	16	248.4	298.5	517.5	153.6	143.9	206.8	98.1	84.6	369.3	142.8	179.5	331.7	112.5
03359000	7	61.4	53.9	-12.1	38.8	-7.0	-8.1	-22.6	-22.8	20.8	-15.7	-13.1	11.6	-13.4
03360000	8	137.9	197.9	177.2	89.7	74.7	80.3	44.2	60.9	140.6	81.7	86.0	121.6	62.9
03360500	9	469.0	525.2	732.7	326.5	403.5	398.5	294.1	224.4	667.5	346.4	419.0	612.2	327.8
03371500	4	698.1	542.2	1075.7	358.6	451.1	499.2	344.2	222.3	880.8	253.1	510.8	845.1	325.3
03372500	5	-84.9	-45.4	-231.3	-119.9	-154.9	-154.0	-158.9	-181.3	-112.0	-169.7	-154.2	-126.3	-152.5
03373500	6	332.1	174.6	335.8	269.7	195.3	201.7	171.8	117.8	297.9	155.4	175.3	226.0	181.3
03374000	10	688.8	587.1	1537.5	480.5	455.5	557.7	295.4	177.0	1189.9	318.6	478.7	939.0	341.6
03374100	11	-26.1	456.0	433.4	46.2	29.6	13.3	3.5	-13.1	54.2	40.6	38.7	61.8	-3.0
03375500	1	59.2	15.7	-70.9	-19.4	-28.5	-29.7	-36.1	-42.4	-14.3	-37.3	-27.8	-20.6	-34.5
03376300	2	323.5	272.4	444.3	280.4	175.4	177.8	140.5	98.0	387.7	113.5	177.8	299.9	138.6
03376500	3	149.5	209.3	296.0	140.8	86.6	104.0	73.9	44.8	266.6	52.3	91.0	174.9	69.8
03377500	17	490.5	396.7	685.7	444.4	506.3	426.8	427.6	319.3	518.7	460.2	528.7	571.7	381.4
03378000	18	45.5	37.6	113.8	32.7	21.5	27.3	17.1	11.1	49.4	17.5	23.4	41.6	16.6
03378500	19	222.3	667.1	676.1	66.0	-288.4	-103.2	-292.6	-310.6	355.9	-277.0	-168.4	175.8	-282.9
L. Wabash	20	141.8	115.7	187.4	62.8	99.5	134.6	114.7	54.4	269.7	89.1	110.8	179.8	63.5

Table H2-3: PART/BFI Method 5-year historical and future water availability by subbasin for Spring Qea (Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	1168.9	815.7	924.0	141.7	315.3	462.5	169.3	484.7	670.7	427.6	637.9	581.6	143.9
03342000	12	1580.6	1221.2	1592.0	434.7	217.1	187.7	76.8	196.3	381.2	238.3	288.0	210.4	-36.5
03342500	13	160.0	129.8	152.9	86.6	104.5	82.9	82.6	92.4	117.2	110.0	118.0	100.6	62.1
03343010	14	264.5	656.5	823.3	284.8	254.9	177.2	181.6	157.1	282.9	256.7	289.0	270.8	129.7
03345500	15	859.3	773.1	905.5	544.9	526.2	471.4	351.7	521.0	628.9	499.4	613.0	480.3	322.8
03346500	16	941.5	593.4	591.5	369.1	339.6	305.4	287.1	373.0	499.4	409.7	455.9	333.8	214.2
03359000	7	67.9	110.3	256.0	121.6	101.9	84.4	98.2	89.2	112.1	107.1	134.4	134.2	71.2
03360000	8	260.6	279.7	242.0	208.6	149.5	144.0	145.2	128.2	174.7	158.7	213.3	197.8	122.6
03360500	9	947.0	1064.8	1091.2	696.6	699.5	567.4	709.7	613.4	669.9	597.0	838.2	695.1	530.7
03371500	4	1447.9	1281.0	1032.8	719.6	843.6	640.8	791.5	818.1	770.7	751.9	948.2	806.7	622.7
03372500	5	-87.8	60.3	289.0	-44.1	17.6	1.5	34.8	41.1	7.4	16.1	51.4	-11.5	10.4
03373500	6	1280.7	722.5	699.7	255.5	402.2	385.8	472.3	482.6	424.5	431.2	530.8	299.6	373.7
03374000	10	2200.5	1281.1	2197.3	1303.1	1239.6	1200.9	1222.0	1249.9	1267.2	1196.6	1493.3	1238.5	958.2
03374100	11	143.8	515.9	553.0	621.5	171.4	127.0	149.5	116.0	108.9	115.6	180.7	138.2	102.8
03375500	1	-16.4	-88.8	-4.8	-142.9	-150.4	-143.2	-150.4	-142.1	-155.1	-150.1	-139.4	-165.2	-157.7
03376300	2	548.7	474.0	487.5	312.7	254.5	260.7	276.5	342.1	250.2	324.2	330.5	136.7	179.8
03376500	3	236.4	402.6	419.2	268.2	208.7	187.5	202.3	225.9	213.2	236.4	228.5	144.7	132.3
03377500	17	2243.7	882.0	235.5	191.6	336.2	95.7	460.7	147.4	101.0	384.0	191.1	221.3	182.0
03378000	18	110.0	63.1	82.7	68.8	45.0	39.3	44.1	42.8	56.5	50.5	50.9	48.5	31.2
03378500	19	973.2	2634.1	2501.7	592.1	246.0	341.1	285.8	578.5	756.0	535.3	726.4	519.4	-25.6
L. Wabash	20	331.8	263.5	274.4	169.8	289.2	264.7	248.2	227.8	284.5	294.2	273.4	233.9	158.4

Table H2-4: PART/BFI Method 5-year historical and future water availability by subbasin for Summer Qea (Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	628.7	790.5	229.2	214.3	312.6	337.1	264.3	381.8	245.2	219.0	362.6	185.4	122.4
03342000	12	733.3	1194.1	921.7	249.5	214.1	185.1	136.0	316.3	191.7	85.6	369.5	16.1	34.3
03342500	13	81.0	56.5	44.5	39.2	37.0	38.1	29.7	48.7	35.8	40.2	43.5	25.4	26.2
03343010	14	-62.5	-93.3	170.0	-108.0	-113.5	-124.8	-146.3	-139.2	-148.4	-121.4	-152.8	-155.6	-130.9
03345500	15	483.0	366.2	384.5	220.9	262.2	250.5	220.1	266.7	197.5	178.1	270.4	182.4	159.1
03346500	16	182.8	435.1	118.4	115.1	143.5	152.1	129.1	156.6	134.2	123.4	138.0	88.1	112.0
03359000	7	198.4	113.8	97.2	71.5	120.6	98.4	98.2	127.4	106.9	97.6	121.2	86.8	72.3
03360000	8	91.0	132.9	89.7	86.9	65.4	68.9	59.0	81.3	63.5	50.5	84.2	42.6	32.6
03360500	9	710.5	449.3	445.9	408.2	337.5	347.0	336.5	450.6	344.7	337.9	356.5	236.7	272.9
03371500	4	422.9	532.3	555.4	332.2	432.1	326.1	362.6	418.4	306.4	288.0	360.8	209.5	304.4
03372500	5	244.8	47.9	162.4	159.3	135.7	139.3	141.0	136.0	140.0	135.9	143.6	140.7	139.6
03373500	6	300.4	137.7	183.0	181.0	186.2	266.2	206.5	184.1	183.9	279.6	141.3	215.6	237.4
03374000	10	690.2	1182.8	1143.7	749.8	725.9	617.3	559.6	747.1	575.9	547.9	618.2	377.2	462.3
03374100	11	64.0	283.0	402.6	65.2	165.1	68.1	43.7	146.9	89.5	22.7	85.5	-17.0	13.1
03375500	1	32.6	7.6	5.8	17.6	9.8	3.7	3.2	6.3	1.7	1.3	1.8	2.7	-0.5
03376300	2	41.0	72.2	166.1	73.2	118.6	73.0	66.3	79.6	63.7	62.2	67.6	69.5	61.3
03376500	3	75.1	63.5	103.9	82.0	78.7	50.8	44.6	59.1	46.8	50.8	53.1	49.2	43.2
03377500	17	250.9	1525.0	485.3	284.0	607.6	133.2	100.7	399.6	211.4	70.9	235.2	-48.1	75.2
03378000	18	13.9	30.1	19.7	6.7	8.9	8.1	6.8	7.6	7.1	6.5	7.1	5.3	6.0
03378500	19	412.9	891.0	761.7	754.4	332.3	242.3	212.5	360.8	274.0	186.2	332.6	137.5	137.8
L. Wabash	20	145.6	219.7	189.3	100.8	156.6	135.8	111.1	138.7	123.9	111.9	172.1	99.4	75.4

Table H2-5: PART/BFI Method 5-year historical and future water availability by subbasin for Fall Qea (Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	-53.5	148.6	56.4	13.2	145.6	-20.8	10.8	59.8	113.9	28.1	86.6	143.7	-0.9
03342000	12	-16.0	0.2	509.0	3.3	186.1	-34.6	-20.4	74.5	127.1	16.7	78.3	212.2	-16.6
03342500	13	24.7	20.6	21.0	12.7	39.7	21.7	15.8	23.4	42.0	22.2	38.6	66.2	20.0
03343010	14	-27.6	-128.7	108.6	-68.0	-36.7	-107.1	-123.8	-101.8	-55.9	-88.9	-63.3	-27.4	-117.6
03345500	15	93.5	95.6	170.1	65.8	180.1	111.7	99.0	121.7	163.2	117.3	137.8	167.2	82.0
03346500	16	29.0	32.5	75.7	27.5	52.8	41.9	33.4	39.2	71.6	63.6	65.9	49.5	53.7
03359000	7	15.9	19.4	31.6	16.3	45.0	14.7	15.7	21.4	33.7	17.0	30.6	50.0	15.7
03360000	8	28.9	86.3	59.8	37.5	67.3	31.8	21.3	41.2	65.7	33.6	40.6	50.7	30.5
03360500	9	147.3	250.2	211.0	108.0	375.5	186.6	179.9	172.9	327.8	192.7	279.7	364.9	194.8
03371500	4	135.6	182.2	178.5	120.3	300.8	160.4	153.0	147.4	256.2	211.1	289.9	326.1	143.1
03372500	5	-48.0	-31.8	-53.4	-33.3	-43.2	-41.5	-43.2	-47.5	-47.0	-43.1	-47.0	-50.6	-43.6
03373500	6	112.2	81.0	125.5	96.7	238.5	146.6	150.6	118.8	251.5	150.5	229.8	255.2	155.7
03374000	10	378.3	291.4	282.0	252.9	626.2	272.8	274.3	286.1	610.5	339.4	590.7	807.1	245.8
03374100	11	-42.0	1.4	94.3	-9.6	39.4	-27.0	-27.6	-13.3	11.2	-13.5	10.7	40.9	-27.2
03375500	1	-31.9	66.2	20.7	32.6	38.4	35.7	34.6	27.5	37.3	36.7	36.5	31.9	35.7
03376300	2	111.6	25.6	66.8	54.2	89.7	65.5	59.5	94.1	129.2	80.9	137.2	218.6	50.1
03376500	3	45.4	10.5	8.8	14.1	14.0	8.0	7.6	6.6	14.8	8.8	15.9	10.1	9.7
03377500	17	10.3	193.2	334.9	103.3	460.8	173.3	163.8	195.3	399.2	276.8	387.7	679.0	127.1
03378000	18	15.1	2.9	7.9	2.9	5.6	4.2	4.2	3.1	6.0	4.9	4.6	4.2	4.4
03378500	19	142.8	63.0	38.5	62.9	-130.8	-90.3	-54.8	-114.3	-105.5	-46.5	-72.9	-95.2	-57.3
L. Wabash	20	34.0	56.9	59.0	50.4	80.5	47.8	49.6	52.5	110.8	68.0	102.1	100.5	46.5

Table H2-6: PART/BFI Method 5-year historical and future water availability by subbasin for Annual Qcea (Cumulative Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	4356.1	4156.7	3399.2	1892.7	1683.3	1967.3	1380.6	2175.7	3087.0	1610.3	2858.7	2704.6	1283.7
03342000	12	4775.5	4637.4	4294.0	2028.0	1823.8	2041.0	1396.9	2294.0	3283.5	1669.6	3014.9	2821.4	1238.2
03342500	13	91.3	72.8	88.9	44.6	59.2	49.7	39.3	48.0	75.0	53.1	61.2	69.8	37.7
03343010	14	4642.7	4675.5	4668.6	2101.6	1926.9	2080.1	1413.9	2309.9	3393.6	1748.5	3096.6	2926.3	1247.1
03345500	15	492.5	430.4	519.3	269.4	283.3	278.2	208.5	275.0	343.9	251.7	323.5	306.2	180.1
03346500	16	842.6	767.8	844.3	436.2	452.5	455.0	345.9	438.7	612.7	437.1	533.9	498.6	303.4
03359000	7	86.2	74.6	93.9	62.3	65.5	47.7	47.8	54.3	68.7	51.9	68.8	71.0	36.7
03360000	8	215.0	248.9	236.0	168.2	154.8	129.1	115.5	132.3	179.8	133.1	175.1	174.2	99.0
03360500	9	1617.1	1682.3	1776.9	1151.9	1236.6	1128.7	1104.9	1187.7	1510.7	1116.5	1436.9	1472.4	1016.6
03371500	4	1594.5	1498.9	1735.3	1013.8	1134.8	931.9	953.7	955.1	1256.2	874.7	1213.1	1272.2	745.6
03372500	5	6.6	8.1	43.3	-8.9	-10.5	-12.9	-5.7	-12.0	-2.3	-14.4	-0.7	-11.3	-10.8
03373500	6	2073.0	1693.2	2041.9	1161.5	1380.2	1168.9	1198.9	1167.0	1543.4	1113.4	1482.1	1509.8	972.2
03374000	10	4610.2	4162.4	5100.2	3011.4	3380.3	2961.4	2893.9	2972.6	3964.5	2832.6	3716.3	3822.3	2492.2
03374100	11	4475.7	4373.6	5336.3	3151.0	3480.7	3006.8	2936.0	3030.0	4029.6	2871.7	3795.0	3878.1	2513.7
03375500	1	10.8	-0.1	-12.1	-28.2	-32.9	-33.6	-37.4	-37.8	-32.9	-37.5	-32.4	-38.1	-39.5
03376300	2	266.7	210.8	277.6	151.8	126.8	110.7	98.5	116.1	174.2	108.0	146.0	142.4	68.0
03376500	3	382.8	379.2	482.1	277.5	224.0	198.4	180.9	200.5	309.3	195.4	243.3	236.8	131.9
03377500	17	10589.5	9978.3	10803.5	6035.6	6552.3	5921.1	5157.9	6217.9	8631.8	5511.1	7955.5	7842.9	4370.5
03378000	18	46.2	33.5	55.9	27.8	20.3	19.7	18.1	16.2	29.7	19.9	21.5	24.9	14.6
03378500	19	10995.5	10882.1	11508.1	6405.3	6552.5	6037.9	5199.2	6330.6	8943.6	5628.9	8134.8	7922.1	4323.6
L. Wabash	20	11159.2	11046.6	11685.2	6488.4	6709.4	6183.9	5330.4	6449.4	9140.8	5770.2	8299.9	8075.6	4409.8

Table H2-7: PART/BFI Method 5-year historical and future water availability by subbasin for Winter Qcea (Cumulative Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	5319.3	3443.5	3201.5	912.3	424.9	1405.9	405.5	446.7	3697.6	1035.9	1916.7	2966.8	785.8
03342000	12	5154.3	3407.5	3790.5	759.0	366.5	1358.9	274.8	330.6	3780.7	932.9	1799.5	3002.6	623.9
03342500	13	98.9	84.1	137.4	39.5	55.4	55.7	28.5	26.9	105.3	39.5	44.3	87.3	42.3
03343010	14	4794.3	3475.7	4381.8	810.7	499.5	1426.4	302.0	331.5	3962.2	1028.6	1873.4	3147.0	674.4
03345500	15	530.7	484.0	615.2	243.4	161.5	277.5	161.1	187.3	384.9	209.7	269.8	395.1	155.0
03346500	16	779.1	782.5	1132.7	397.0	305.4	484.1	259.1	271.9	754.2	352.5	449.3	726.9	267.5
03359000	7	61.4	53.9	-12.1	38.8	-7.0	-8.1	-22.6	-22.8	20.8	-15.7	-13.1	11.6	-13.4
03360000	8	199.3	251.8	165.1	128.5	67.7	72.2	21.6	38.0	161.4	66.0	72.9	133.2	49.5
03360500	9	1528.2	1652.9	1971.8	921.2	975.9	1108.5	811.0	648.8	1792.1	907.7	1087.3	1653.4	1009.2
03371500	4	1651.6	1525.5	2407.3	859.2	966.5	1061.2	756.1	502.3	1797.8	681.5	1061.0	1736.0	757.1
03372500	5	-84.9	-45.4	-231.3	-119.9	-154.9	-154.0	-158.9	-181.3	-112.0	-169.7	-154.2	-126.3	-152.5
03373500	6	1870.3	1650.0	2438.2	992.3	1006.8	1109.0	769.0	438.8	1983.7	667.2	1082.1	1835.7	785.8
03374000	10	4087.3	3835.3	5906.0	2390.8	2438.2	2775.1	1875.4	1264.6	4965.6	1893.5	2648.1	4428.0	2136.6
03374100	11	3595.3	4137.2	6185.6	2394.6	2467.8	2788.4	1878.9	1251.5	5019.9	1934.1	2686.9	4489.8	2133.7
03375500	1	59.2	15.7	-70.9	-19.4	-28.5	-29.7	-36.1	-42.4	-14.3	-37.3	-27.8	-20.6	-34.5
03376300	2	382.2	287.3	373.4	261.1	146.9	148.1	104.4	55.6	373.3	76.2	150.0	279.3	104.1
03376500	3	509.9	496.7	669.4	401.7	233.6	251.9	178.3	100.0	639.9	128.4	241.0	454.2	173.9
03377500	17	9750.6	7803.4	11591.8	4429.8	4012.5	5377.5	3045.9	2274.1	10888.9	3903.9	5779.2	9389.6	3630.8
03378000	18	45.5	37.6	113.8	32.7	21.5	27.3	17.1	11.1	49.4	17.5	23.4	41.6	16.6
03378500	19	9837.1	8169.0	12256.8	4528.5	3745.6	5301.6	2770.4	1972.1	11294.2	3644.3	5629.7	9607.0	3362.0
L. Wabash	20	9978.9	8284.7	12444.2	4591.3	3845.1	5436.3	2885.0	2026.6	11563.9	3733.4	5740.5	9786.8	3425.6

Table H2-8: PART/BFI Method 5-year historical and future water availability by subbasin for Spring Qcea (Cumulative Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	6957.8	6085.5	6307.5	3874.3	2195.2	3391.0	2101.6	3624.0	4168.7	2813.4	4707.6	4365.4	1912.4
03342000	12	8176.2	6998.6	7856.7	4309.0	2412.4	3578.7	2178.4	3817.3	4550.0	3047.3	4995.5	4568.2	1872.8
03342500	13	160.0	129.8	152.9	86.6	104.5	82.9	82.6	92.4	117.2	110.0	118.0	100.6	62.1
03343010	14	8191.6	7712.4	8487.2	4677.8	2771.8	3838.8	2442.6	4066.8	4950.0	3414.0	5402.5	4939.6	2064.5
03345500	15	859.3	773.1	905.5	544.9	526.2	471.4	351.7	521.0	628.9	499.4	613.0	480.3	322.8
03346500	16	1800.9	1357.1	1497.0	914.0	865.8	776.8	638.8	894.0	1128.3	909.0	1068.8	814.1	537.0
03359000	7	67.9	110.3	256.0	121.6	101.9	84.4	98.2	89.2	112.1	107.1	134.4	134.2	71.2
03360000	8	328.5	390.0	498.0	330.2	251.4	228.4	243.4	217.4	286.9	265.7	347.6	332.0	193.8
03360500	9	2859.6	2820.6	3141.4	2184.0	2011.9	1846.0	2046.8	2134.8	2195.0	1992.6	2638.4	2350.1	1720.8
03371500	4	3086.1	2649.6	2564.6	1935.1	1881.4	1529.5	1818.3	1829.9	1776.0	1708.5	2208.1	2049.6	1340.5
03372500	5	-87.8	60.3	289.0	-44.1	17.6	1.5	34.8	41.1	7.4	16.1	51.4	-11.5	10.4
03373500	6	4183.1	3242.3	3444.9	2002.1	2301.2	1916.9	2325.4	2353.6	2208.0	2149.7	2790.4	2337.7	1724.6
03374000	10	9243.1	7193.4	8783.6	5489.1	5552.8	4963.7	5594.2	5738.3	5670.1	5338.9	6922.1	5926.2	4403.7
03374100	11	9213.5	7516.0	8974.5	6063.3	5724.1	5090.7	5743.6	5850.9	5775.8	5449.1	7102.8	6064.4	4506.5
03375500	1	-16.4	-88.8	-4.8	-142.9	-150.4	-143.2	-150.4	-142.1	-155.1	-150.1	-139.4	-165.2	-157.7
03376300	2	532.3	384.8	477.5	169.8	104.1	117.5	126.0	200.1	95.1	174.1	191.1	-28.6	22.1
03376500	3	748.8	787.4	896.6	438.0	312.9	305.0	328.3	426.0	308.3	410.5	419.6	116.1	154.4
03377500	17	21429.8	16039.9	18033.2	11809.9	10001.3	10052.3	9614.1	11359.2	12253.2	10472.8	14083.6	12011.1	7421.1
03378000	18	110.0	63.1	82.7	68.8	45.0	39.3	44.1	42.8	56.5	50.5	50.9	48.5	31.2
03378500	19	22394.5	18737.2	19640.9	12470.8	10292.3	10432.7	9943.9	11980.5	13065.7	11057.8	14860.9	12579.1	7426.8
L. Wabash	20	22726.3	19000.6	19912.9	12588.2	10581.5	10697.4	10192.1	12208.3	13350.2	11352.0	15134.4	12813.0	7585.2

Table H2-9: PART/BFI Method 5-year historical and future water availability by subbasin for Summer Qcea (Cumulative Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	4043.4	5132.8	2666.8	2151.5	2186.0	2518.2	2170.5	3261.5	2591.6	1793.3	3249.1	1596.5	1383.7
03342000	12	4707.1	6243.7	3588.5	2401.1	2400.1	2703.3	2306.5	3577.7	2783.4	1878.9	3618.7	1612.6	1418.0
03342500	13	81.0	56.5	44.5	39.2	37.0	38.1	29.7	48.7	35.8	40.2	43.5	25.4	26.2
03343010	14	4625.7	5791.2	3803.0	2328.2	2316.6	2616.6	2190.0	3468.3	2655.9	1797.7	3488.2	1477.4	1308.5
03345500	15	483.0	366.2	384.5	220.9	262.2	250.5	220.1	266.7	197.5	178.1	270.4	182.4	159.1
03346500	16	658.9	796.8	501.1	336.1	405.8	402.6	349.2	423.3	331.7	301.5	408.5	270.4	271.1
03359000	7	198.4	113.8	97.2	71.5	120.6	98.4	98.2	127.4	106.9	97.6	121.2	86.8	72.3
03360000	8	285.5	246.6	186.4	158.3	186.0	167.3	157.3	208.6	170.4	148.1	205.4	129.4	104.9
03360500	9	1646.6	1525.3	1229.2	1129.4	1058.8	1101.1	1038.0	1449.8	1144.7	1012.5	1218.3	850.9	808.2
03371500	4	1237.8	1286.3	1366.9	959.8	979.3	804.5	883.7	1129.3	853.8	708.7	940.7	499.9	610.1
03372500	5	244.8	47.9	162.4	159.3	135.7	139.3	141.0	136.0	140.0	135.9	143.6	140.7	139.6
03373500	6	1776.9	1315.2	1620.0	1290.4	1301.2	1210.0	1231.2	1441.0	1177.6	1122.9	1224.6	855.2	987.1
03374000	10	3826.2	4023.4	3992.9	3169.7	3085.9	2928.5	2828.8	3637.9	2898.2	2683.2	3061.0	2083.3	2257.7
03374100	11	3866.5	4261.7	4379.9	3165.8	3245.5	2995.1	2870.3	3779.8	2986.7	2701.8	3143.9	2065.5	2270.1
03375500	1	32.6	7.6	5.8	17.6	9.8	3.7	3.2	6.3	1.7	1.3	1.8	2.7	-0.5
03376300	2	73.6	79.6	171.9	90.8	128.3	76.7	69.5	85.9	65.4	63.6	69.4	72.2	60.9
03376500	3	148.1	138.1	271.2	172.8	207.0	127.5	114.1	144.9	112.2	114.3	122.5	121.4	104.1
03377500	17	8821.7	12417.7	9226.3	6100.2	6753.7	6228.9	5598.2	8136.6	6235.2	4925.5	7309.6	3828.9	3987.4
03378000	18	13.9	30.1	19.7	6.7	8.9	8.1	6.8	7.6	7.1	6.5	7.1	5.3	6.0
03378500	19	9241.7	12978.1	10007.7	6759.9	7094.9	6479.3	5817.4	8504.9	6516.3	5118.2	7649.3	3971.7	4131.2
L. Wabash	20	9387.3	13197.8	10197.0	6860.7	7251.5	6615.2	5928.5	8643.6	6640.2	5230.1	7821.4	4071.1	4206.6

Table H2-10: PART/BFI Method 5-year historical and future water availability by subbasin for Fall Qcea (Cumulative Excess Water Availability) in Millions of Gallons per Day (MGD). SB is Subbasin number.

Gage_ID	SB	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070
03341500	0	1085.2	1927.0	1395.3	599.6	1907.7	527.7	819.6	1327.6	1887.7	778.5	1528.5	1885.9	1041.6
03342000	12	1030.3	1845.6	1904.4	602.9	2093.8	493.1	799.3	1402.1	2014.8	795.3	1606.7	2098.1	1025.0
03342500	13	24.7	20.6	21.0	12.7	39.7	21.7	15.8	23.4	42.0	22.2	38.6	66.2	20.0
03343010	14	921.3	1666.4	1967.6	547.6	2096.9	407.8	691.4	1323.7	2000.9	728.6	1582.0	2136.8	927.4
03345500	15	93.5	95.6	170.1	65.8	180.1	111.7	99.0	121.7	163.2	117.3	137.8	167.2	82.0
03346500	16	122.5	128.1	245.4	93.4	228.3	153.6	132.4	159.2	234.8	180.8	203.7	184.1	135.8
03359000	7	15.9	19.4	31.6	16.3	45.0	14.7	15.7	21.4	33.7	17.0	30.6	50.0	15.7
03360000	8	44.6	105.7	91.4	53.8	112.3	46.4	37.0	62.6	99.4	50.6	71.2	100.7	46.2
03360500	9	419.4	719.5	757.9	359.8	891.3	451.6	511.6	499.4	909.4	543.0	789.8	1034.1	522.5
03371500	4	390.4	524.1	603.5	290.4	704.6	328.2	346.2	343.4	599.3	390.9	633.4	807.2	269.6
03372500	5	-48.0	-31.8	-53.4	-33.3	-43.2	-41.5	-43.2	-47.5	-47.0	-43.1	-47.0	-50.6	-43.6
03373500	6	440.5	552.0	657.1	348.9	899.9	430.7	453.6	412.0	803.9	498.3	816.2	1011.8	381.7
03374000	10	1238.3	1562.9	1697.0	961.6	2417.4	1155.1	1239.5	1197.1	2323.8	1380.7	2196.7	2853.0	1149.9
03374100	11	1176.1	1544.3	1783.3	941.6	2456.8	1128.1	1211.9	1183.0	2335.0	1367.2	2207.4	2893.9	1122.8
03375500	1	-31.9	66.2	20.7	32.6	38.4	35.7	34.6	27.5	37.3	36.7	36.5	31.9	35.7
03376300	2	78.5	91.7	87.6	86.8	128.0	101.2	94.1	121.6	166.5	117.6	173.7	250.5	85.8
03376500	3	123.6	93.7	90.7	98.0	142.0	109.2	101.8	128.2	181.2	126.4	189.6	260.1	95.6
03377500	17	2250.6	3539.5	4307.7	1724.4	5384.8	1972.0	2301.2	2989.4	5151.3	2679.8	4570.4	6153.9	2408.6
03378000	18	15.1	2.9	7.9	2.9	5.6	4.2	4.2	3.1	6.0	4.9	4.6	4.2	4.4
03378500	19	2395.1	3511.0	4060.5	1775.2	5011.5	1878.1	2184.8	2740.4	4895.2	2623.7	4308.8	5537.9	2336.0
L. Wabash	20	2429.0	3567.9	4119.5	1825.6	5092.0	1925.9	2234.4	2792.9	5006.0	2691.8	4410.9	5638.4	2382.5

Figure H2-1. Maps of Historical and Future Annual Local Water Availability (Qea).

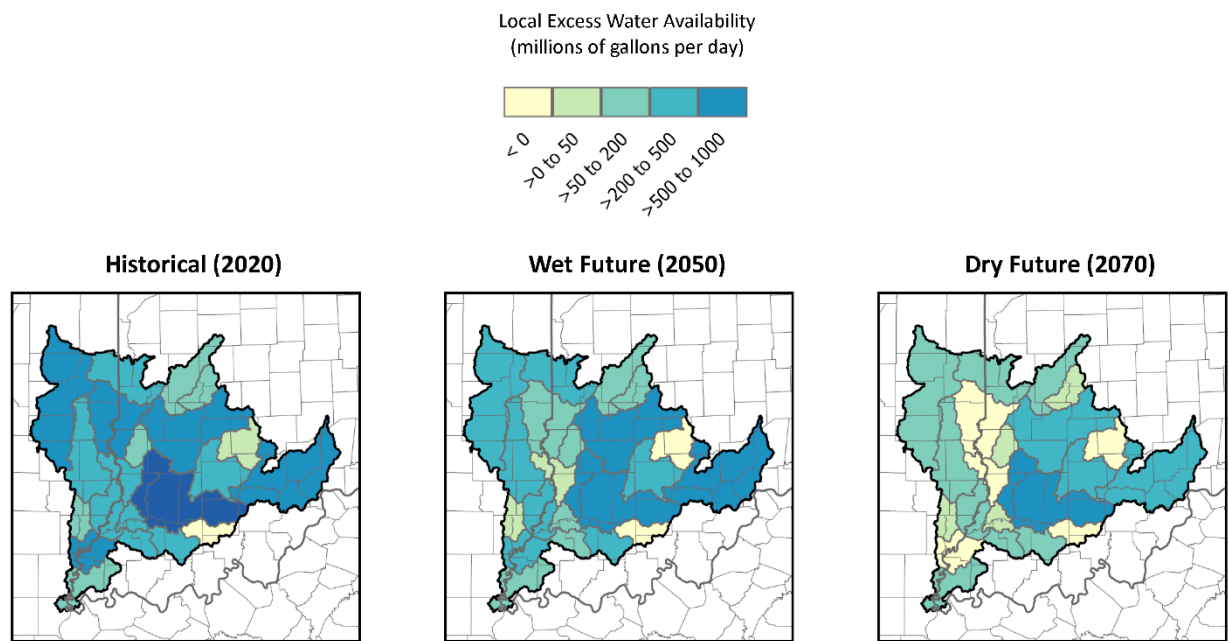


Figure H2-2. Maps of Historical and Future Annual Cumulative Water Availability (Qcea).

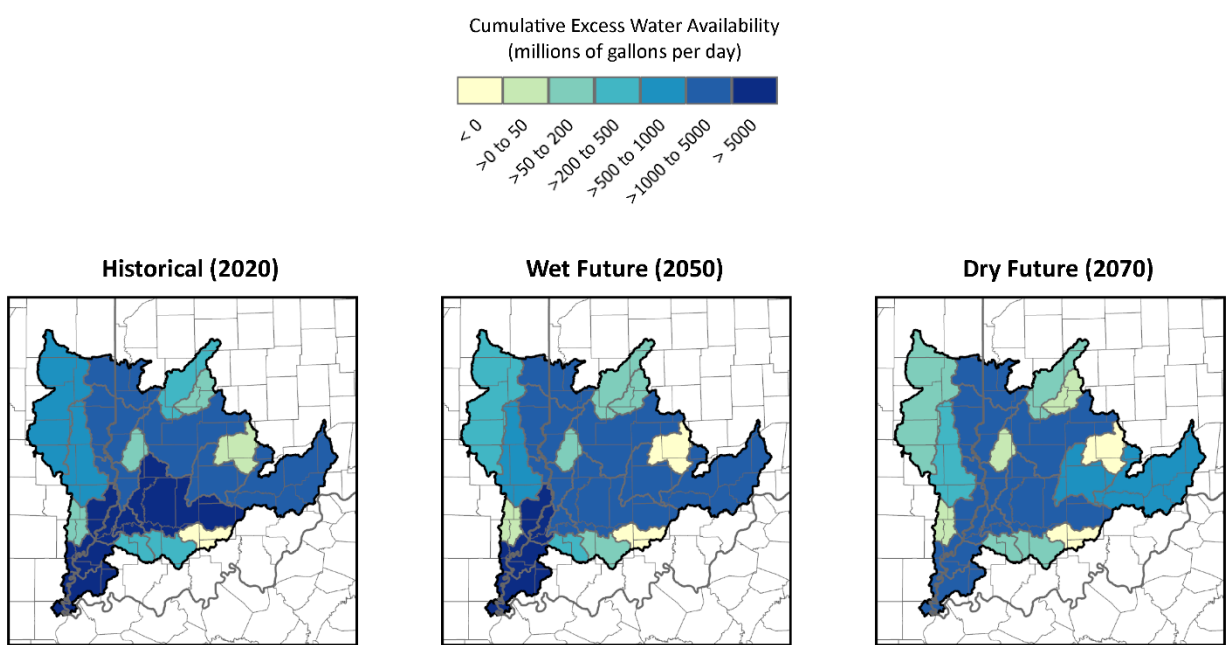


Figure H2-3. Maps of Historical and Future Seasonal Local Water Availability (Qea).

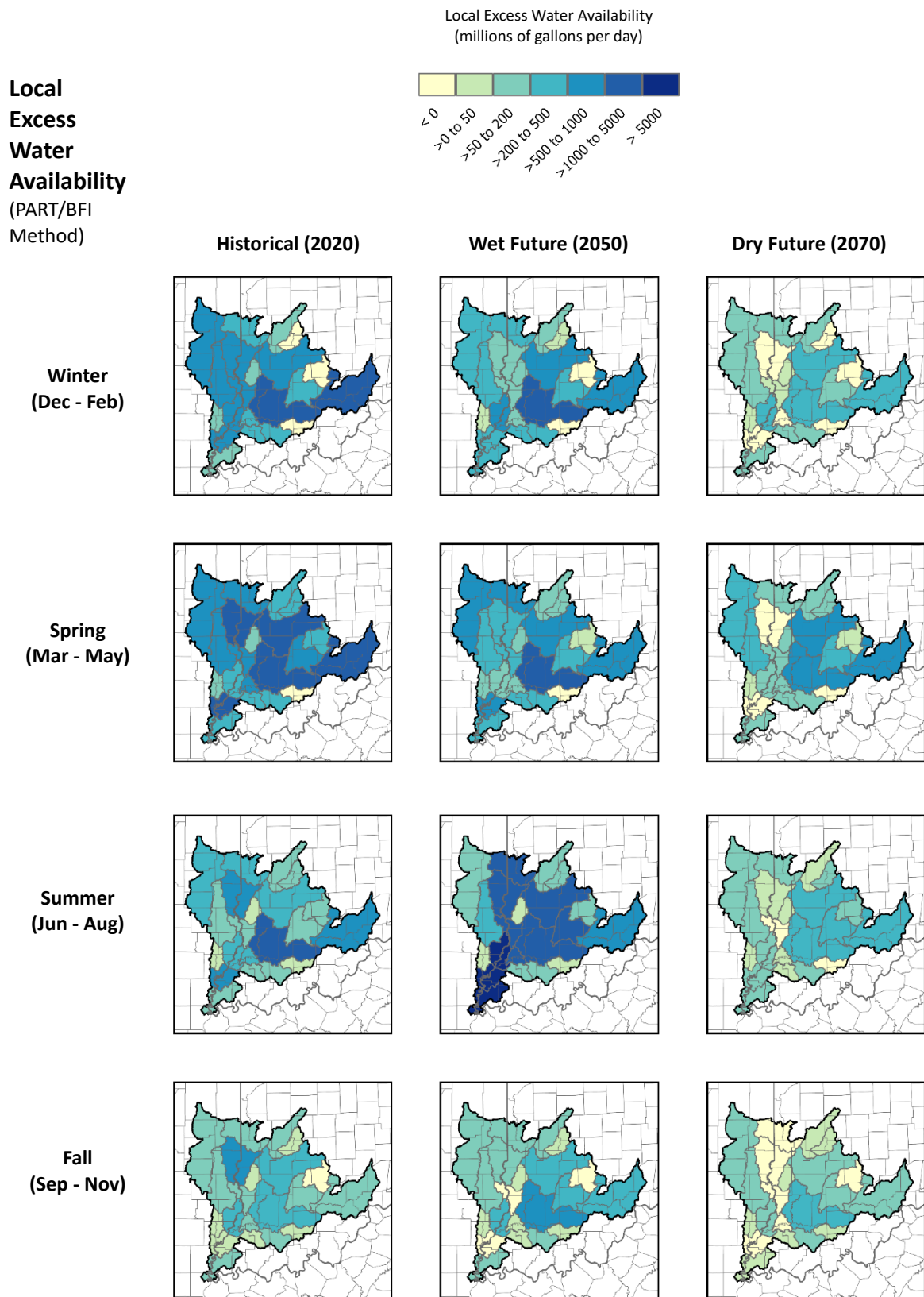
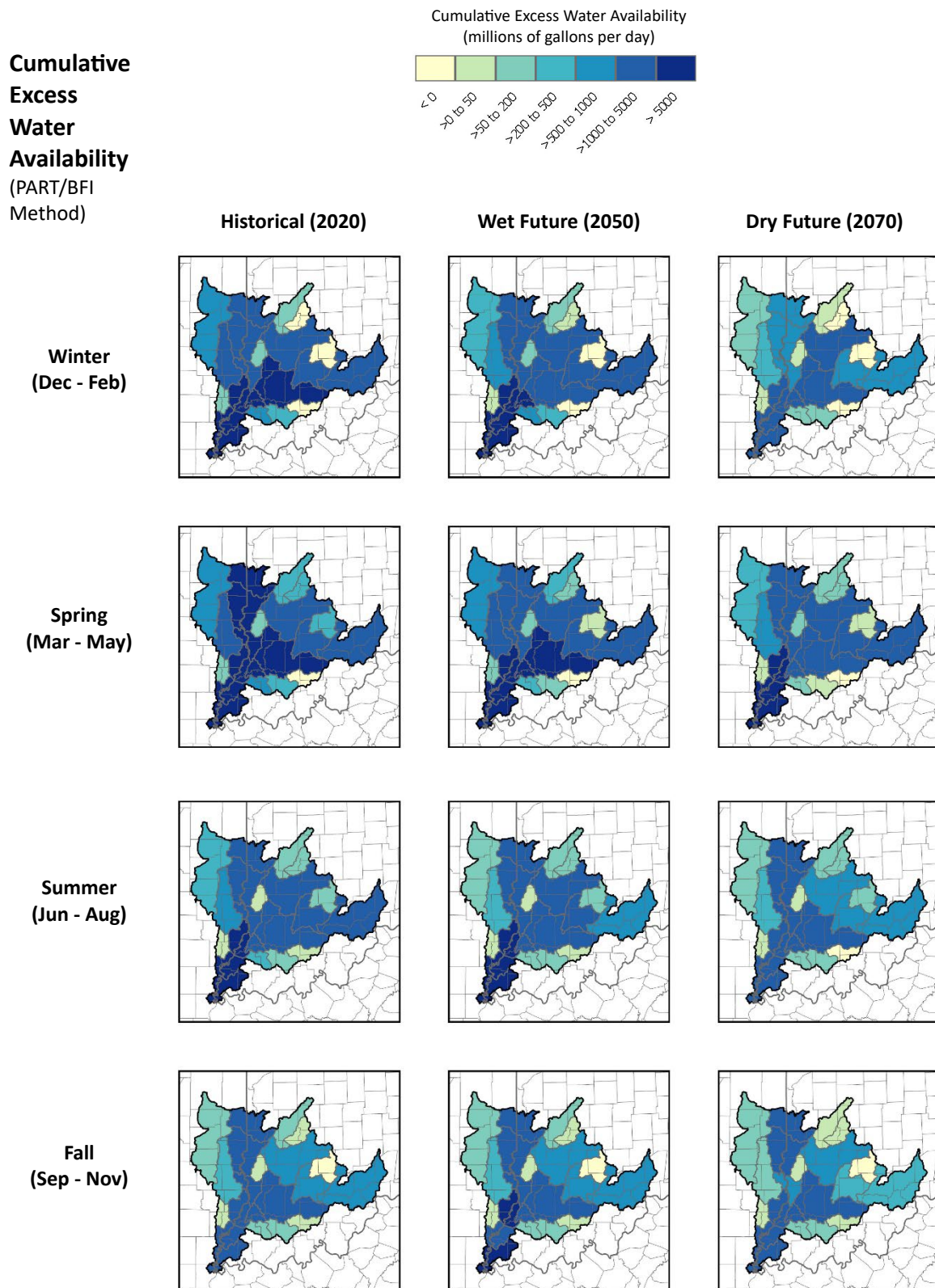


Figure H2-4. Maps of Historical and Future Seasonal Cumulative Water Availability (Qcea).



PART-Derived Baseflow: Local Availability

Historical (2020) versus Projected Future (2050)

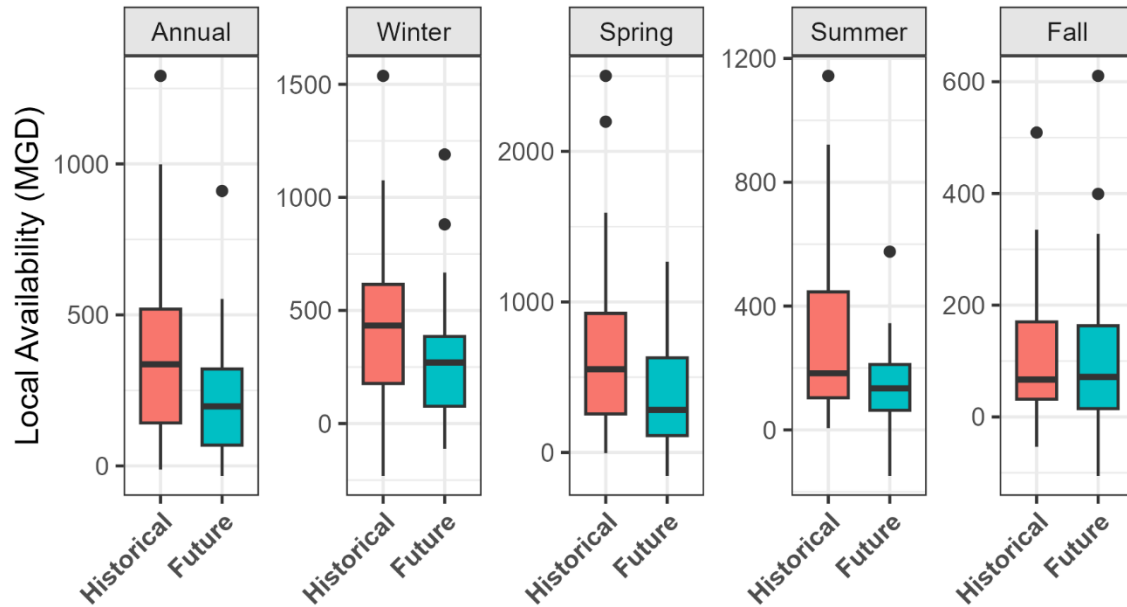


Figure H2-5. Comparison of five-year centered average **local excess water availability** for historical (2020) and **future wet (2050)** conditions across the 21 Southwest Indiana study subbasins. Natural baseflow used in the water-availability calculations was estimated using the **PART/BFI Method** implementation. Box-and-whisker plots summarize the distribution of local availability among subbasins for annual conditions and for Winter, Spring, Summer, and Fall. Each box represents the interquartile range (25th to 75th percentiles), with the horizontal line indicating the median; whiskers extend to values within 1.5 times the interquartile range. Historical and future values represent five-year centered averages, with 2020 representing the 2018–2022 historical period and 2050 representing the 2048–2052 future period under the NorESM2-LM SSP2-4.5 climate projection. **Local availability represents water available within an individual subbasin after accounting for locally generated natural baseflow, net water use, reservoir operations, and local instream-flow requirements.** Y-axis scales vary among panels to improve visualization of the within-season distributions and therefore should not be used to directly compare absolute magnitudes among seasons. Values are reported in million gallons per day (MGD).

PART-Derived Baseflow: Local Availability

Historical (2020) versus Projected Future (2070)

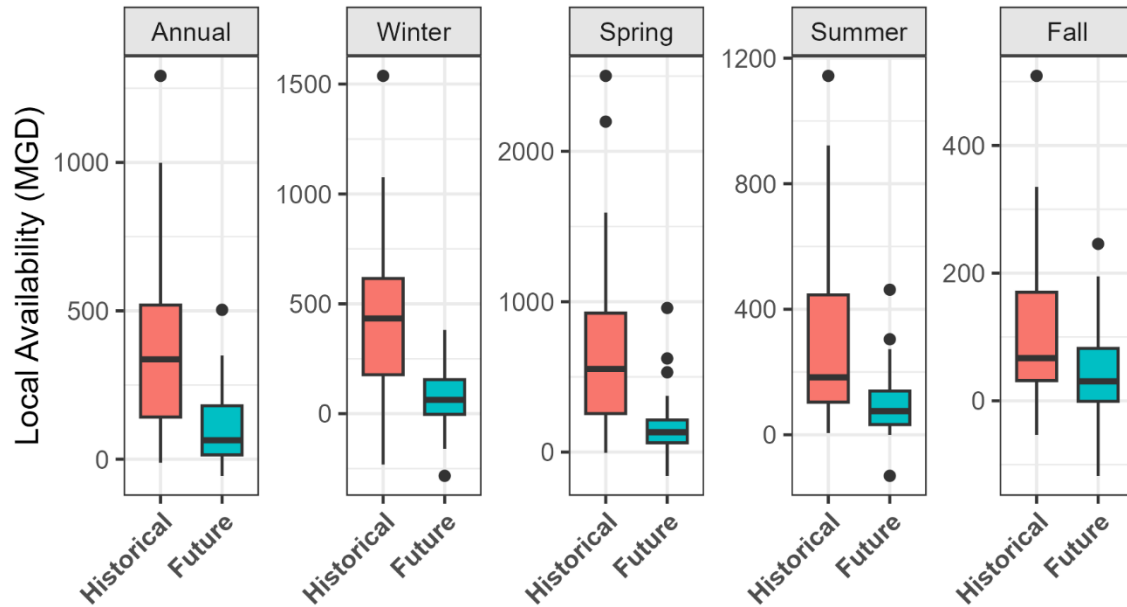


Figure H2-6. Comparison of five-year centered average **local excess water availability** for historical (2020) and **future dry (2070)** conditions across the 21 Southwest Indiana study subbasins. Natural baseflow used in the water-availability calculations was estimated using the **PART/BFI Method** implementation. Box-and-whisker plots summarize the distribution of local availability among subbasins for annual conditions and for Winter, Spring, Summer, and Fall. Each box represents the interquartile range (25th to 75th percentiles), with the horizontal line indicating the median; whiskers extend to values within 1.5 times the interquartile range. Historical and future values represent five-year centered averages, with 2020 representing the 2018–2022 historical period and 2070 representing the 2068–2072 future period under the NorESM2-LM SSP2-4.5 climate projection. **Local availability represents water available within an individual subbasin after accounting for locally generated natural baseflow, net water use, reservoir operations, and local instream-flow requirements.** Y-axis scales vary among panels to improve visualization of the within-season distributions and therefore should not be used to directly compare absolute magnitudes among seasons. Values are reported in million gallons per day (MGD).

PART-Derived Baseflow: Cumulative Availability

Historical (2020) versus Projected Future (2050)

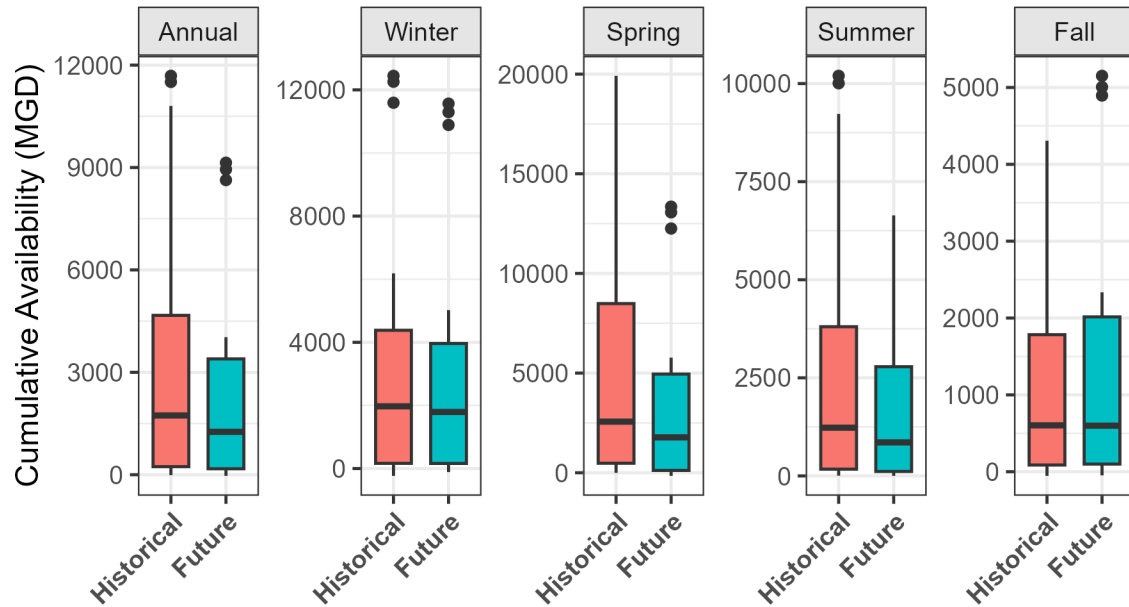


Figure H2-7. Comparison of five-year centered average **cumulative excess water availability** for historical (2020) and **future wet (2050)** conditions across the 21 Southwest Indiana study subbasins. Natural baseflow used in the water-availability calculations was estimated using the **PART/BFI Method** implementation. Box-and-whisker plots summarize the distribution of cumulative availability among subbasins for annual conditions and for Winter, Spring, Summer, and Fall. Each box represents the interquartile range (25th to 75th percentiles), with the horizontal line indicating the median; whiskers extend to values within 1.5 times the interquartile range. Historical and future values represent five-year centered averages, with 2020 representing the 2018–2022 historical period and 2050 representing the 2048–2052 future period under the NorESM2-LM SSP2-4.5 climate projection. **Cumulative availability represents water at each location after accounting for contributions and water-balance components accumulated from the upstream drainage network, together with the applicable instream-flow requirement.** Y-axis scales vary among panels to improve visualization of the within-season distributions and therefore should not be used to directly compare absolute magnitudes among seasons. Values are reported in million gallons per day (MGD).

PART-Derived Baseflow: Cumulative Availability

Historical (2020) versus Projected Future (2070)

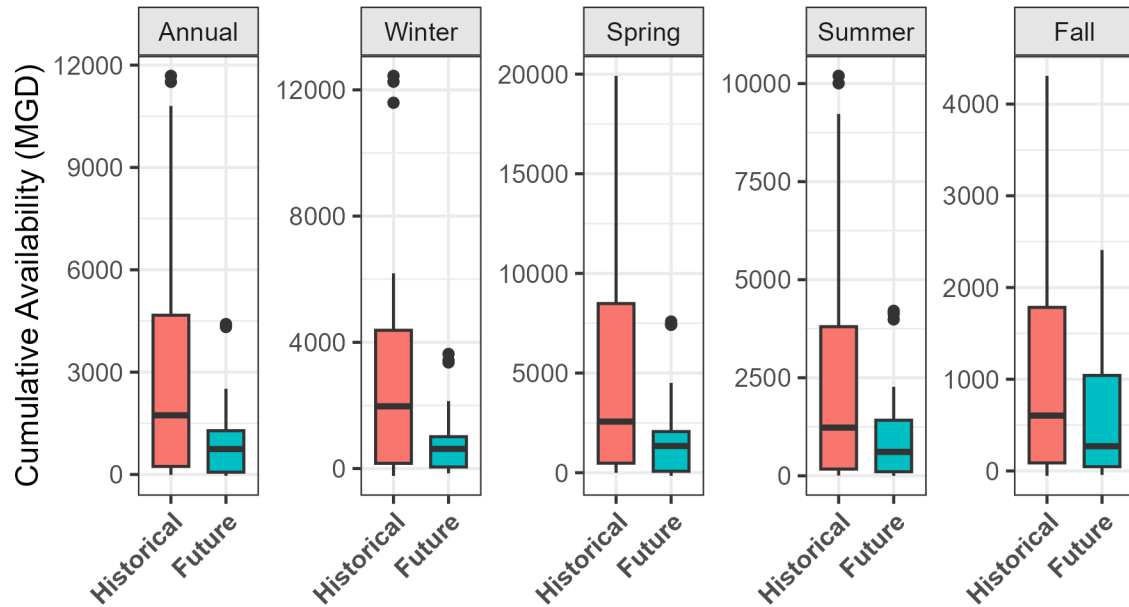


Figure H2-8. Comparison of five-year centered average **cumulative excess water availability** for historical (2020) and **future dry (2070)** conditions across the 21 Southwest Indiana study subbasins. Natural baseflow used in the water-availability calculations was estimated using the **PART/BFI Method** implementation. Box-and-whisker plots summarize the distribution of cumulative availability among subbasins for annual conditions and for Winter, Spring, Summer, and Fall. Each box represents the interquartile range (25th to 75th percentiles), with the horizontal line indicating the median; whiskers extend to values within 1.5 times the interquartile range. Historical and future values represent five-year centered averages, with 2020 representing the 2018–2022 historical period and 2070 representing the 2068–2072 future period under the NorESM2-LM SSP2-4.5 climate projection. **Cumulative availability represents water at each location after accounting for contributions and water-balance components accumulated from the upstream drainage network, together with the applicable instream-flow requirement.** Y-axis scales vary among panels to improve visualization of the within-season distributions and therefore should not be used to directly compare absolute magnitudes among seasons. Values are reported in million gallons per day (MGD).