



A vision for a more resilient Iowa

The Iowa Watershed Approach

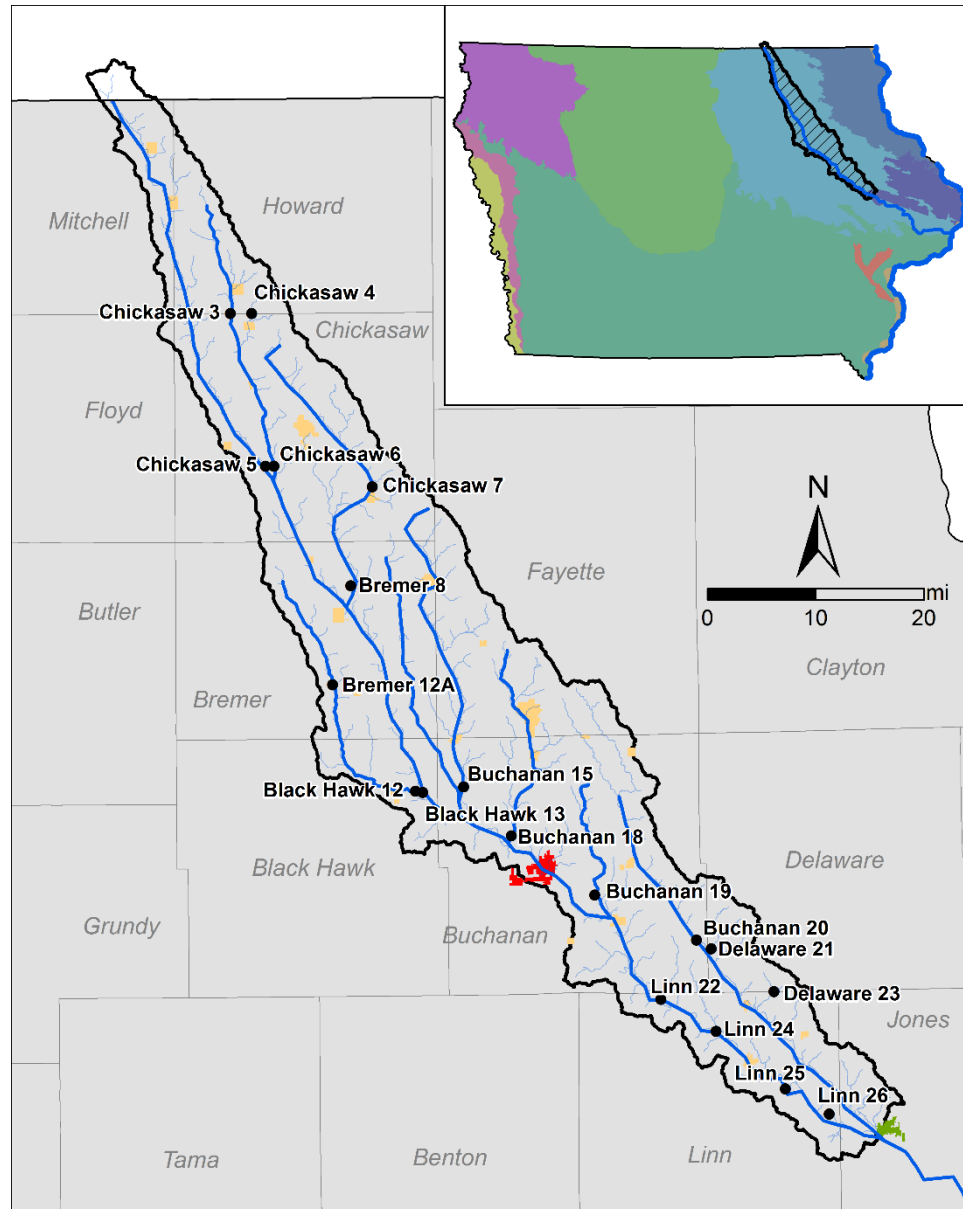
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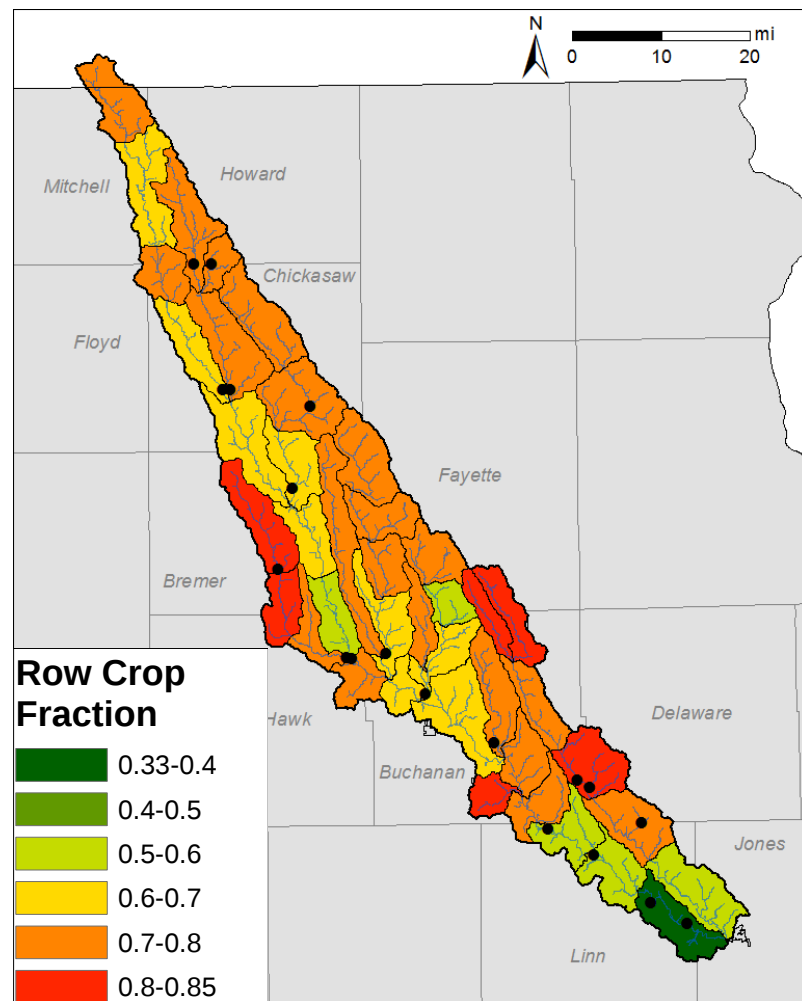
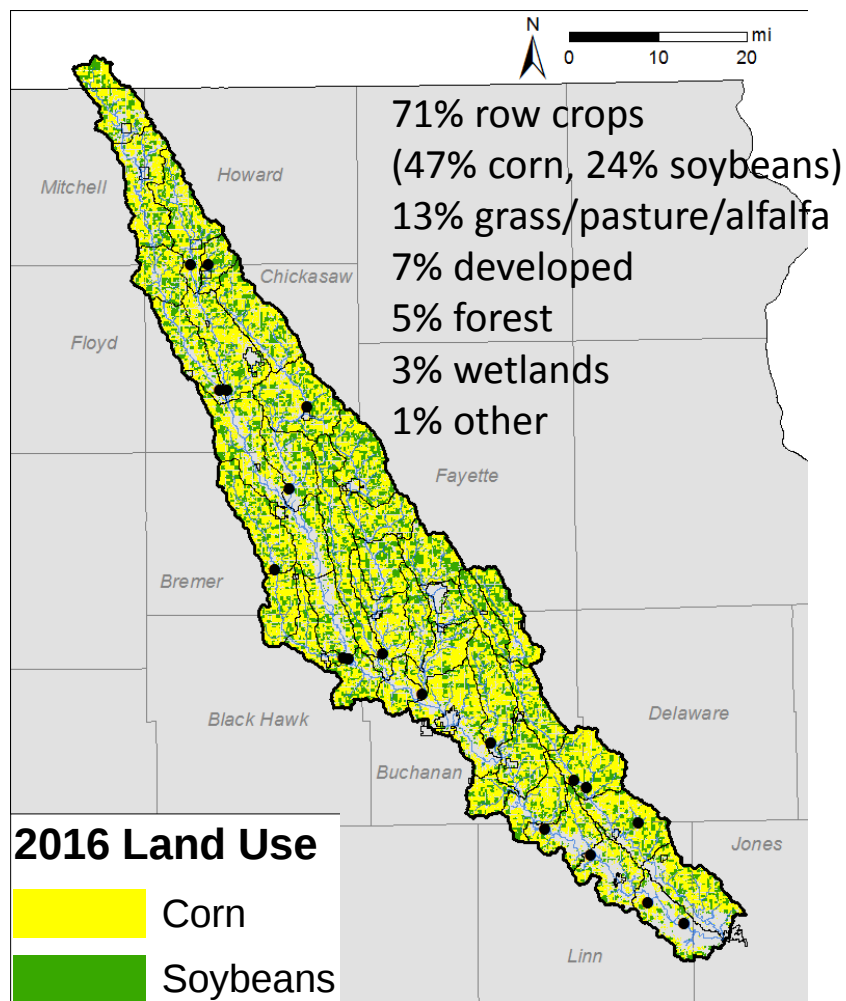
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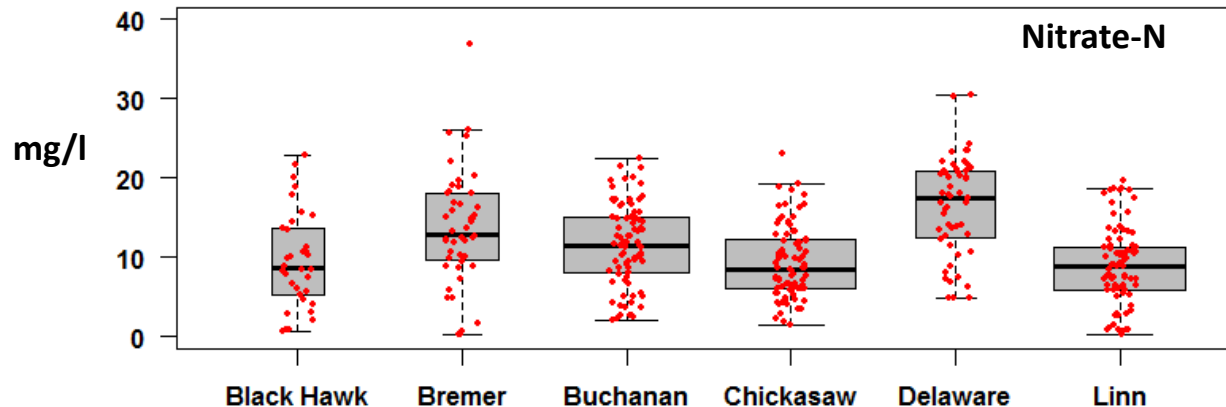


Land Use

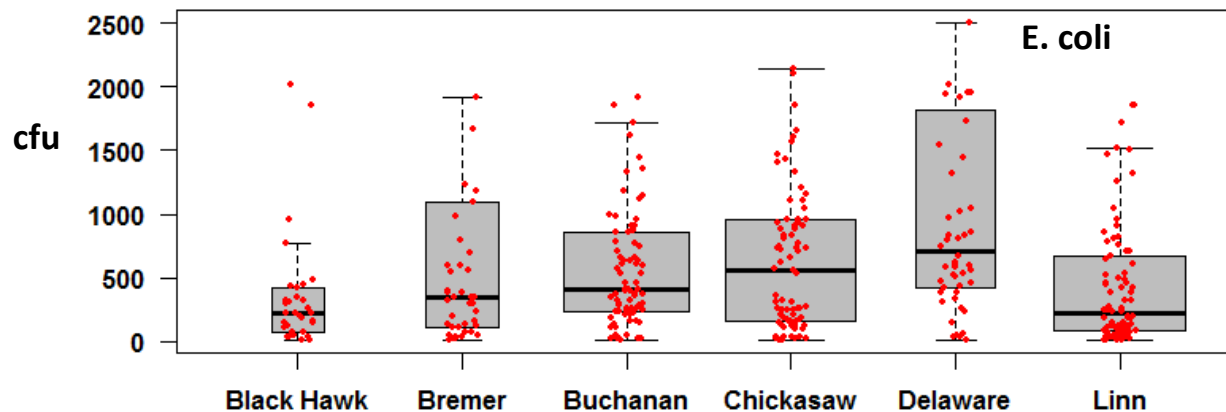


Water Quality Monitoring – 3-yr Summary (2015-2017)

	# Sites	# Samples	Avg Samples/Site	Cl	NO3-N	SO4	E coli	TSS	DRP-P	TP-P
2015 (May-Sep)	20	84	4.2	20.4	5.0	22.9	529	7.7	0.04	
2016 (Apr-Oct)	21	190	9.0	23.2	12.1	18.1	323	10.8	0.04	0.08
2017 (May-Jul)	23	113	4.9	17.6	10.2	14.5	491	17.2	0.05	0.11



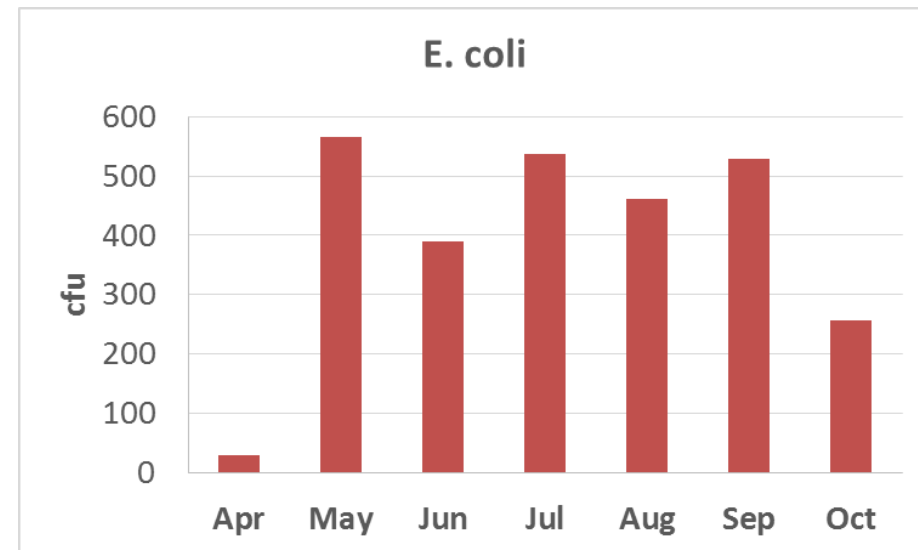
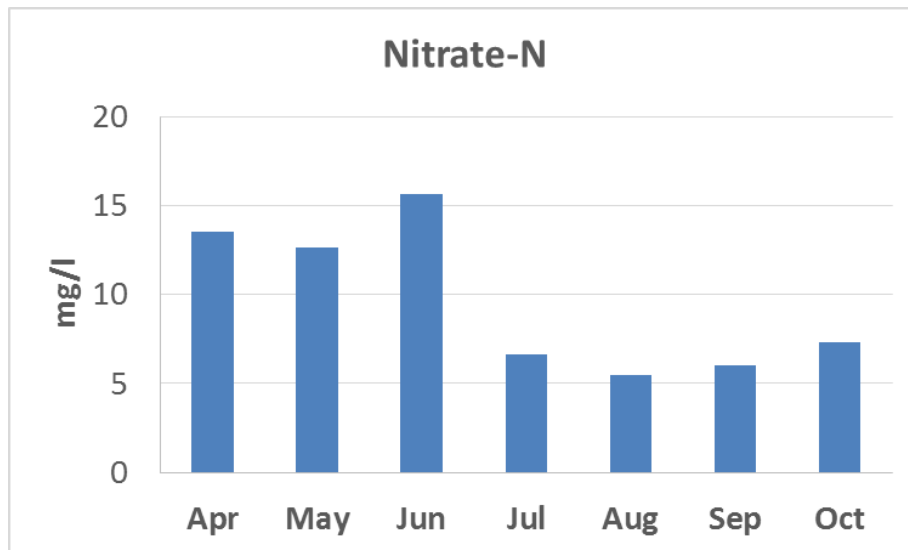
- 3-yr summaries
- Box widths proportional to sample size



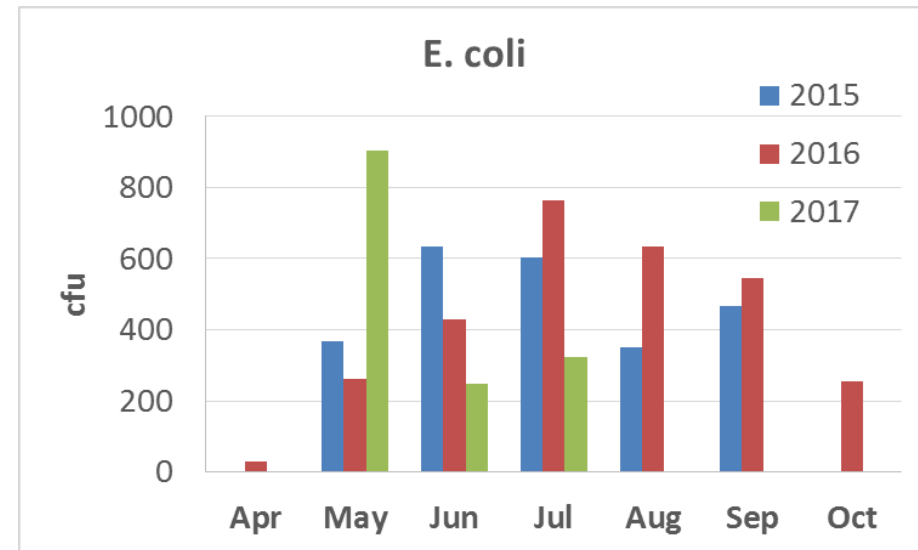
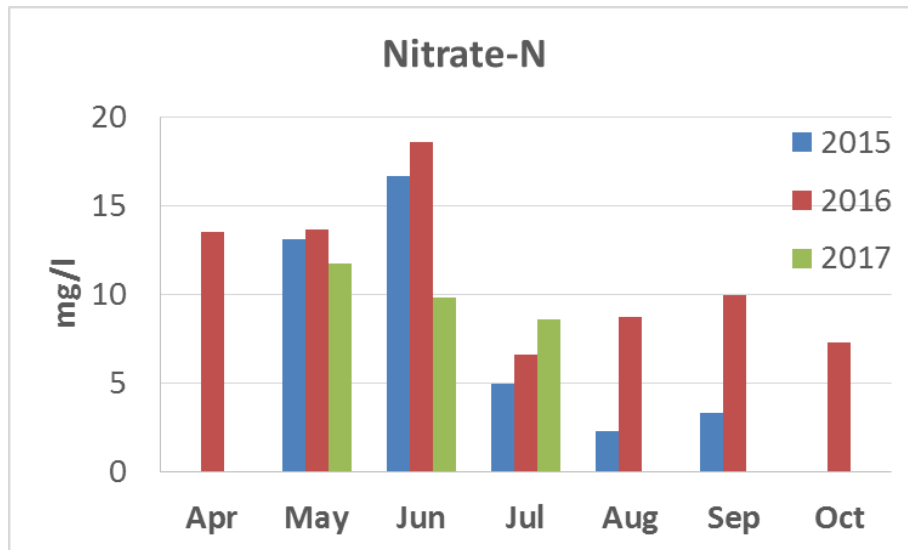
Water Quality Monitoring – 3-yr Monthly Summary

Month	Cl	NO3-N	SO4	E.coli	TSS	DRP	TP
Apr	24.5	13.5	19.7	28	7.2	0.02	0.07
May	23.2	12.6	15.7	566	13.5	0.03	0.08
Jun	22.0	15.7	15.4	389	21.0	0.05	0.10
Jul	18.7	6.6	20.8	538	11.8	0.04	0.11
Aug	19.5	5.4	20.1	462	14.1	0.05	0.13
Sep	18.6	6.0	17.2	529	10.0	0.06	0.16
Oct	17.9	7.3	19.4	256	4.0	0.03	0.08

Common data
period for all
3-yrs: May-Jul

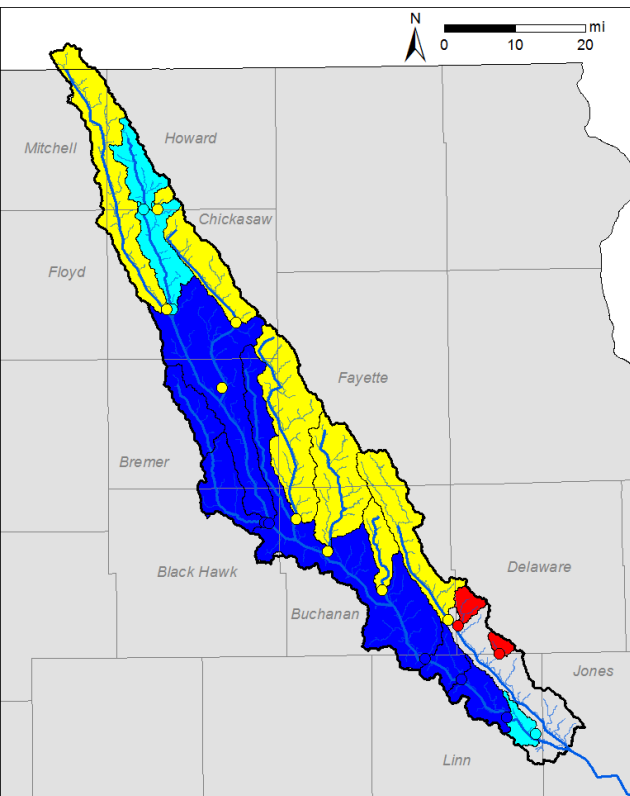


Water Quality Monitoring – Monthly Summary

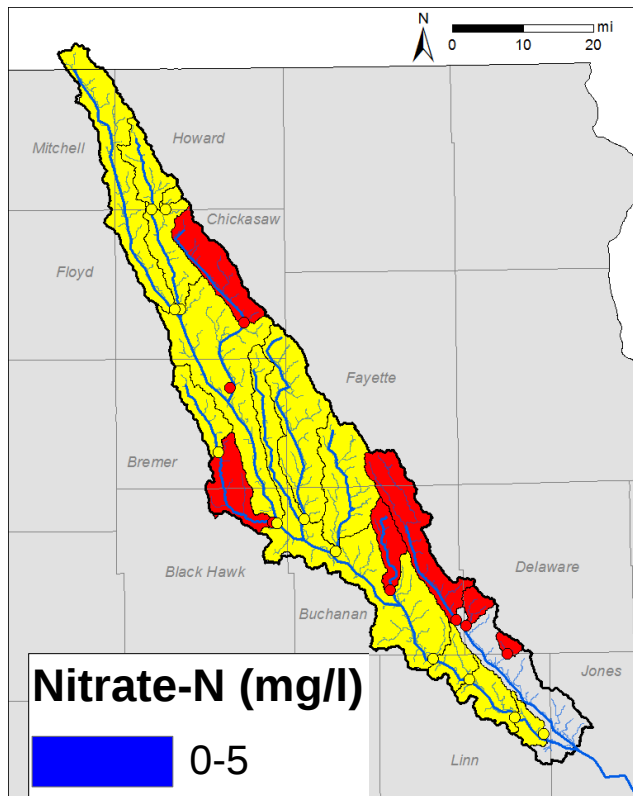


Water Quality Monitoring – Site Comparison (May-Jul)

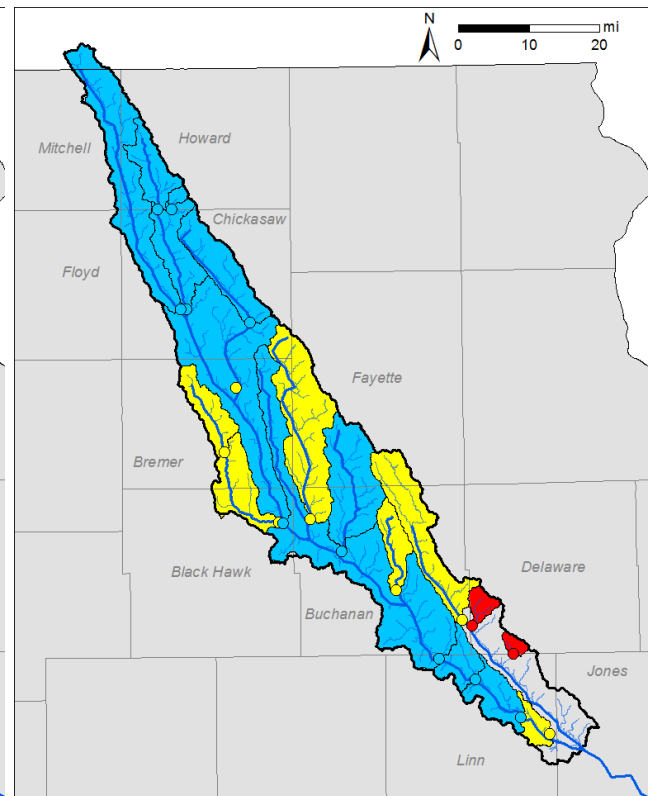
2015 (2.1-18.7 mg/l)



2016 (10.3-22.1 mg/l)



2017 (6.5-21.3 mg/l)

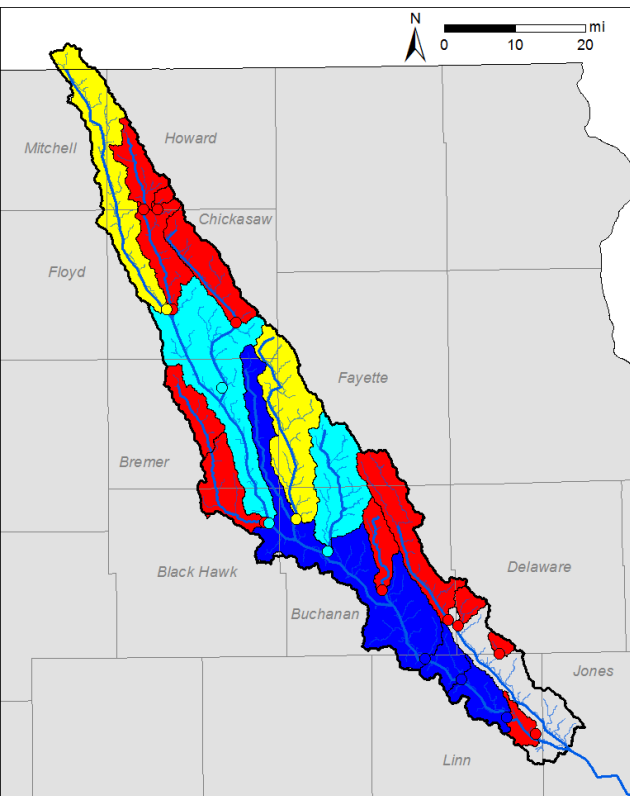


Nitrate-N (mg/l)

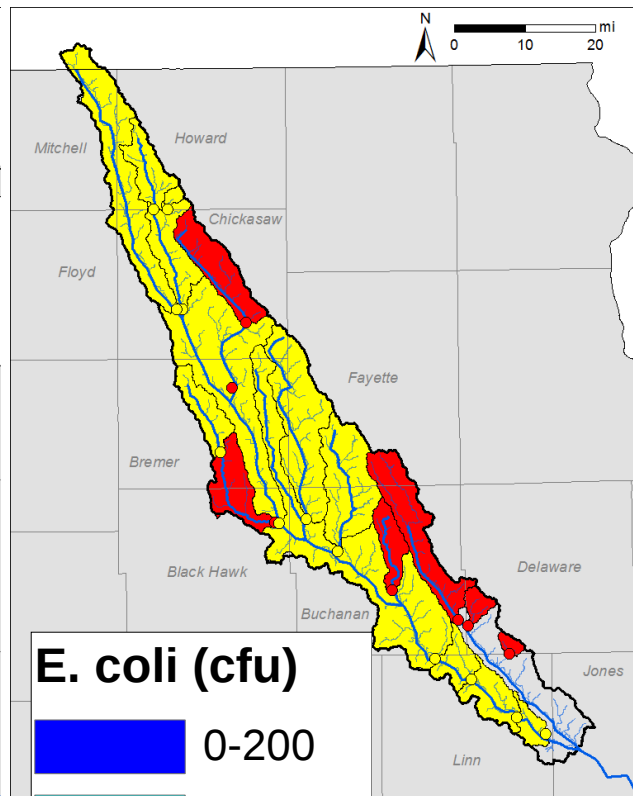


Water Quality Monitoring – Site Comparison (May-Jul)

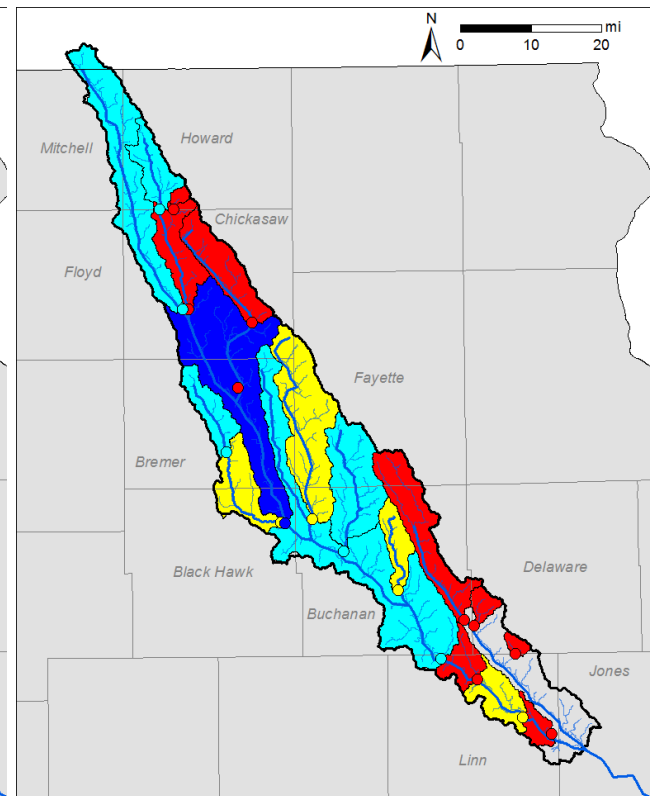
2015 (20-13192 cfu)



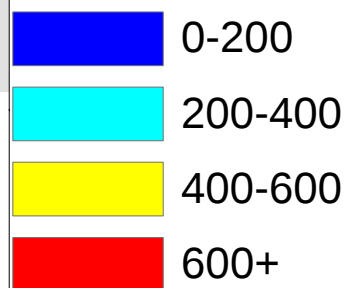
2016 (110-1956 cfu)



2017 (185-2495 cfu)



E. coli (cfu)





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