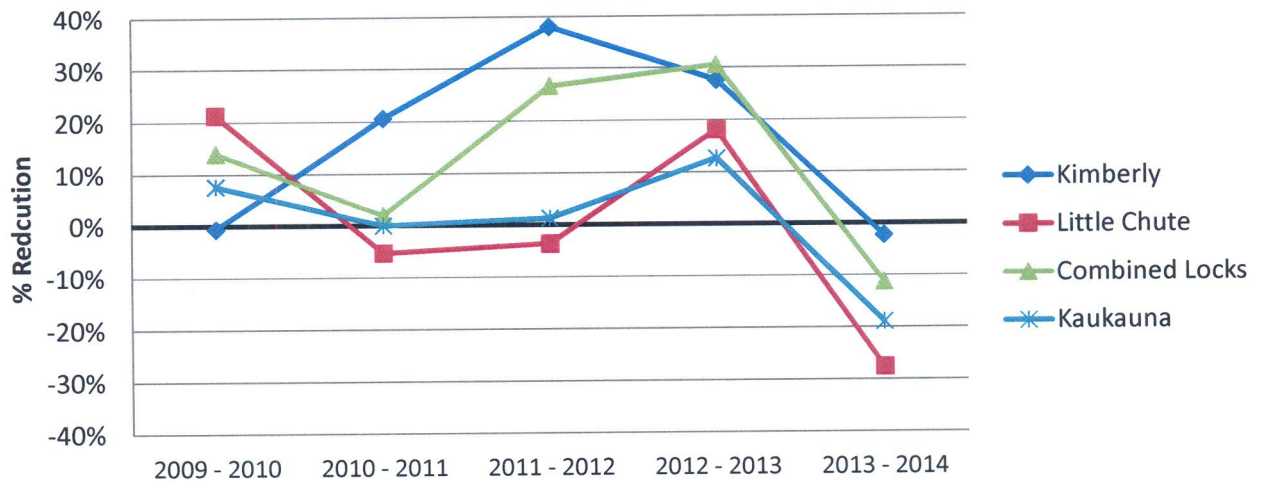
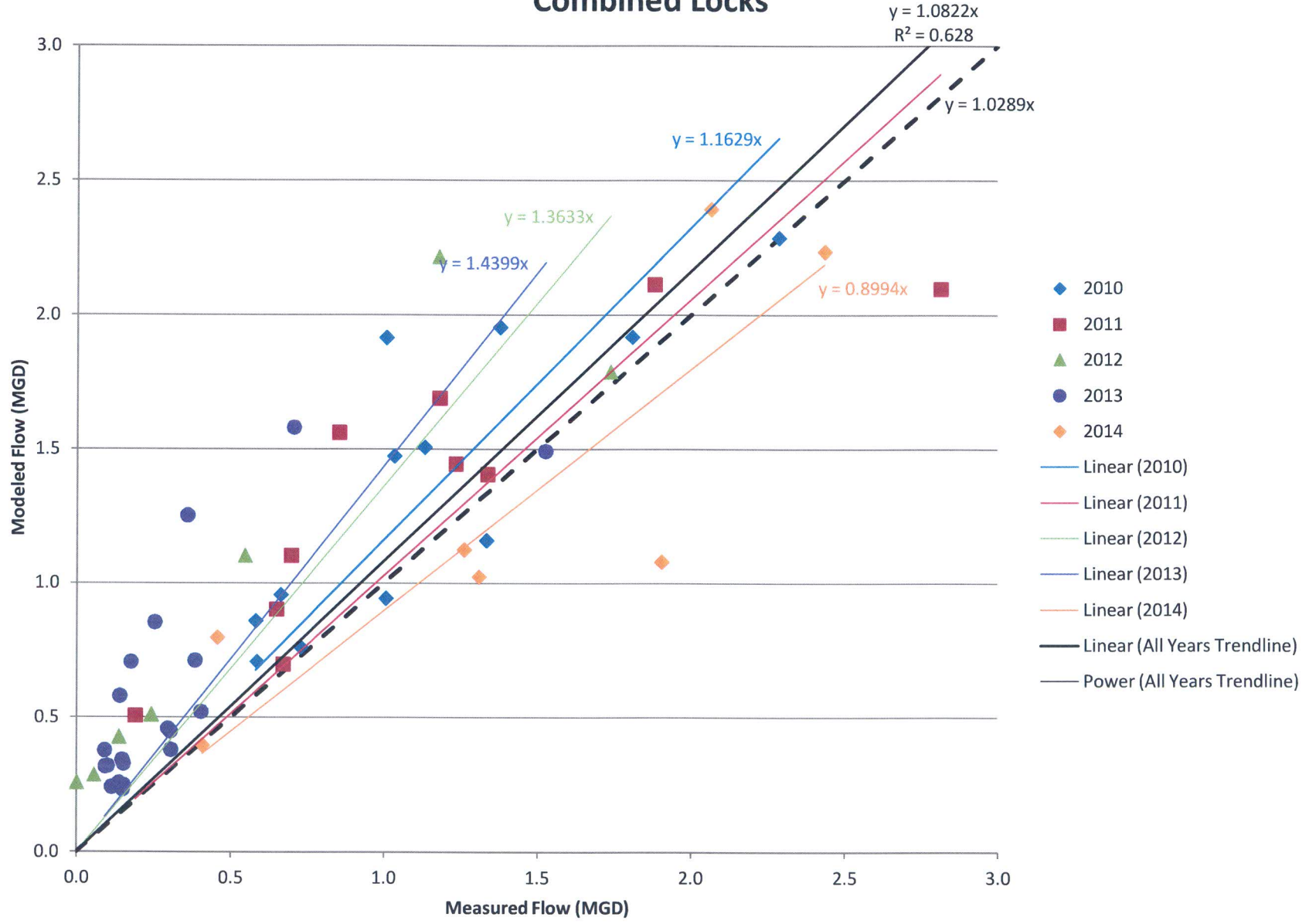


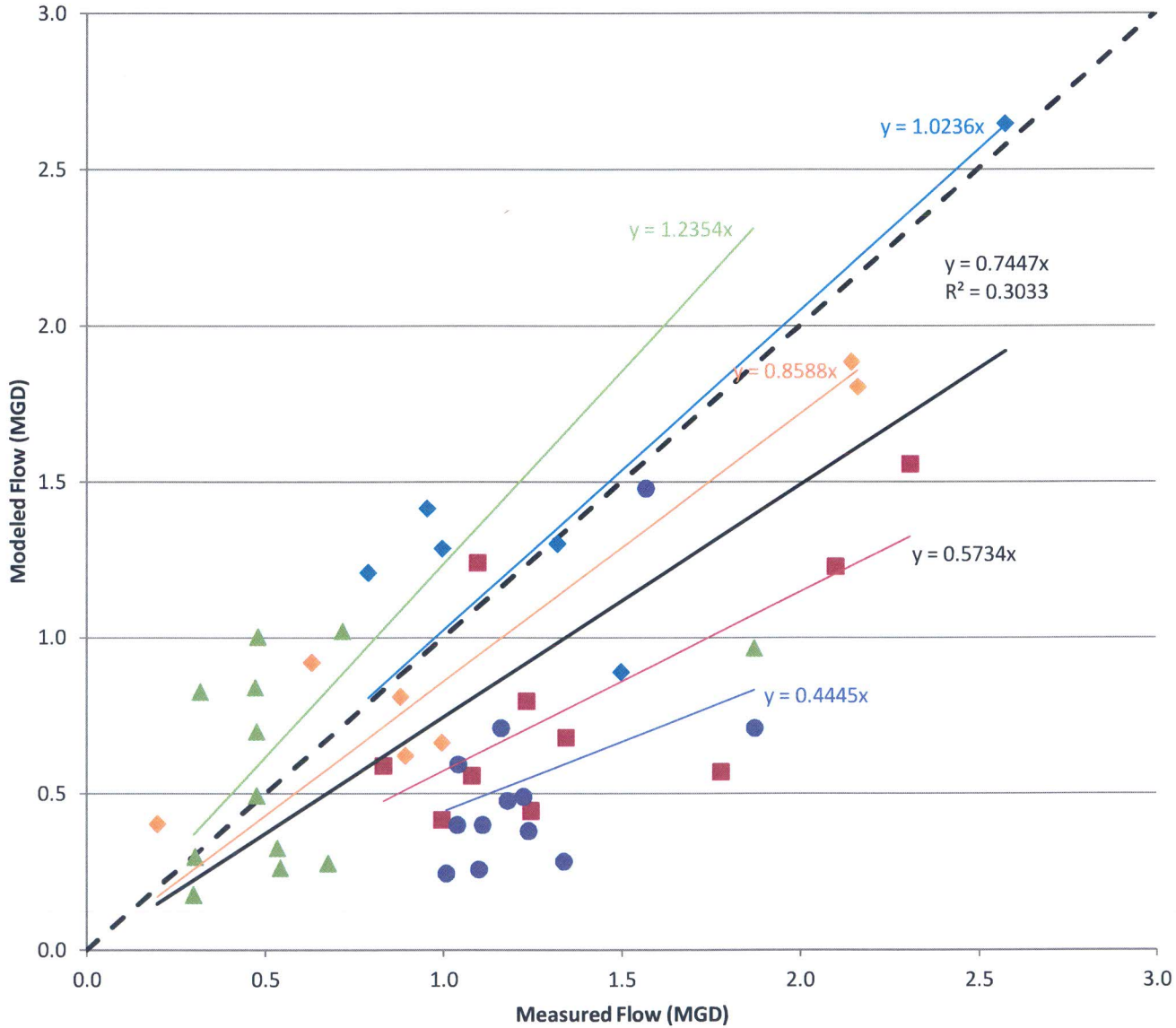
% Peak Flow Reduction



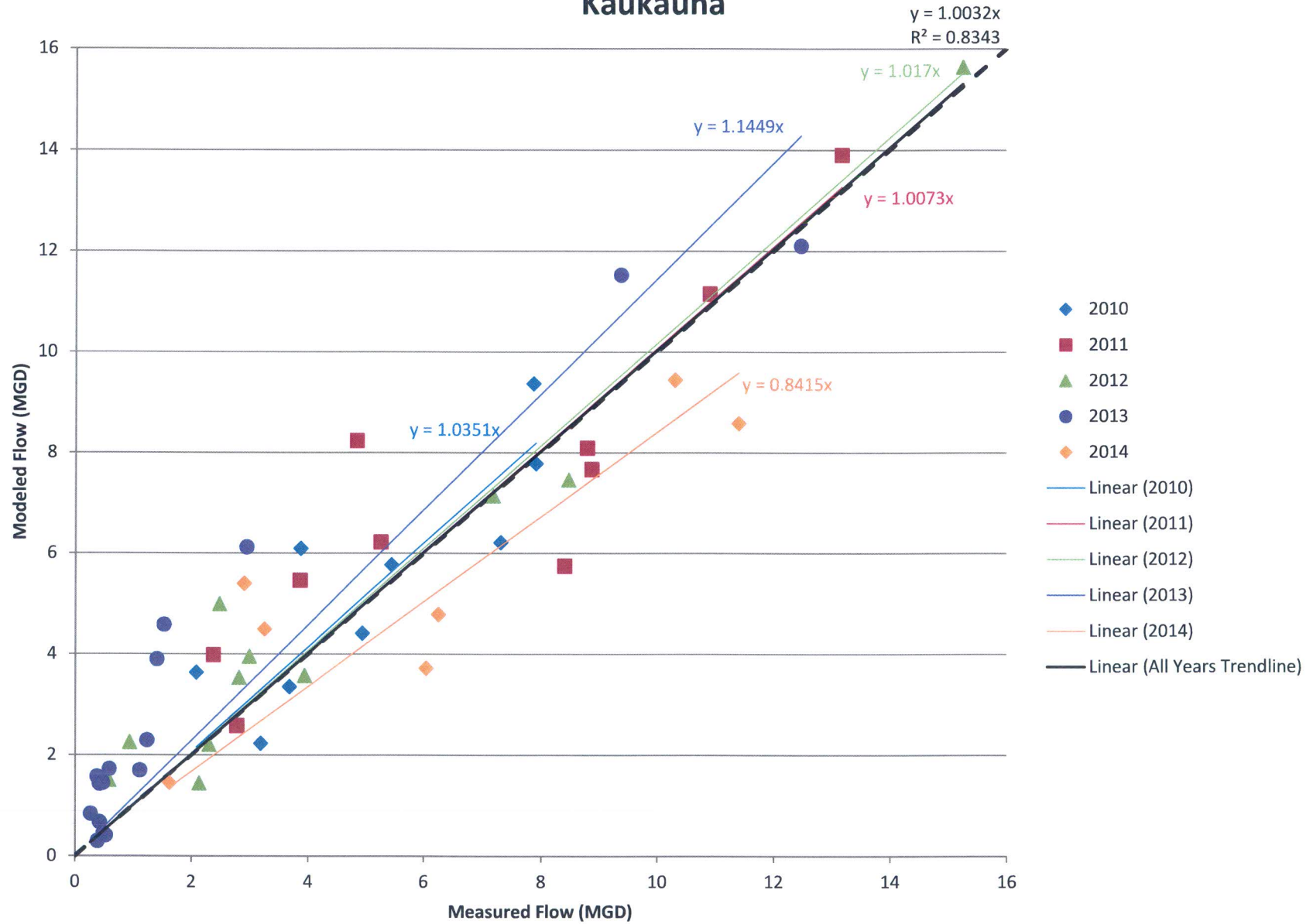
Combined Locks



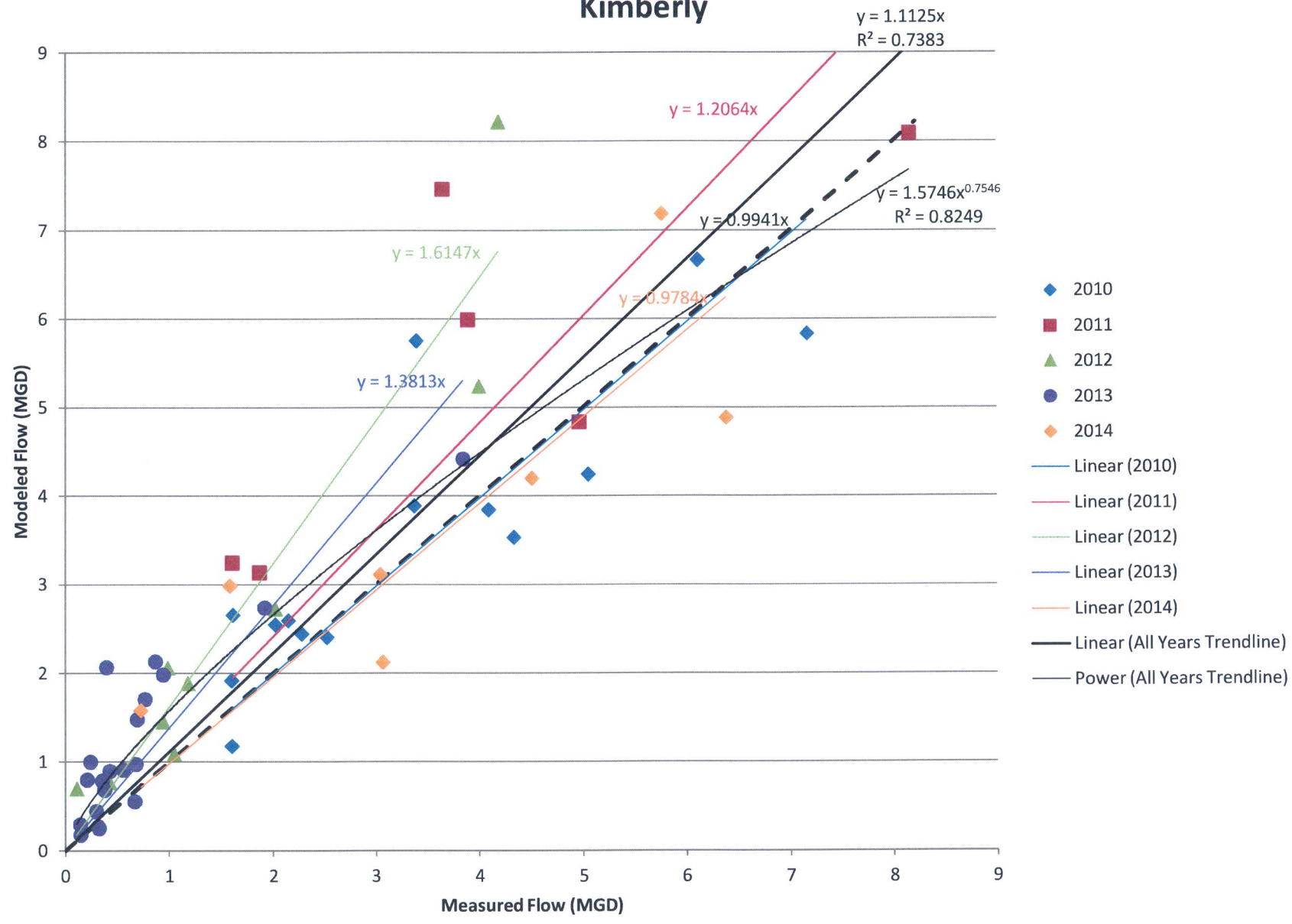
Darboy



Kaukauna



Kimberly



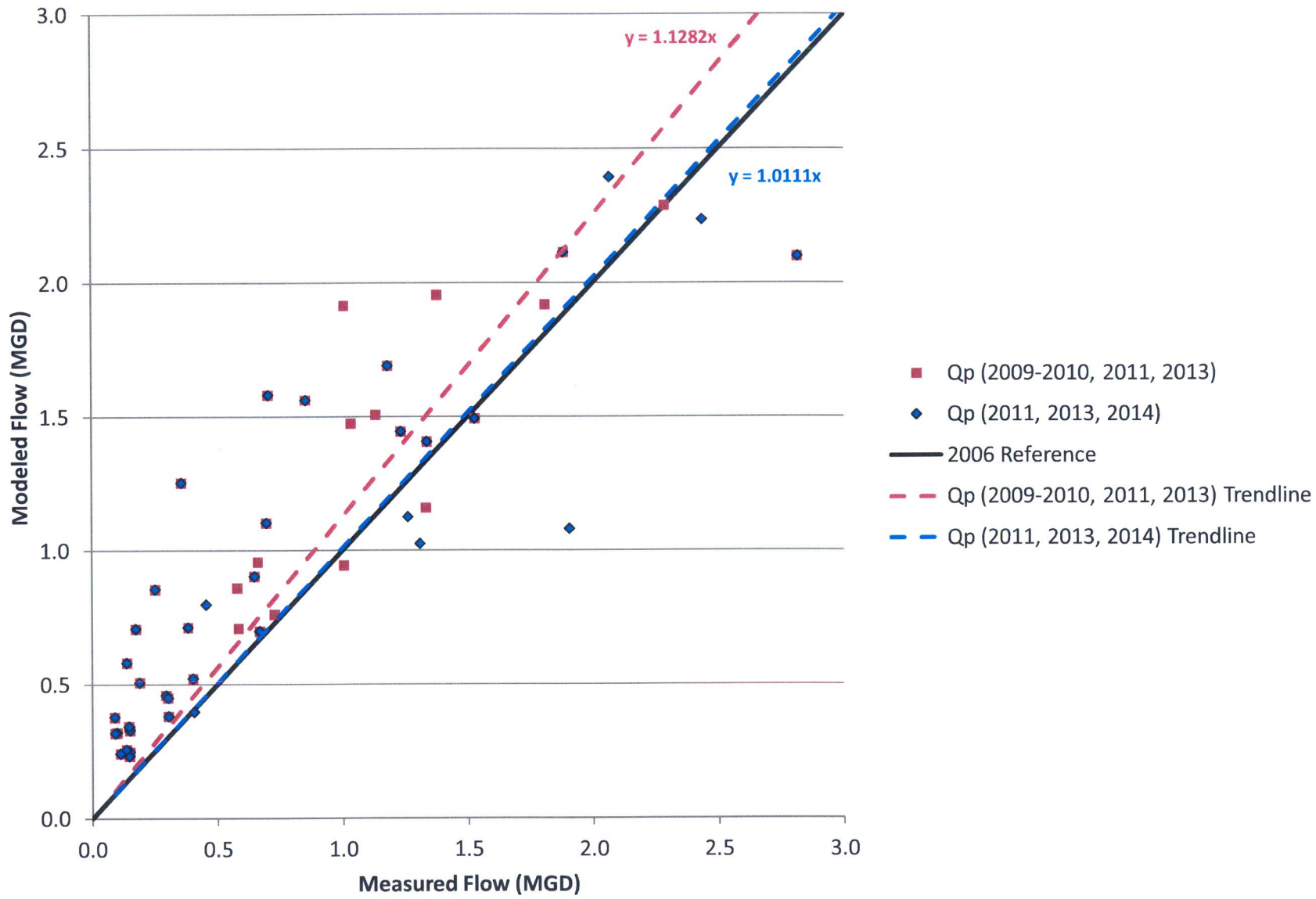
HOVMSD by-pass events, 2009-2014

<u>Date</u>	<u>Plant Flow(MGD)</u>	<u>Fox Energy Pumped(MGD)</u>	<u>By-pass flow(MGD)</u>
7/14/10	30.824	2.240	12.304
7/15/10	21.535	2.045	1.954
8/11/10	19.408	0.832	2.360
4/26/11	27.177	0.763	3.998
4/10/13	22.526	2.221	0.562
4/14/14	21.435	0.050	1.718
5/28/14	21.958	1.505	1.831

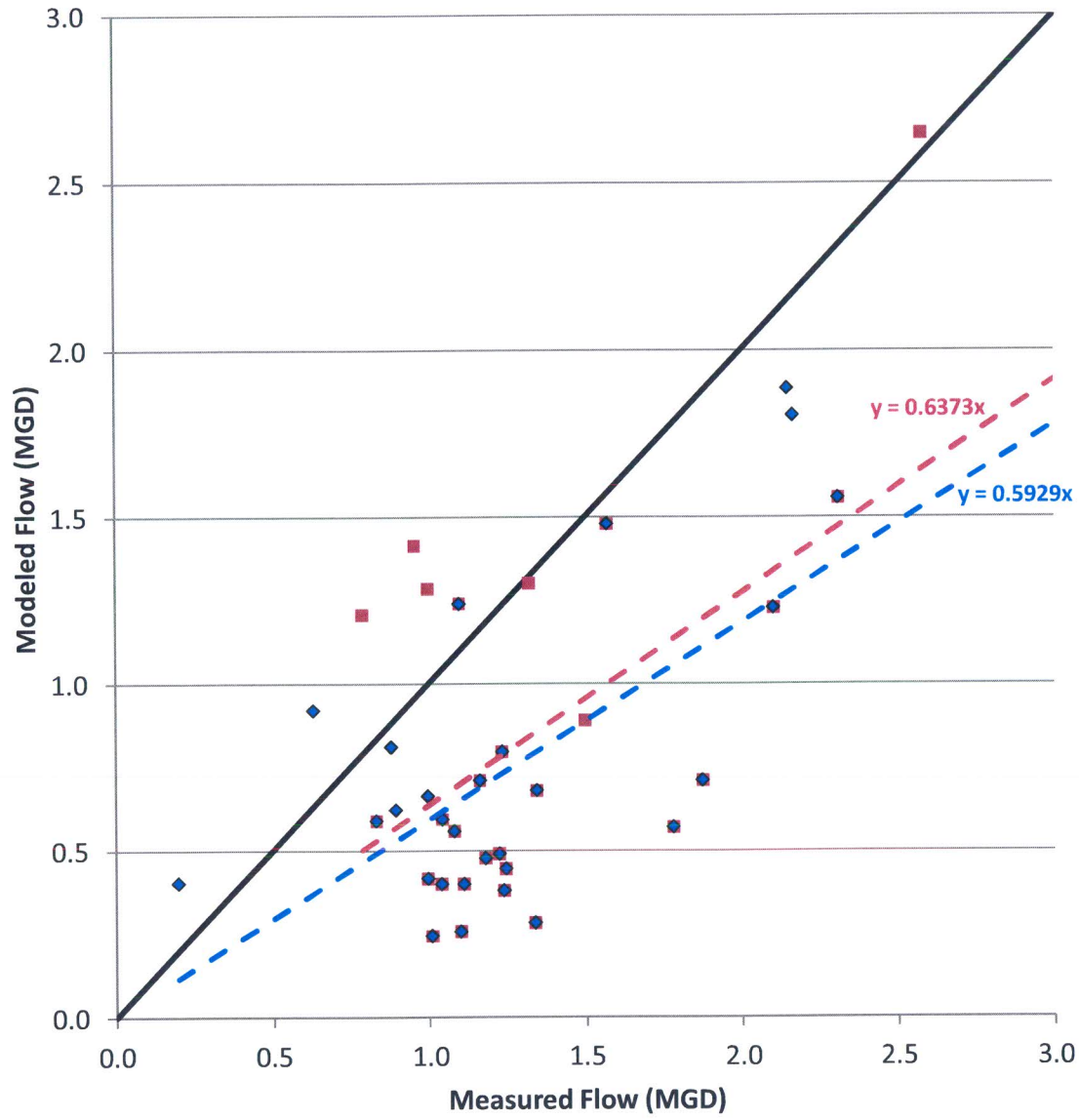
Total Plant Flows by Year

<u>Year</u>	<u>Plant Flow(MG)</u>
2011	2,359,297
2012	1,844,606
2013	2,014,113
2014	2,079,438

Combined Locks - 3 Year Rolling Averages of Peak Flows

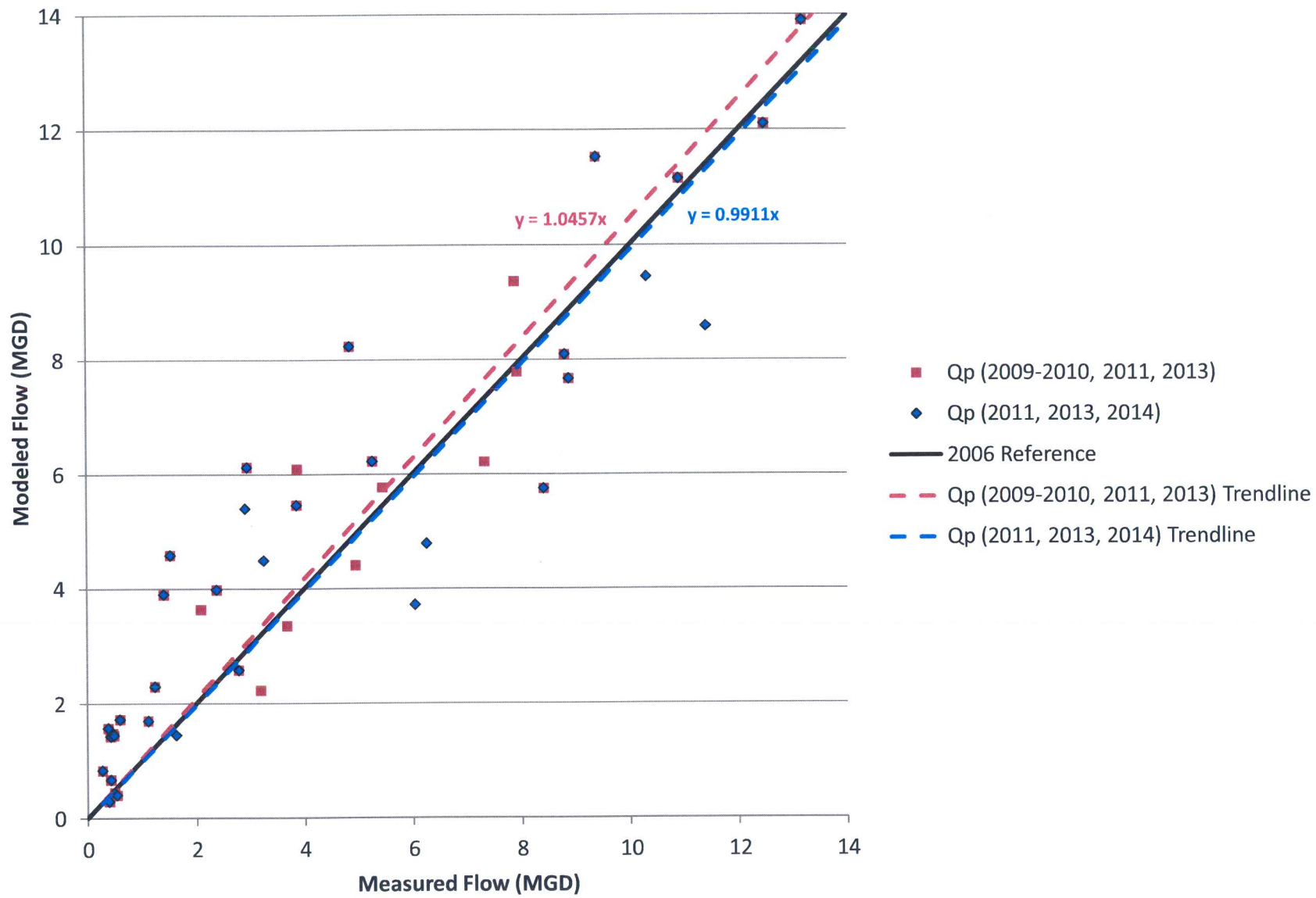


Darboy - 3 Year Rolling Averages of Peak Flows

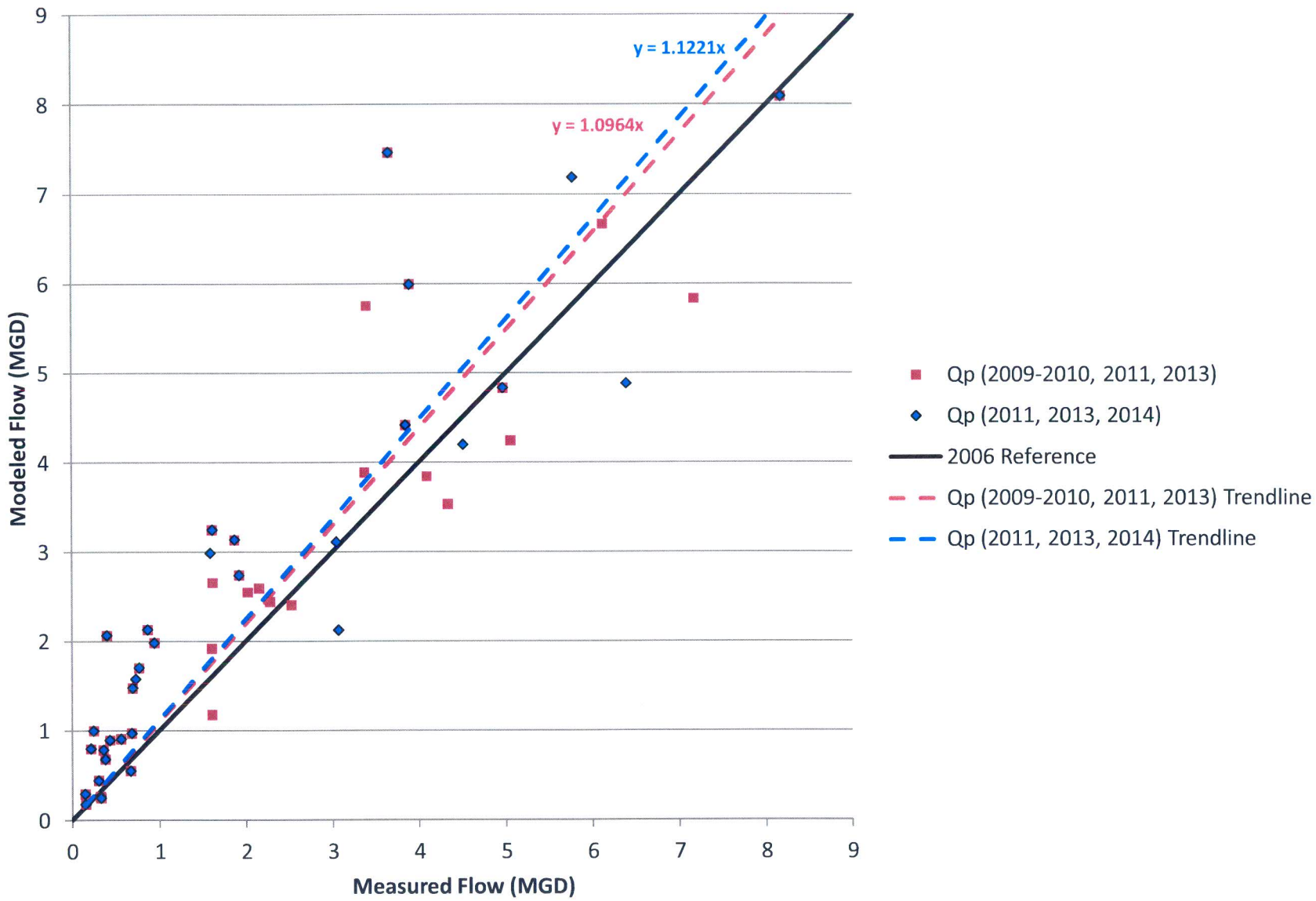


- Q_p (2009-2010, 2011, 2013)
- ◆ Q_p (2011, 2013, 2014)
- 2006 Reference
- - Q_p (2009-2010, 2011, 2013) Trendline
- - Q_p (2011, 2013, 2014) Trendline

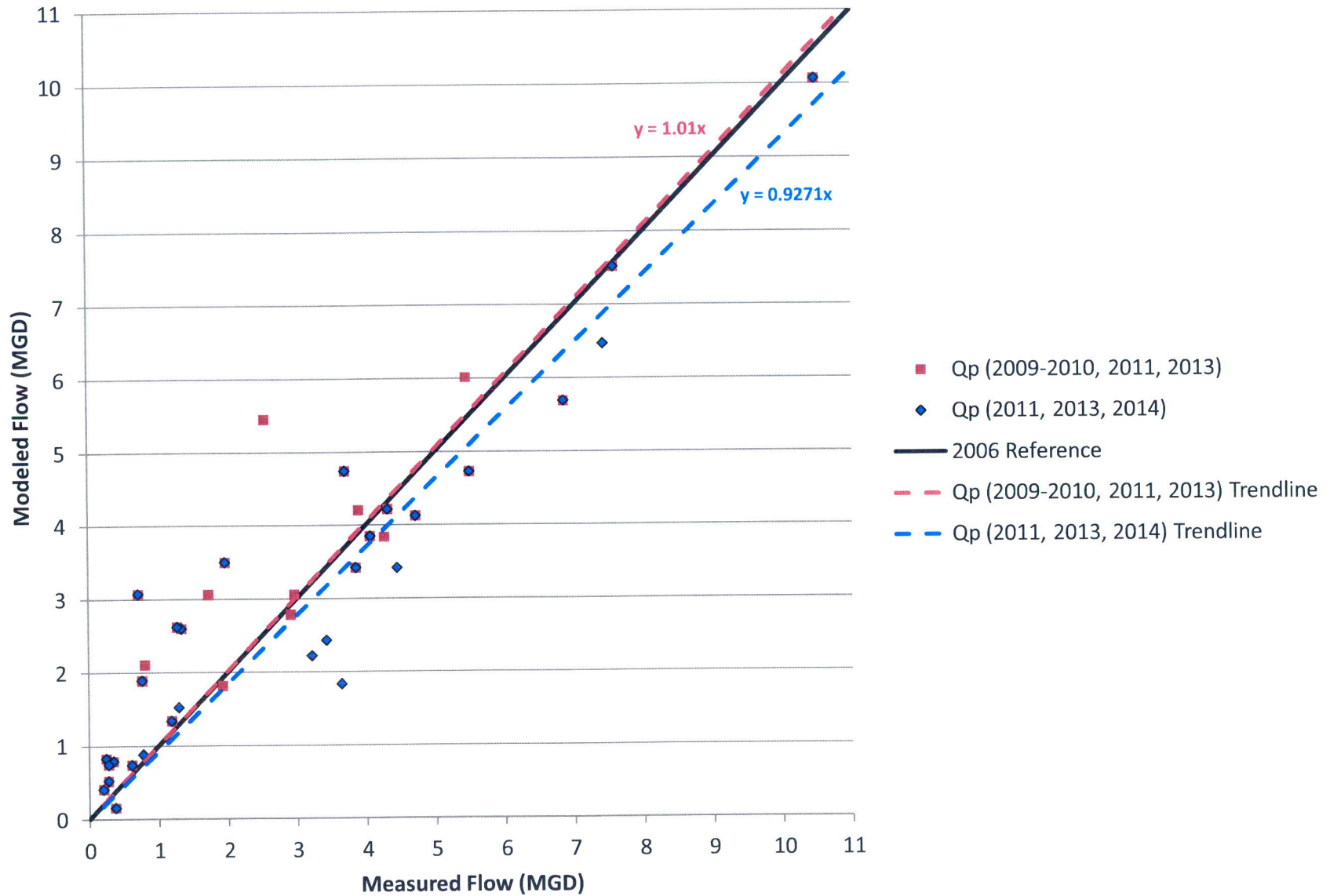
Kaukauna - 3 Year Rolling Averages of Peak Flows



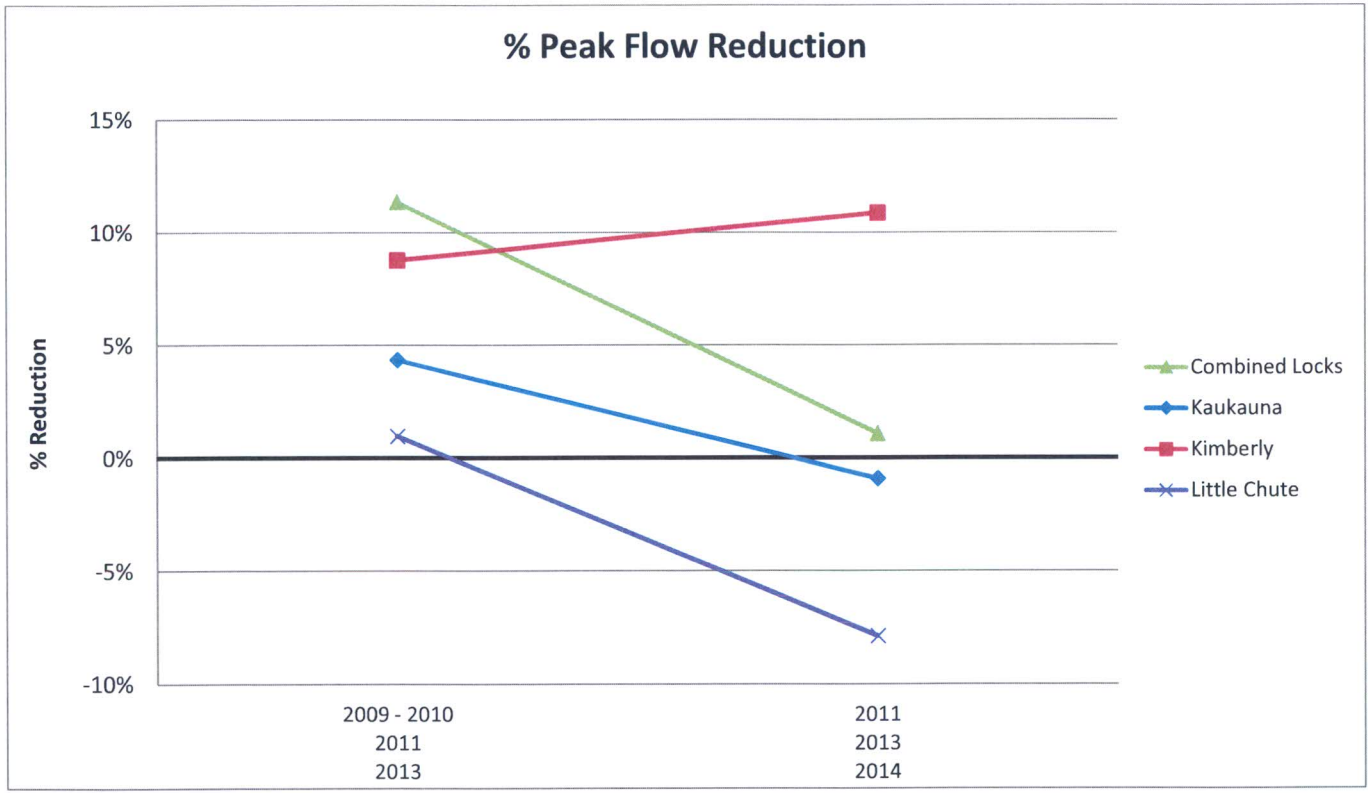
Kimberly - 3 Year Rolling Averages of Peak Flows



Little Chute - 3 Year Rolling Averages of Peak Flows



City	Slope			% Reduction		
	2009 - 2010	2011	2011	2009 - 2010	2011	2011
	2011	2013	2014	2011	2013	2014
	(3/1/09 - 11/30/09 & 3/1/10 - 6/25/10, 3/1/11 - 6/30/11, 4/1/13 - 11/18/13)	(3/1/11 - 7/1/11, 4/1/13 - 11/18/13, 4/1/14 - 10/1/14)		(3/1/09 - 11/30/09 & 3/1/10 - 6/25/10, 3/1/11 - 6/30/11, 4/1/13 - 11/18/13)		(3/1/11 - 7/1/11, 4/1/13 - 11/18/13, 4/1/14 - 10/1/14)
Combined Locks	1.13	1.01		11%		1%
Darboy	0.64	0.59		-57%		-69%
Kaukauna	1.05	0.99		4%		-1%
Kimberly	1.10	1.12		9%		11%
Little Chute	1.01	0.93		1%		-8%



$$\% \text{ Reduction} = \frac{\text{Slope} - 1}{\text{Slope}} \times 100$$