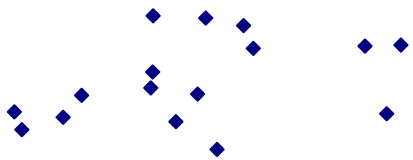
Twin Falls			one std error lowe	2 std lower
1990	2375	985.0	781.38	707.71
1991	2842	967.0	811.97	738.31
1992	1697	774.9	736.95	663.29
1993	3468	929.2	853.05	779.39
1994	2006	838.2	757.18	683.51
1995	3808	895.1	875.31	801.64
1996	4931	1,038.9	948.95	875.28
1997	6093	1,126.9	1025.12	951.46
1998	3841	1,009.6	877.47	803.80
1999	4253	1,108.6	904.48	830.81
2000	2646	980.9	799.15	725.48
2001	1659	807.8	734.43	660.76
2002	2363	852.0	780.57	706.90
2003	2493	789.7	789.08	715.42
2004	2373	881.3	781.22	707.56
2005	2705	738.4	803.00	729.33
2006	3580	804.3	860.39	786.72
2007	1910	797.8	750.91	677.25
2008	3654	931.0	865.20	791.54
2009	3991	898.9	887.31	813.64
2010	2604	840.6	796.42	722.75
2011	5348	984.5	976.32	902.66
2012	2892	924.9	815.26	741.59

73.6671		
0.065562		625.66689
699.334		

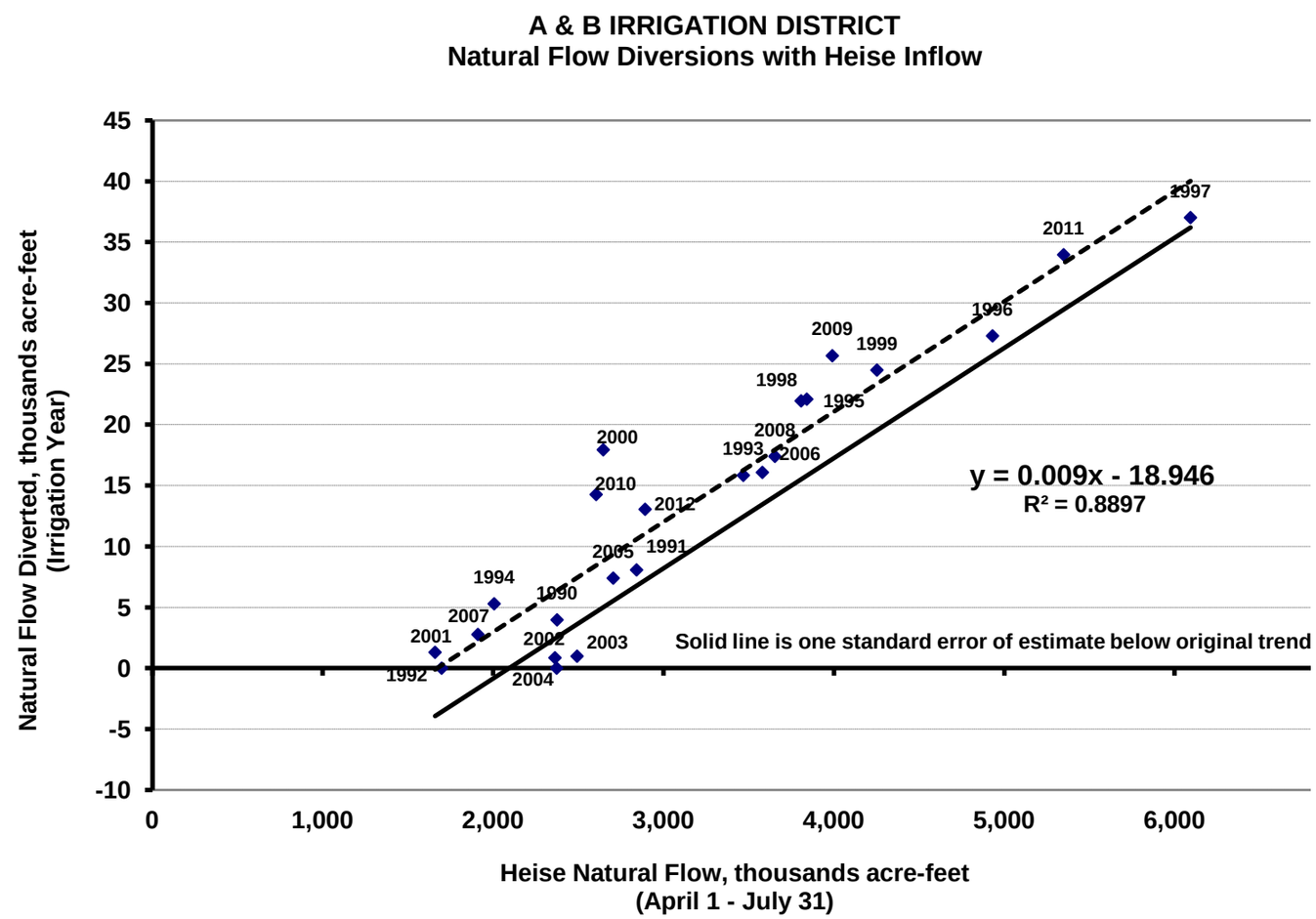
	Heise	Natural Flow



			minus one std err
	A & B		
1990	2375	4.0	2.545932516
1991	2842	8.1	6.769167293
1992	1697	0.0	-3.585435046
1993	3468	15.8	12.43931672
1994	2006	5.3	-0.79383241
1995	3808	22.0	15.51109115
1996	4931	27.3	25.67537793
1997	6093	37.0	36.18972539
1998	3841	22.1	15.80959237
1999	4253	24.5	19.5371003
2000	2646	17.9	4.999584283
2001	1659	1.3	-3.934380851
2002	2363	0.9	2.434254728
2003	2493	1.0	3.60981525
2004	2373	0.0	2.525171542
2005	2705	7.4	5.530098571
2006	3580	16.1	13.45190785
2007	1910	2.8	-1.658468794
2008	3654	17.4	14.1163477
2009	3991	25.7	17.16710778
2010	2604	14.3	4.621917714
2011	5348	34.0	29.45379377
2012	2892	13.1	7.223208403

3.829152
0.009049
-15.1168

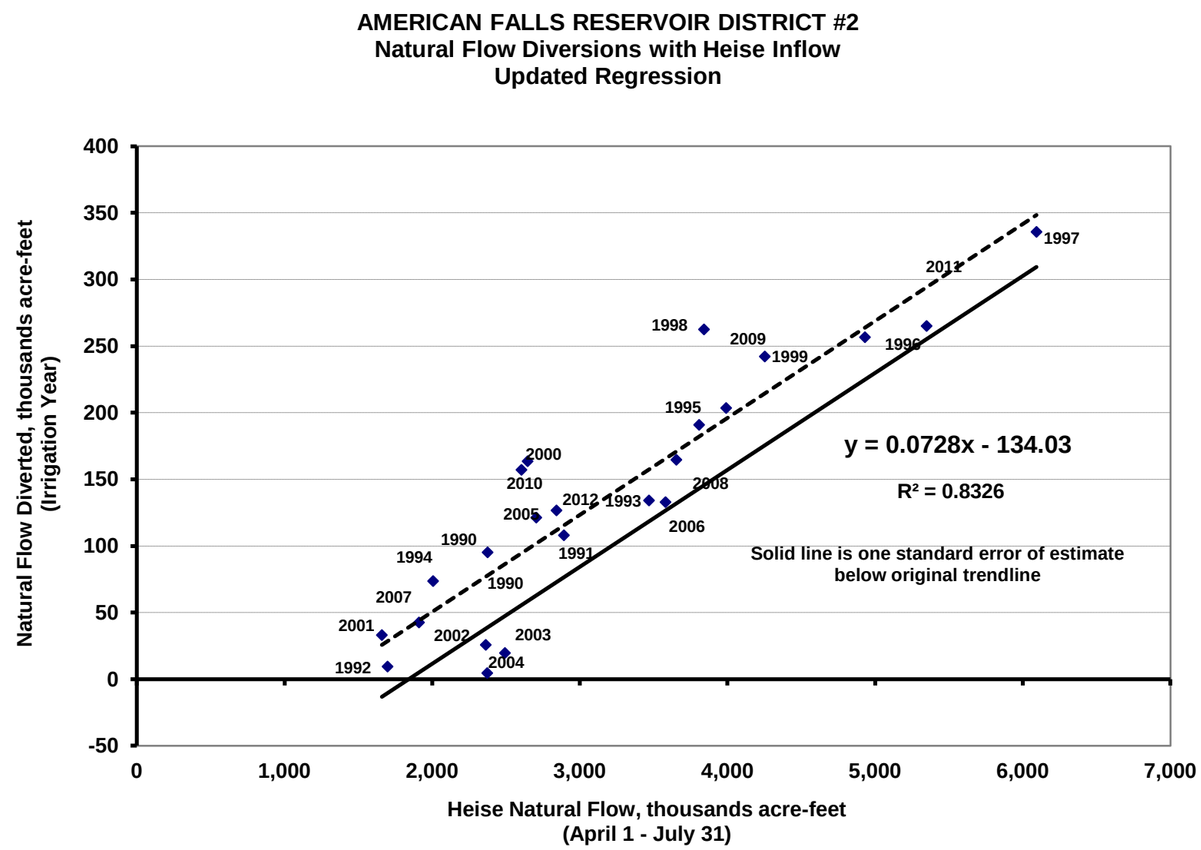
	Heise	Natural Flow
0 Forecast	1940	-1.39025
0 Forecast	2301	1.876555
1 Forecast	4260	19.60419
2 Forecast	3250	10.46437
12 Forecast	3141	9.477993



Res Dist 2

	HEII	QU	nat	minus one std e	pred nat	diff	square
1990	2375	95.2		38.74980131	70.4019	24.77298	613.7004
1991	2842	126.7		72.70227126	102.8835	23.76868	564.9503
1992	1697	9.5		-10.54300004	23.24447	-13.7842	190.0032
1993	3468	134.1		118.2871341	146.4937	-12.3734	153.1001
1994	2006	73.6		11.89993993	44.71518	28.89945	835.1783
1995	3808	190.9		142.9825003	170.1192	20.73215	429.8222
1996	4931	256.6		224.6977398	248.2945	8.326713	69.33416
1997	6093	335.7		309.2272734	329.1623	6.519931	42.5095
1998	3841	262.5		145.3822848	172.415	90.07737	8113.933
1999	4253	242.2		175.3493853	201.084	41.08868	1688.28
2000	2646	163.6		58.47580336	89.27337	74.28545	5518.328
2001	1659	33.1		-13.34833116	20.56066	12.52947	156.9877
2002	2363	25.7		37.85197371	69.54296	-43.7944	1917.946
2003	2493	19.6		47.3028296	78.58441	-58.9386	3473.763
2004	2373	4.6		38.58289457	70.24222	-65.6806	4313.937
2005	2705	121.3		62.74084458	93.35365		
2006	3580	132.9		126.4278063	154.2817		
2007	1910	42.6		4.948742	38.0651		28081.77
2008	3654	164.6		131.7695349	159.392		
2009	3991	203.5		156.2959573	182.8559		
2010	2604	157.1		55.43957319	86.36867		
2011	5348	265.1		255.0741117	277.355		
2012	2892	108.0		76.35251046			
Std Dev:	39.20828	3123	110.5829		15		
Slope:	0.072752		n				
Intercept:	-94.8248						

Heise	Natural Flow
1940	7.105
2301	33.368
4260	175.889
3250	102.410
3141	94.480
2650	58.759

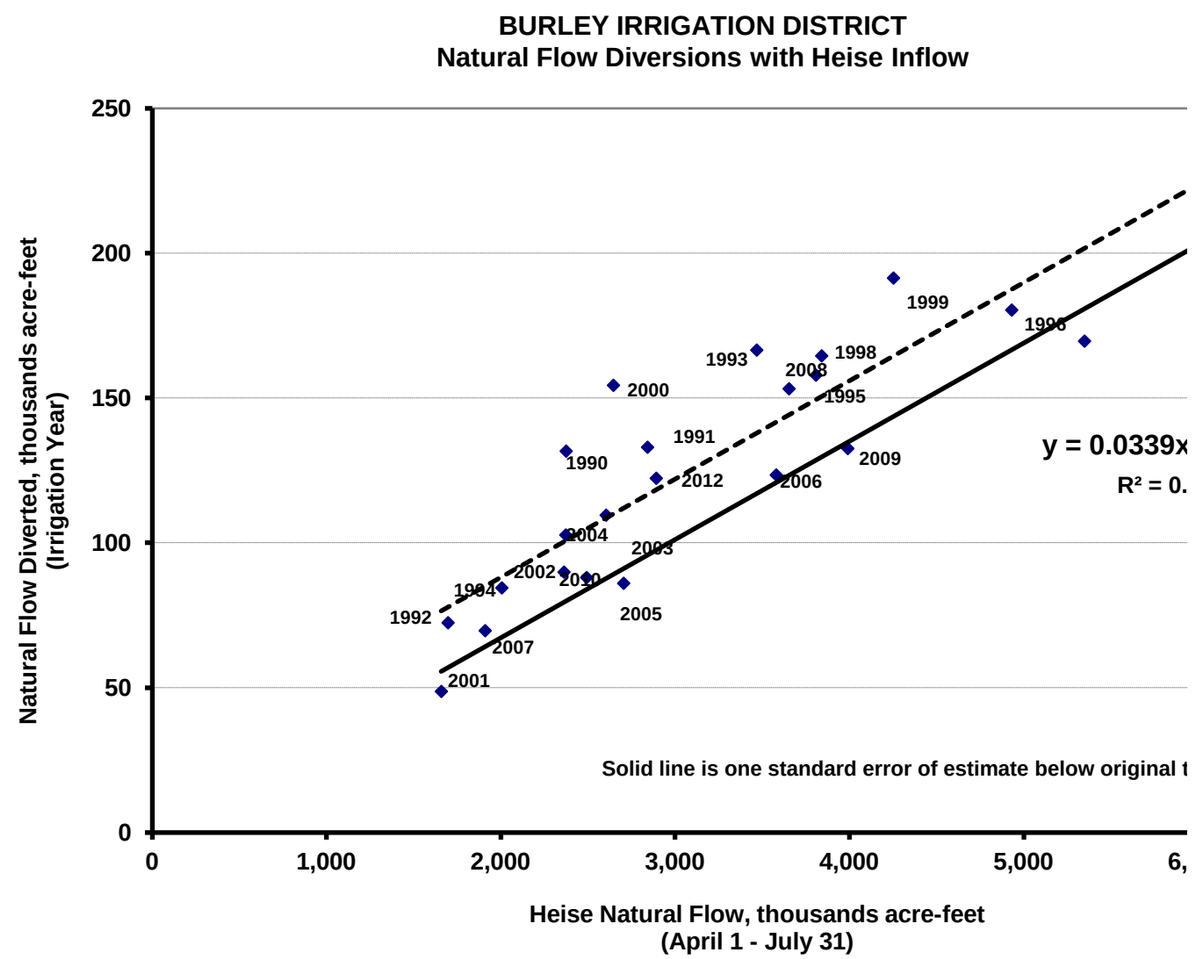


	Burley HEII QU	NAT	one std err
1990	2375	131.7	79.92324705
1991	2842	133.0	95.75581812
1992	1697	72.4	56.93723803
1993	3468	166.5	117.0127571
1994	2006	84.5	67.40273414
1995	3808	157.9	128.528595
1996	4931	180.4	166.6336971
1997	6093	227.8	206.051149
1998	3841	164.5	129.6476523
1999	4253	191.4	143.6217828
2000	2646	154.4	89.12179225
2001	1659	48.7	55.62906798
2002	2363	89.9	79.50457591
2003	2493	88.0	83.91165875
2004	2373	102.7	79.84541581
2005	2705	86.0	91.11064809
2006	3580	123.4	120.8088806
2007	1910	69.7	64.16128115
2008	3654	153.2	123.2998128
2009	3991	132.6	134.7368695
2010	2604	109.5	87.70595034
2011	5348	169.6	180.7986774
2012	2892	122.3	97.45798211

Std Dev:	20.89315
Slope:	0.033925
Intercept:	20.24503

Revised 2005-2007 using actual diverstion records, to be consistent with 2004 and prior years

Heise	Natural Flow
1940	65.1668
2301	77.41381
4260	143.8733
3250	109.6088
3141	105.911

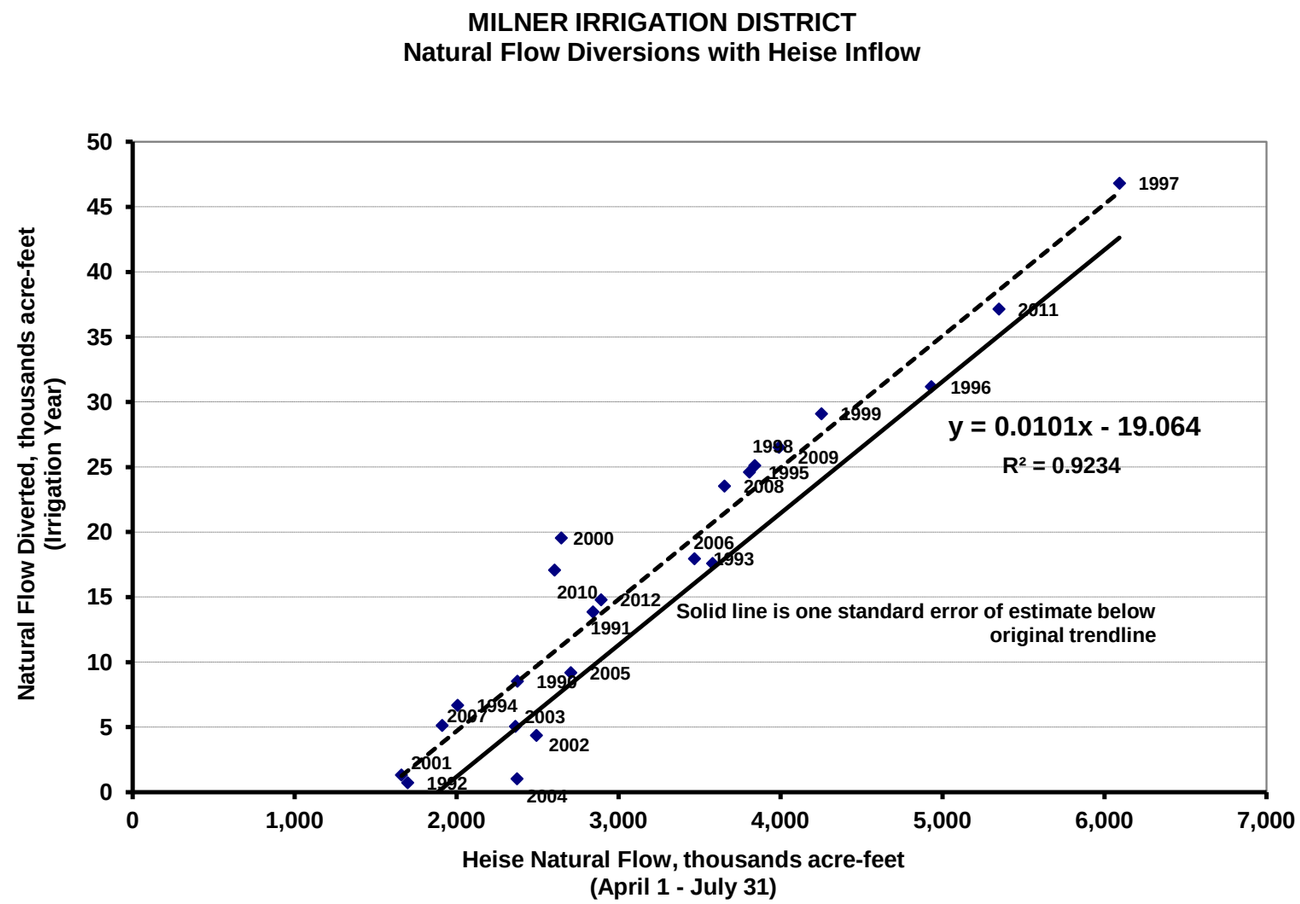


Milner

	HEII QU	NAT	minus one std error of est
1990	2375	8.5	5.0
1991	2842	13.9	9.7
1992	1697	0.7	-1.9
1993	3468	17.9	16.1
1994	2006	6.7	1.2
1995	3808	24.6	19.5
1996	4931	31.2	30.9
1997	6093	46.8	42.6
1998	3841	25.1	19.8
1999	4253	29.1	24.0
2000	2646	19.5	7.7
2001	1659	1.3	-2.3
2002	2363	5.1	4.9
2003	2493	4.4	6.2
2004	2373	1.0	5.0
2005	2705	9.2	8.3
2006	3580	17.6	17.2
2007	1910	5.1	0.3
2008	3654	23.5	17.9
2009	3991	26.5	21.3
2010	2604	17.1	7.3
2011	5348	37.1	35.1
2012	2892	14.8	10.2

Std Dev:	3.505747
Slope:	0.010127
Intercept:	-15.558

	Heise	Natural Flow
April 1 2010 Forecast	1940	0.582276
May 1 2010 Forecast	2301	4.23805
April 1 2011 Forecast	4260	24.07645
April 1 2012 Forecast	3250	13.84838
April 16 2012 Forecast	3141	12.74456

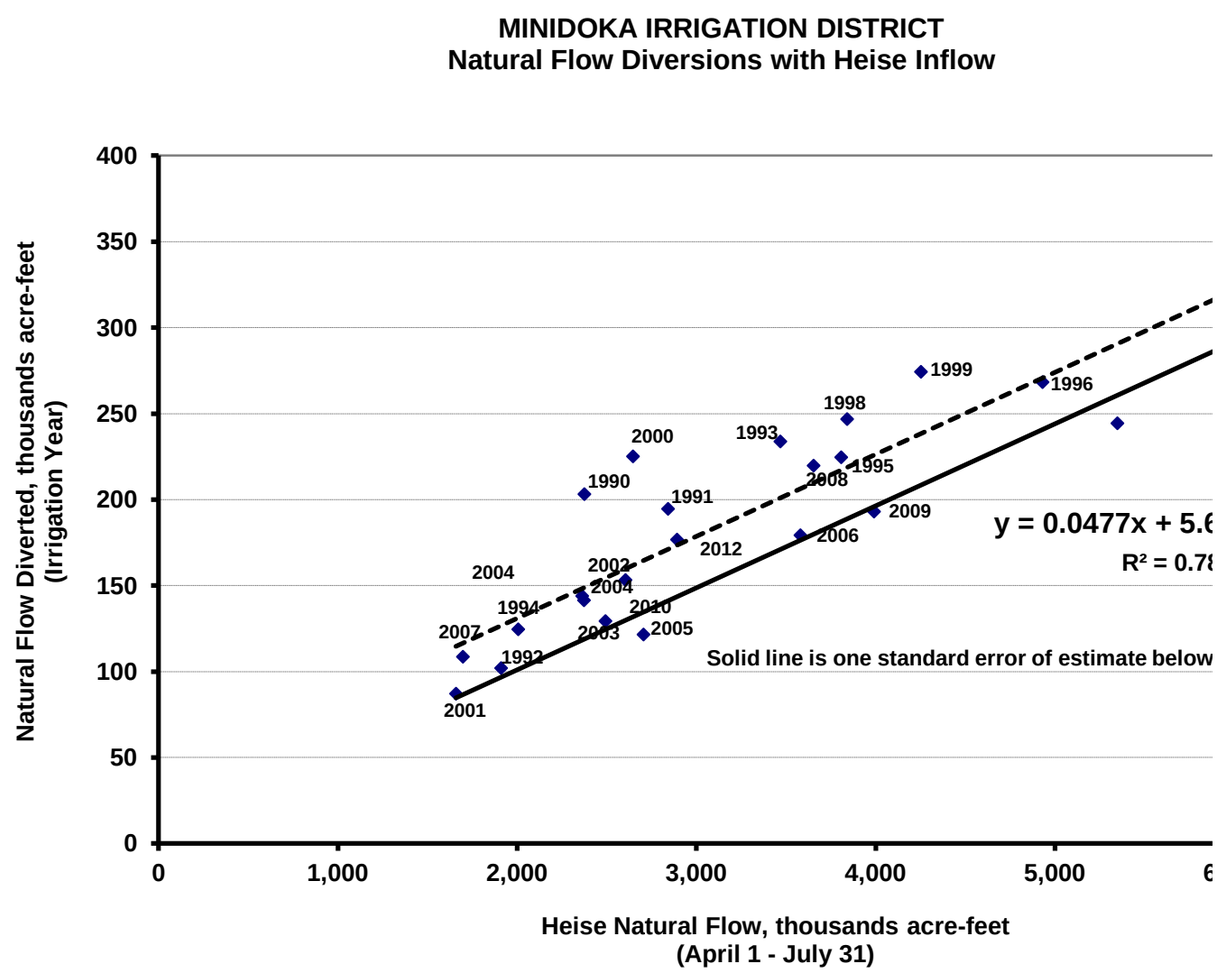


	Minidoka North		
	HEII QU	NF	
1990	2375	203.2	118.8676
1991	2842	194.6	141.1239
1992	1697	108.6	86.55558
1993	3468	233.8	171.0053
1994	2006	124.6	101.2672
1995	3808	224.6	187.1935
1996	4931	268.3	240.7588
1997	6093	329.2	296.169
1998	3841	246.8	188.7665
1999	4253	274.3	208.4103
2000	2646	225.1	131.7983
2001	1659	87.1	84.71665
2002	2363	143.9	118.2791
2003	2493	129.4	124.4742
2004	2373	141.5	118.7582
2005	2705	121.5	134.5941
2006	3580	179.3	176.3416
2007	1910	102.0	96.71061
2008	3654	219.8	179.8432
2009	3991	193.0	195.9206
2010	2604	153.2	129.808
2011	5348	244.4	260.6709
2012	2892	176.7	143.5167

Std Dev:	29.9804
Slope:	0.04769
Intercept:	35.5867

Revised 2005-2007 using actual diverstion records, to be consistent with 2004 and prior years

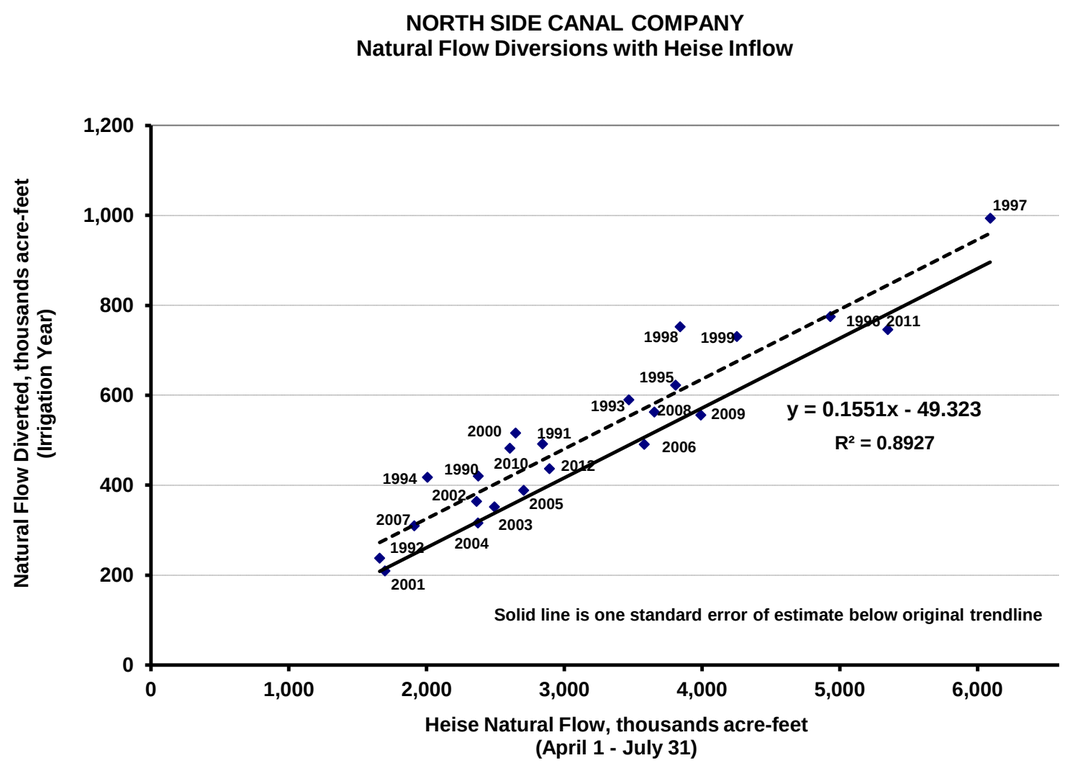
	Heise	Natural Flow
April 1 2010 Forecas	1940	98.1241
May 1 2010 Forecas	2301	115.34
April 1 2011 Forecas	4260	208.7639



Northside

*		HEII QU	NAT	
2374.97	1990	2375	420.3	319.1514
2841.66	1991	2842	491.7	391.558
1697.421	1992	1697	209.4	214.0301
3468.242	1993	3468	589.8	488.7718
2005.908	1994	2006	417.5	261.8917
3807.69	1995	3808	622.4	541.4368
4930.899	1996	4931	774.9	715.7017
6092.791	1997	6093	993.6	895.9684
3840.676	1998	3841	752.3	546.5545
4252.586	1999	4253	730.6	610.462
2646.112	2000	2646	516.0	361.2188
1658.86	2001	1659	237.7	208.0475
2362.629	2002	2363	364.0	317.2367
2492.535	2003	2493	351.8	337.3915
2386.813	2004	2373	315.9	318.7954
2643.242	2005	2705	388.5	370.3144
3620.72	2006	3580	490.8	506.1325
1923.45	2007	1910	309.7	247.0676
3643.07	2008	3654	562.7	517.5242
	2009	3991	555.9	569.8289
	2010	2604	482.1	354.7438
	2011	5348	746.0	780.482
	2012	2892	436.7	399.3425

Std Dev:	64.63143
Slope:	0.155149
Intercept:	15.30812

	Forecast (M	Supply
April 1 2010 Forecast	1940	251.67
May 1 2010 Forecast	2301	307.68
April 1 2011 Forecast	4260	611.612
April 1 2012 Forecast	3250	454.912
* April 16 2012 Forecast	3141	438.000
April 1 2013 Forecast	2650	361.822

Sources: HEII QU is from N:Hydrology\SWHydrology\Data\Excel\HEISENAT05.xls
This is reported from the Bureau of Reclamation website, HEII QU hydromet