

Partnership for the Saginaw Bay Watershed

Saginaw Bay Watershed Phosphorus Pollution Loading Analysis

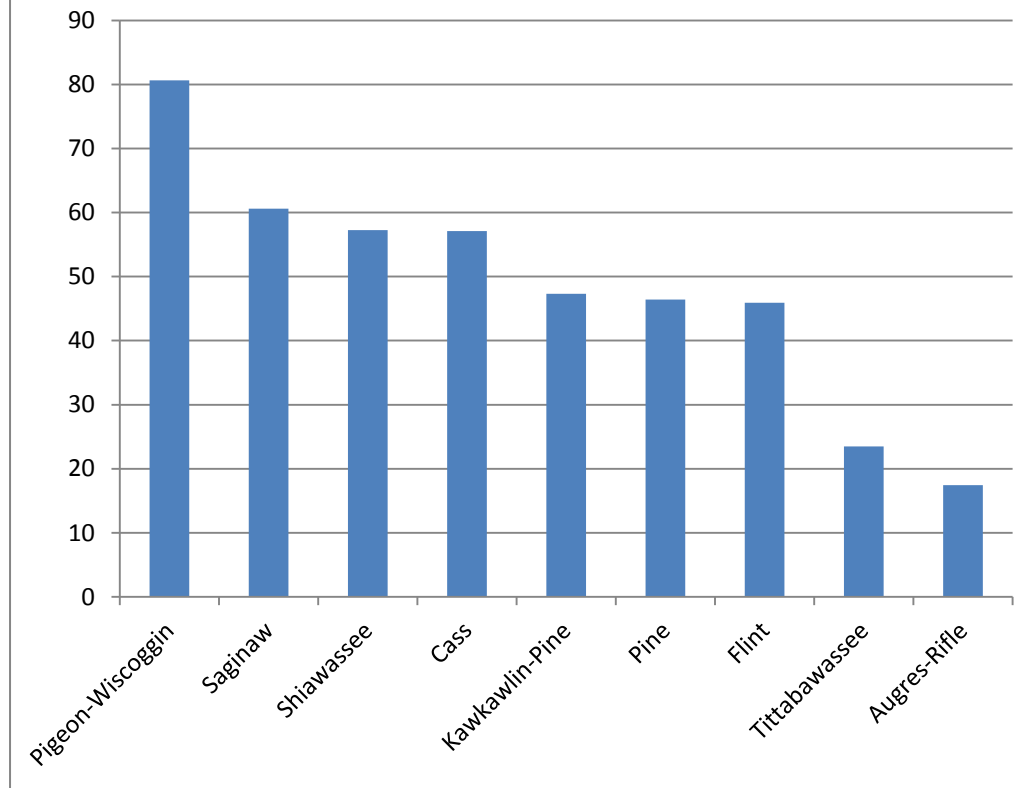


June 2014

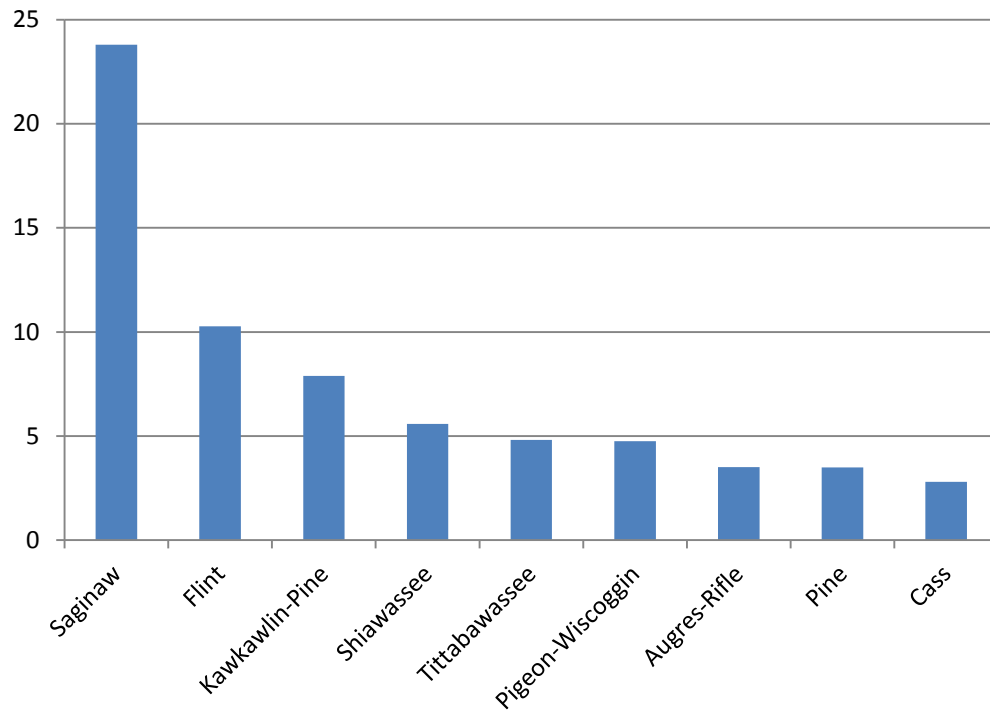
Saginaw Bay Watershed
Phosphorus Pollution Loading Analysis

Watershed		Area					Phosphorus Loading								
		Total	Developed		Agricultural		Mass						Rate		
Name	HUC		ac	ac	%	ac	%	All			Ag			lb/ac/yr	lb/ac/yr
		lb/yr						lb/yr	%	lb/yr	%				
Augres-Rifle	04080101	655,497	23,022	4	114,260	17	74,892	23,833	32	48,987	65	0.114	1.035	0.429	
Kawkawlin-Pine	04080102	310,513	24,475	8	146,990	47	170,983	35,106	21	134,269	79	0.551	1.434	0.913	
Pigeon-Wiscoggin	04080103	576,028	27,346	5	464,494	81	502,409	44,044	9	456,833	91	0.872	1.611	0.984	
Tittabawassee	04080201	926,265	44,641	5	217,732	24	169,286	51,909	31	114,362	68	0.183	1.163	0.525	
Pine	04080202	656,301	22,932	3	304,593	46	166,754	22,564	14	142,859	86	0.254	0.984	0.469	
Shiawassee	04080203	809,908	45,256	6	463,827	57	418,156	62,599	15	352,765	84	0.516	1.383	0.761	
Flint	04080204	851,414	87,430	10	390,784	46	306,625	101,893	33	201,293	66	0.360	1.165	0.515	
Cass	04080205	580,954	16,242	3	331,762	57	220,917	19,917	9	199,704	90	0.380	1.226	0.602	
Saginaw	04080206	160,764	38,257	24	97,465	61	141,263	44,575	32	95,926	68	0.879	1.165	0.984	
Saginaw Bay Watershed		5,527,642	329,601	6	2,531,907	46	2,171,284	406,440	19	1,746,998	80	0.393	1.233	0.690	
Average		614,182	36,622	7	281,323	48	241,254	45,160	22	194,111	77	0.457	1.241	0.687	
Median		655,497	27,346	5	304,593	47	170,983	44,044	21	142,859	79	0.380	1.165	0.602	
75th Percentile		809,908	44,641	8	390,784	57	306,625	51,909	32	201,293	86	0.551	1.383	0.913	
Minimum		160,764	16,242	3	97,465	17	74,892	19,917	9	48,987	65	0.114	0.984	0.429	
Maximum		926,265	87,430	24	464,494	81	502,409	101,893	33	456,833	91	0.879	1.611	0.984	

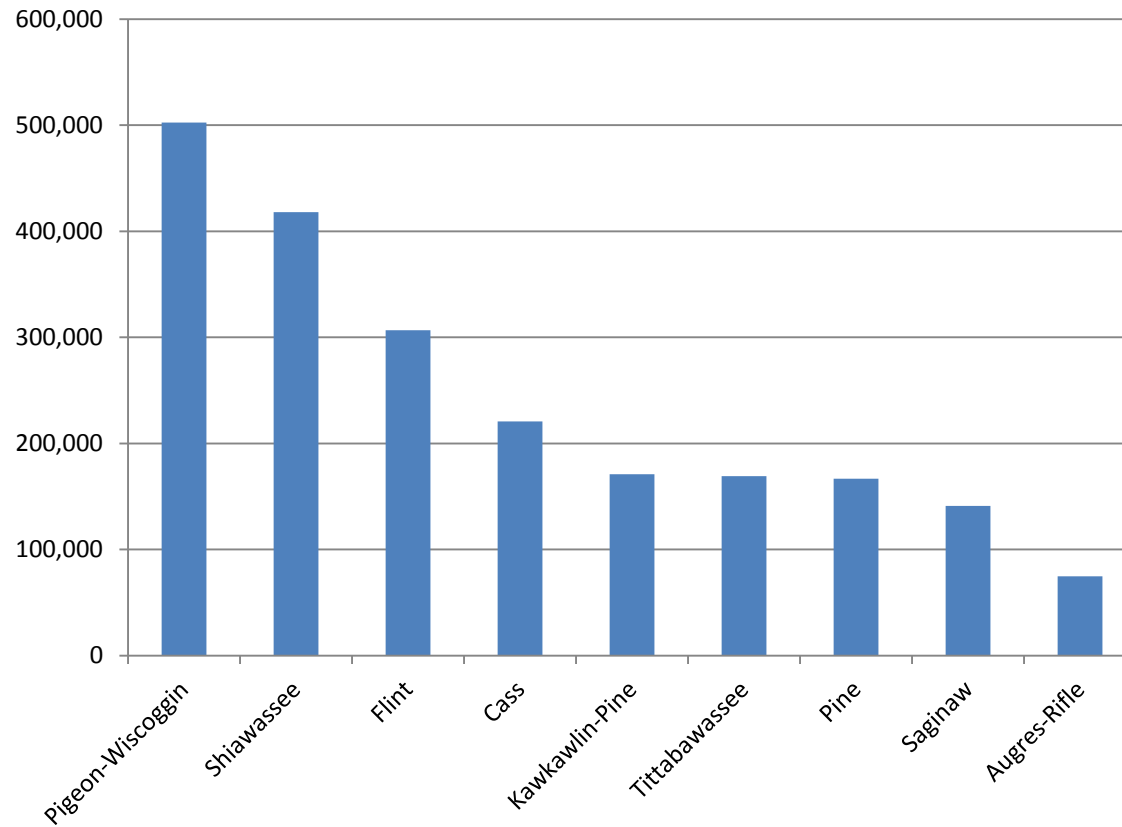
Saginaw Bay HUC8 Watershed % Agricultural Land



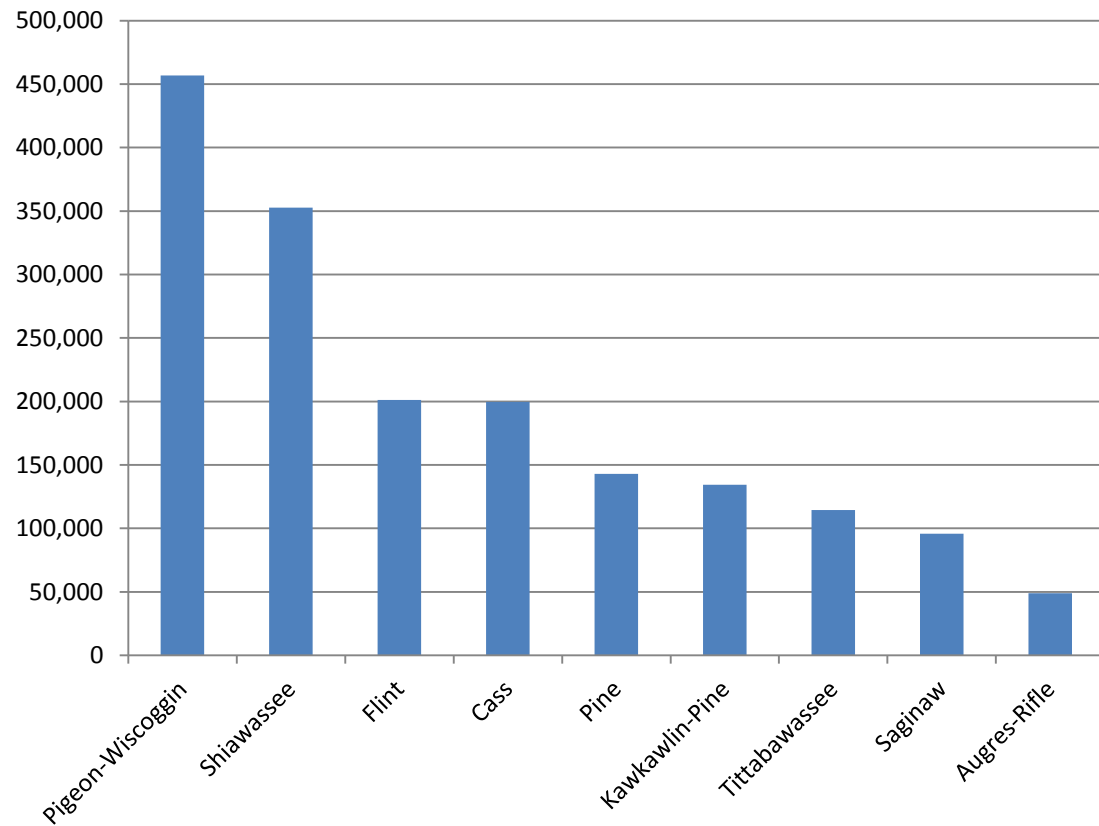
Saginaw Bay HUC8 Watershed % Developed Land



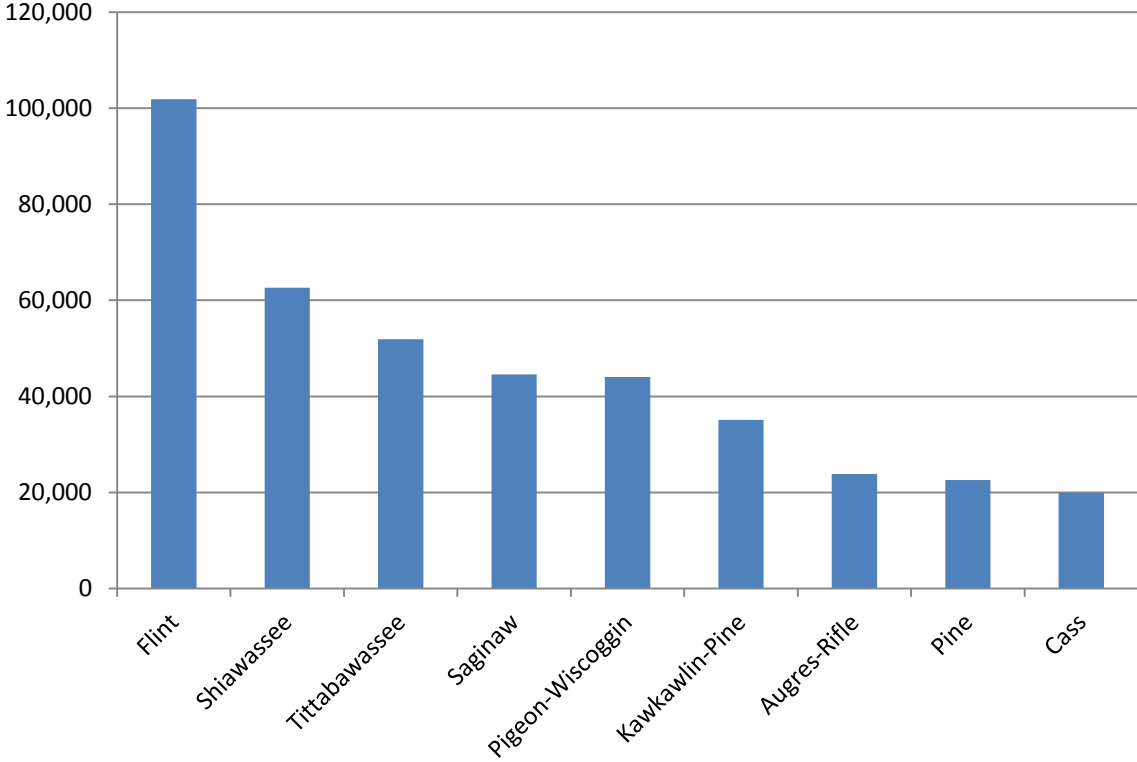
Saginaw Bay HUC8 Watershed Phosphorus Loading - All Land Uses (lb/yr)



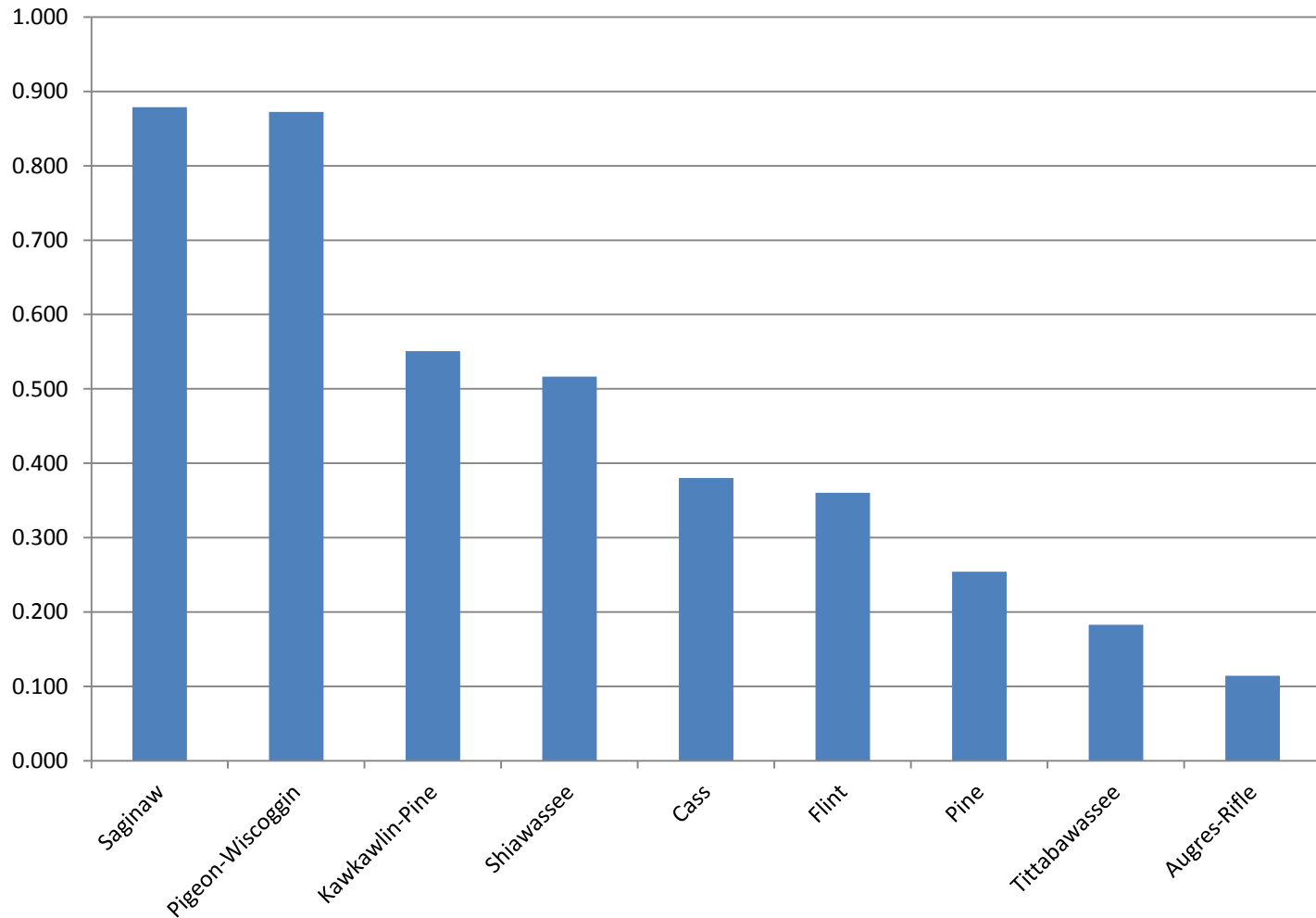
Saginaw Bay HUC8 Watershed Phosphorus Loading - Agriculture (lb/yr)



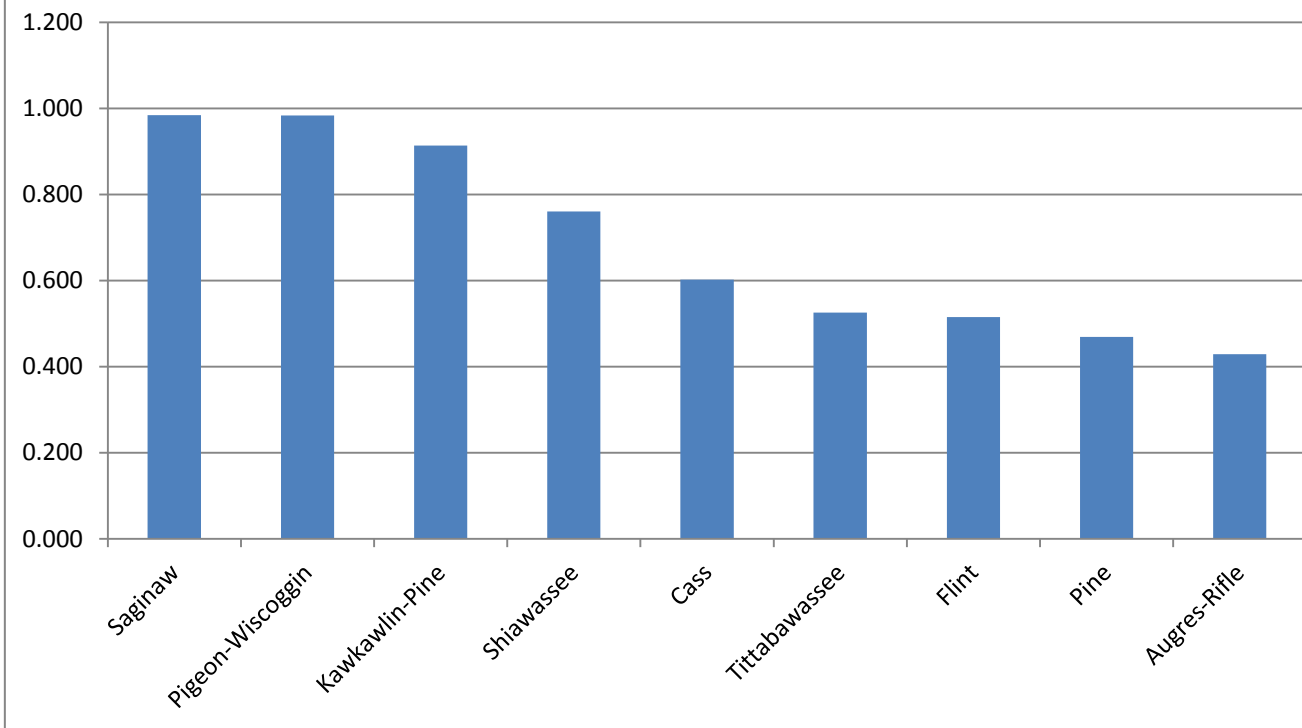
Saginaw Bay HUC8 Watershed Phosphorus Loading - Development (lb/yr)



Saginaw Bay HUC8 Watershed Phosphorus Loading Rate - All Land Uses (lb/ac/yr)



Saginaw Bay HUC8 Watershed Phosphorus Loading Rate - Agriculture (lb/ac/yr)



Saginaw Bay HUC8 Watershed Phosphorus Loading Rate - Development (lb/ac/yr)

