Table 9. Flow-weighted annual mean concentrations of TSS (mg/L) in intensive streams within the Lower Fox sub-basin. Concentrations less than 100 mg/L are in green and those greater than 300 mg/L are in red. Note the relatively low intra-annual variation for each stream, compared to annual yields listed in Table 5. As listed in the last two columns, the relative standard deviations of flow-weighted concentrations are lower than for yields (see also Table 5), both for individual streams (except Silver) and the combined average (48% compared to 77%). A standard deviation for only 3 values is normally not acceptable, but is useful for this particular comparative purpose.

	flow-weighted annual mean TSS concentrations (mg/L)																	Relative Std. Dev.	
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	TSS (mg/L)	TSS (t/ha)
Apple	289	81	134																***65%***	113%
Ashwaub-Creamery	256	179	65																***57%***	103%
Baird	201	85	102	101	89	35	75	71	59	41	76								***52%***	94%
Duck	104	76	27	48	44														***51%***	105%
East River	146	37	65	89															***55%***	93%
Mahon								93	68	37	63	65	49						***30%***	43%
Bower				162	333	90													***64%***	124%
Plum								385	485	424	818	394	524	361	618	526	609	814	***30%***	46%
Plum West											255	226	314	407	316	182	369	197	***29%***	49%
Silver											11	10	25	9	11	16	25	82	***104%***	75%
East ZZ									243	78	367	69	157	240	180	131	193	96	***52%***	57%
Wequiock																63	78	43	***28%***	67%
Ashwaub-Grant St																97	124	75	***25%***	54%
Dutchman-Hansen																66	105	64	***30%***	60%
																	average		***48%***	***77%***

Table 10. Flow-weighted annual mean concentrations of total phosphorus (mg/L) in intensively monitored streams within the Lower Fox sub-basin. Concentrations less than 0.25 mg/L are in green and those greater than 0.50 mg/L are in red. Note the relatively low intra-annual variation for each stream, compared to annual yields listed in Table 6. As listed in the last two columns, the relative standard deviations of flow-weighted concentrations are much lower than for yields (see also Table 6), both for individual streams and the combined average (21% compared to 59%). A standard deviation for only 3 values is normally not acceptable, but is useful for this particular comparative purpose.

	flow-weighted annual mean total phosphorus concentrations (mg/L)																	Relative Std. Dev.	
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	TP (mg/L)	TP (kg/ha)
Apple	0.59	0.41	0.42																***22%***	78%
Ashwaub-Creamery	0.73	0.72	0.52																***18%***	70%
Baird	0.64	0.46	0.42	0.43	0.45	0.35	0.50	0.30	0.33	0.30	0.48								***24%***	58%
Duck	0.38	0.40	0.30	0.25	0.23														***25%***	72%
East River	0.48	0.27	0.33	0.34															***26%***	66%
Mahon								0.29	0.14	0.14	0.16	0.25	0.15						***33%***	45%
Bower				0.78	0.89	0.46													***31%***	95%
Plum								0.76	0.85	0.84	1.31	0.90	0.96	0.82	1.16	0.89	1.14	1.27	***20%***	41%
Plum West											0.52	0.75	0.82	1.00	0.96	0.79	1.00	0.91	***19%***	47%
Silver											0.15	0.16	0.14	0.16	0.22	0.24	0.20	0.26	***25%***	66%
East ZZ									0.56	0.41	0.74	0.42	0.58	0.66	0.65	0.53	0.70	0.55	***19%***	51%
Wequiock																0.27	0.33	0.25	***15%***	61%
Ashwaub-Grant St																0.39	0.42	0.43	***5%***	35%
Dutchman-Hansen																0.29	0.36	0.32	***10%***	45%
																	average		***21%***	**59%**

Table 11. Flow-weighted annual mean concentrations of dissolved phosphorus (mg/L) in intensively monitored streams within the Lower Fox sub-basin. Concentrations less than 0.15 mg/L are in green and those greater than 0.35 mg/L are in red. Note the relatively low intra-annual variation for each stream, compared to annual yields listed in Table 7. As listed in the last two columns, the relative standard deviations of flow-weighted concentrations are much lower than for yields (see also Table 7), both for individual streams and the combined average (16% compared to 49%). A standard deviation for only 3 values is normally not acceptable, but is useful for this particular comparative purpose.

	flow-weighted annual mean dissolved phosphorus concentrations (mg/L)																		Relative Std. Dev.	
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	DP (mg/L)	DP (kg/ha)
Apple	0.19	0.24	0.20																***12%***	48%
Ashwaub-Creamery	0.32	0.41	0.33																***14%***	51%
Baird	0.26	0.23	0.21	0.20	0.22	0.22	0.27	0.17	0.18	0.19	0.26								***15%***	46%
Duck	0.18	0.21	0.18	0.14	0.13														***21%***	62%
East River	0.19	0.13	0.15	0.14															***19%***	59%
Mahon																				
Bower																				
Plum								0.22	0.26	0.26	0.28	0.32	0.28	0.27	0.31	0.26	0.30	0.28	***10%***	37%
Plum West											0.25	0.40	0.38	0.43	0.45	0.47	0.44	0.54	***20%***	50%
Silver											0.10	0.11	0.09	0.11	0.15	0.17	0.13	0.14	***21%***	70%
East ZZ									0.20	0.22	0.24	0.24	0.28	0.32	0.34	0.31	0.21	0.33	***20%***	52%
Wequiock																				
Ashwaub-Grant St																0.25	0.24	0.32	***17%***	25%
Dutchman-Hansen																0.20	0.20	0.24	***11%***	36%
																	average		***16%***	**49%**