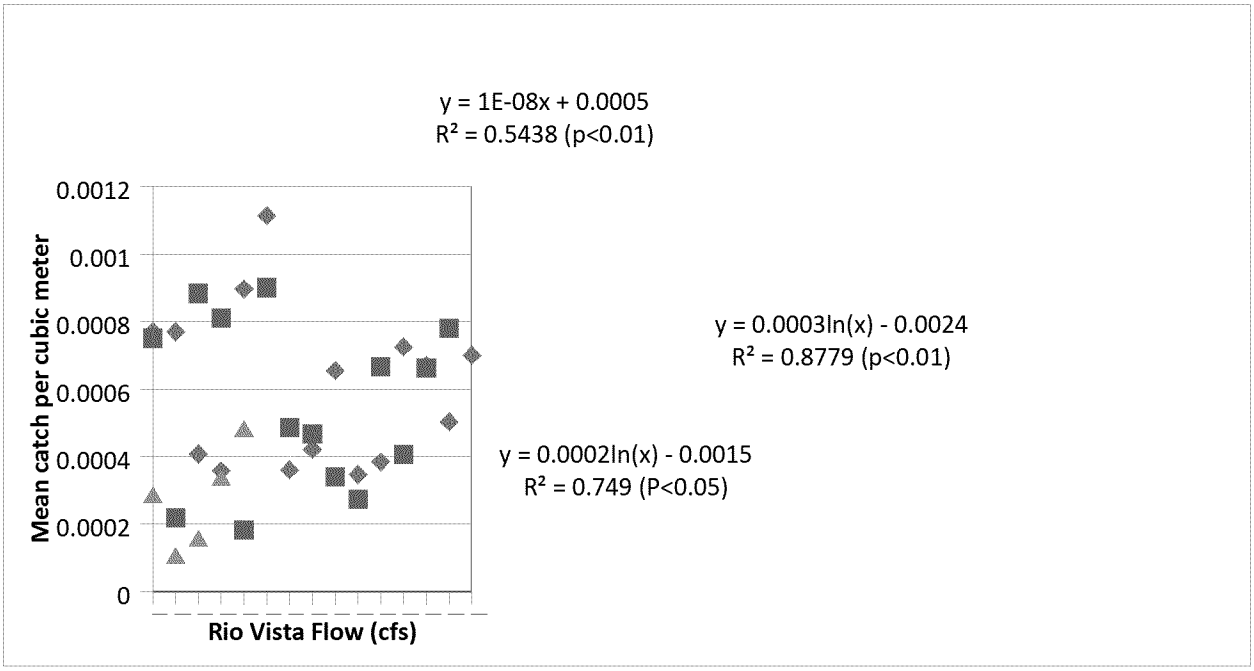
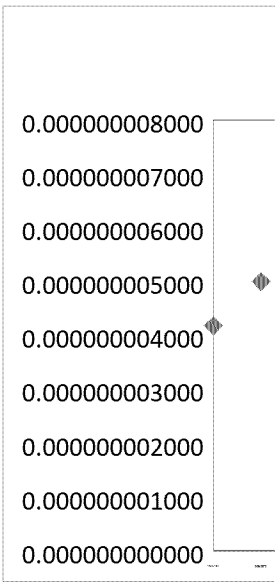
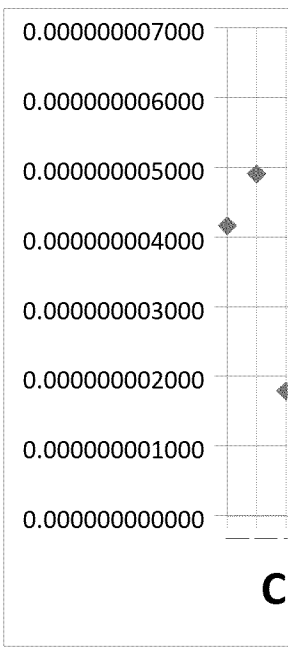
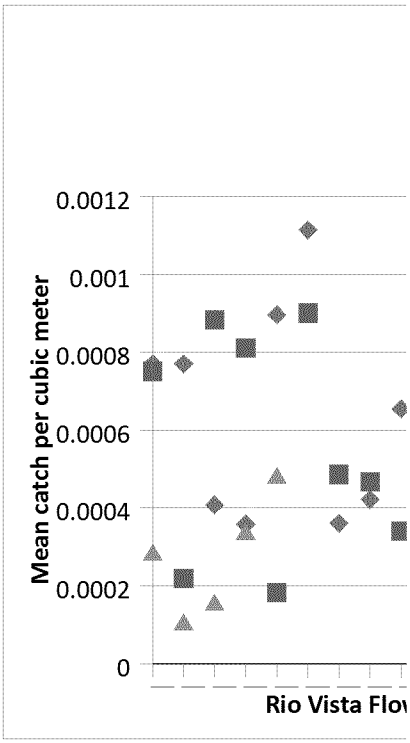

y = 1E-08x + 0.0005
R² = 0.5438 (p<0.01)
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
Mean catch per cubic meter
Rio Vista Flow (cfs)
y = 0.0003ln(x) - 0.0024
R² = 0.8779 (p<0.01)
y = 0.0002ln(x) - 0.0015
R² = 0.749 (P<0.05)

Flow A-J	**19075.47253**	**9088.29670**	**13364.75824**	**8159.68132**
cPUe CI A-J	**0.00077**	**0.00077**	**0.00041**	**0.00036**
Sac escapement -1	184,211.00	154,003.00	222,599.00	165,163.00
CPUE/Sac escapement	0.000000004182	0.000000005002	0.000000001831	0.000000002168
Sac+SJ escapement	185,261.00	157,164.00	227,686.00	172,261.00
Cpue/Sac +SJ	0.000000004158	0.000000004901	0.000000001790	0.000000002079
	1978	**1979**	**1980**	**1981**

	Sac+SJ fall run
1977	185,261.00
	157,164.00
	227,686.00
	172,261.00
	261,272.00
	232,676.00
	207,107.00
	259,289.00
	363,732.00
	292,473.00
	278,014.00
	282,397.00
	179,101.00
	120,957.00
	131,801.00
	111,910.00
	170,095.00
	224,308.00
	335,582.00
	357,932.00
	406,450.00
	252,772.00
	417,990.00
	489,338.00
	628,766.00
	876,858.00
	599,654.00
	391,060.00
	437,693.00
	292,954.00
	97,168.00
	71,870.00
	53,129.00
	163,189.00
2011	227,889.00

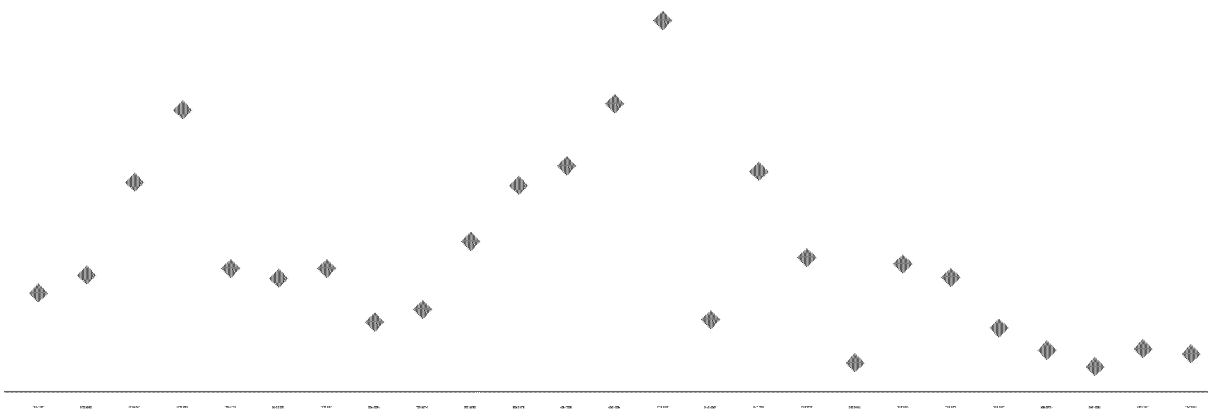


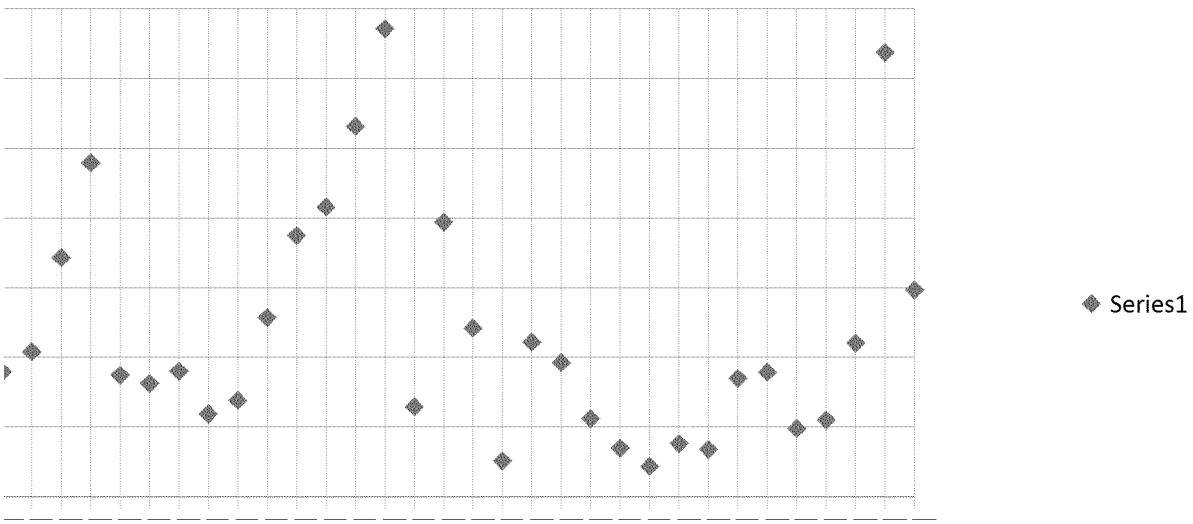



0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
Mean catch per cubic meter
Rio Vista Flo

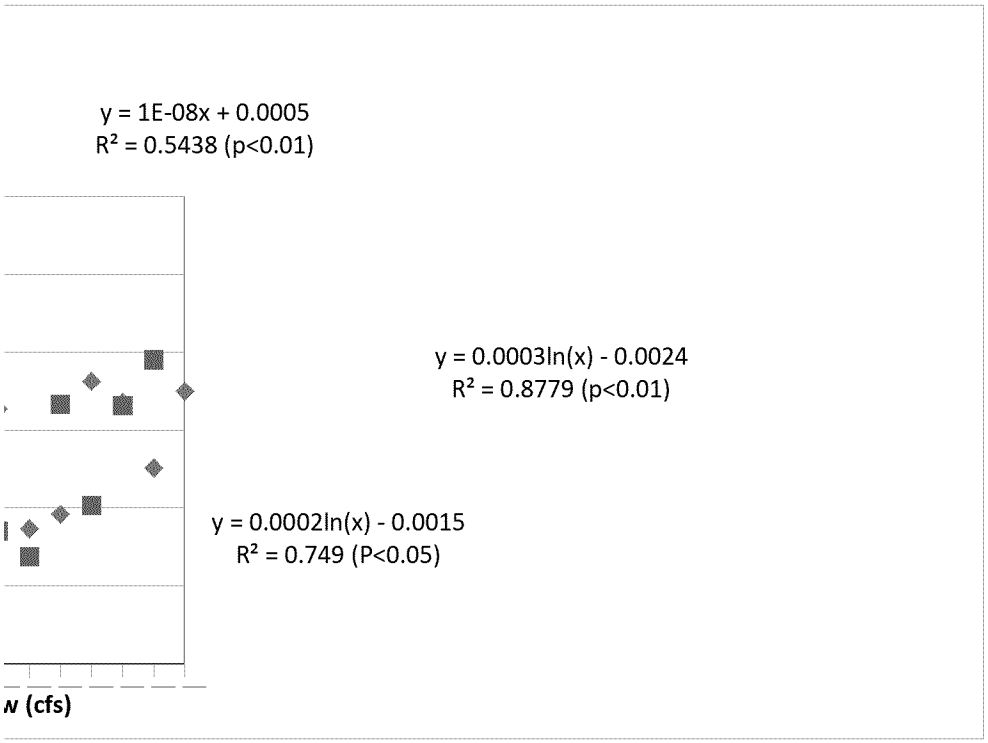
52726.59341	**55729.20879**	**10094.24176**	**6819.91209**	**12129.56044**
0.00090	**0.00111**	**0.00036**	**0.00042**	**0.00065**
230,645.00	212,915.00	157,457.00	200,469.00	286,114.00
0.000000003887	0.000000005234	0.000000002292	0.000000002104	0.000000002288
261,272.00	232,676.00	207,107.00	259,289.00	363,732.00
0.000000003432	0.000000004789	0.000000001742	0.000000001627	0.000000001800
1982	**1983**	**1984**	**1985**	**1986**

CPUE Chipps/ Sac escapement vs. flow

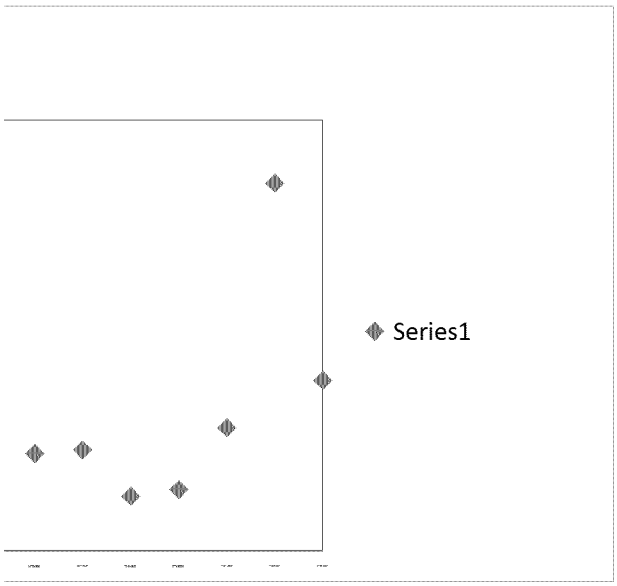




PU Chipps/ sac +sj escapement vs flow


y = 1E-08x + 0.0005
R² = 0.5438 (p<0.01)
y = 0.0003ln(x) - 0.0024
R² = 0.8779 (p<0.01)
y = 0.0002ln(x) - 0.0015
R² = 0.749 (P<0.05)
N (cfs)

5034.26374	**7004.85714**	**9901.80220**	**6038.21978**	**4334.72528**
0.00035	**0.00038**	**0.00073**	**0.00067**	**0.00050**
268,205.00	251,468.00	259,875.00	175,168.00	119,865.00
0.000000001293	0.000000001527	0.000000002791	0.000000003830	0.000000004195
292,473.00	278,014.00	282,397.00	179,101.00	120,957.00
0.000000001186	0.000000001381	0.000000002569	0.000000003746	0.000000004157
1987	**1988**	**1989**	**1990**	**1991**



4339.12088	**27104.92308**	**5142.42857**	**53417.42857**	**27398.30769**
0.00070	**0.00075**	**0.00022**	**0.00088**	**0.00081**
130,906.00	108,892.00	164,112.00	216,025.00	325,697.00
0.000000005349	0.000000006898	0.000000001338	0.000000004091	0.000000002492
131,801.00	111,910.00	170,095.00	224,308.00	335,582.00
0.000000005312	0.000000006712	0.000000001291	0.000000003940	0.000000002418
1992	**1993**	**1994**	**1995**	**1996**

9130.54945	**49489.95604**	**17531.86813**	**16236.93407**	**8038.08791**	**9657.10989**
0.00018	**0.00090**	**0.00049**	**0.00047**	**0.00034**	**0.00027**
341,049.00	379,881.00	229,171.00	395,081.00	442,008.00	594,072.00
0.000000000538	0.000000002372	0.000000002122	0.000000001184	0.000000000770	0.000000000462
357,932.00	406,450.00	252,772.00	417,990.00	489,338.00	628,766.00
0.000000000512	0.000000002217	0.000000001924	0.000000001119	0.000000000695	0.000000000437
1997	**1998**	**1999**	**2000**	**2001**	**2002**

23094.49451	**11331.05495**	**24793.0989**	**68471.93407**	**7918.45055**
0.00067	**0.00041**	**0.00066**	**0.00078**	**0.00029**
839,089.00	578,149.00	367,589.00	416,896.00	282,489.00
0.000000000794	0.000000000703	0.000000001805	0.000000001873	0.000000001014
876,858.00	599,654.00	391,060.00	437,693.00	292,954.00
0.000000000760	0.000000000678	0.000000001696	0.000000001784	0.000000000977
2003	**2004**	**2005**	**2006**	**2007**

6776.80220	**11267.40659**	**14960.56044**	**37425.34857**	
0.00011	**0.00016**	**0.00034**	**0.00048**	
94,339.00	69,214.00	49,573.00	152,831.00	205,096.00
0.000000001134	0.000000002287	0.000000006831	0.000000003165	
97,168.00	71,870.00	53,129.00	163,189.00	227,889.00
0.000000001101	0.000000002202	0.000000006374	0.000000002964	
2008	**2009**	**2010**	**2011**	