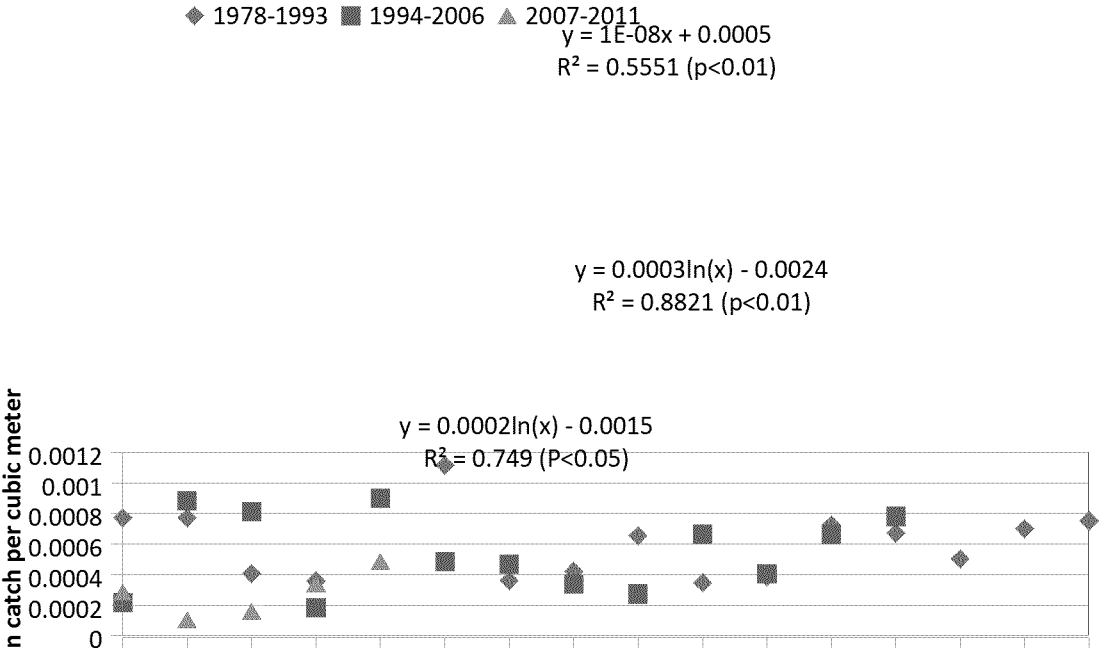
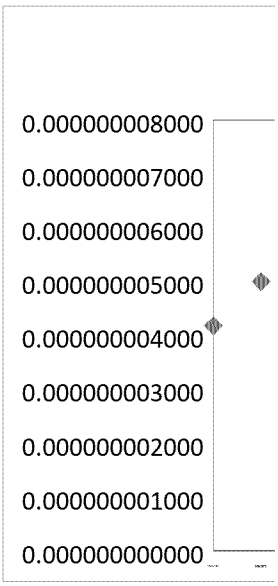
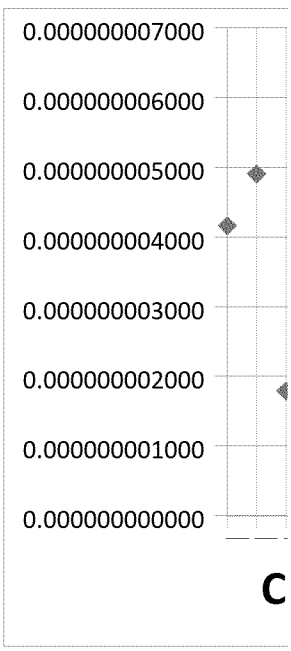
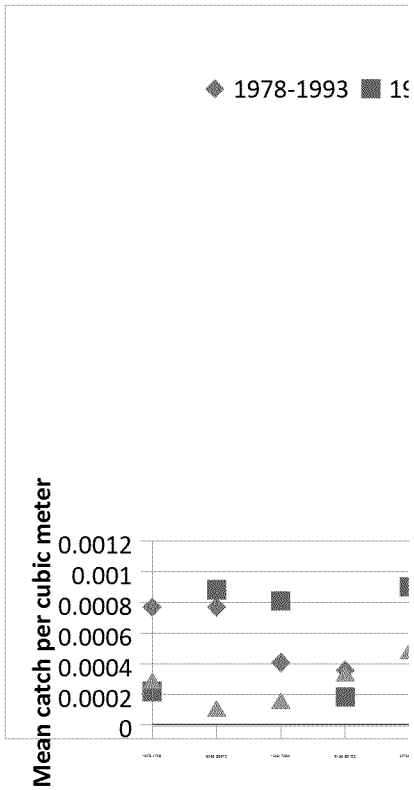

1978-1993
1994-2006
2007-2011
y = 1E-08x + 0.0005
R² = 0.5551 (p<0.01)
y = 0.0003ln(x) - 0.0024
R² = 0.8821 (p<0.01)
y = 0.0002ln(x) - 0.0015
R² = 0.749 (P<0.05)
an catch per cubic meter
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0

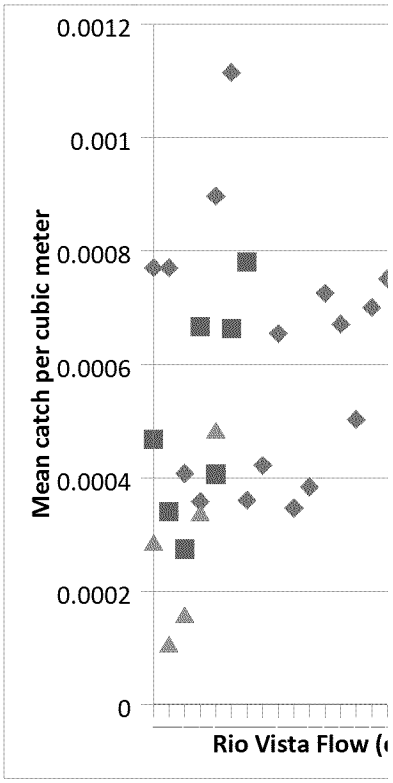
| | | | | |
|---|---|---|---|---|
| **Flow A-J** | **19075.47253** | **9088.29670** | **13364.75824** | **8159.68132** |
| **cPUe CI A-J** | **0.00077** | **0.00077** | **0.00041** | **0.00036** |
| **Sac escapement -1** | 184,211.00 | 154,003.00 | 222,599.00 | 165,163.00 |
| **CPUE/Sac escapement** | 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 |



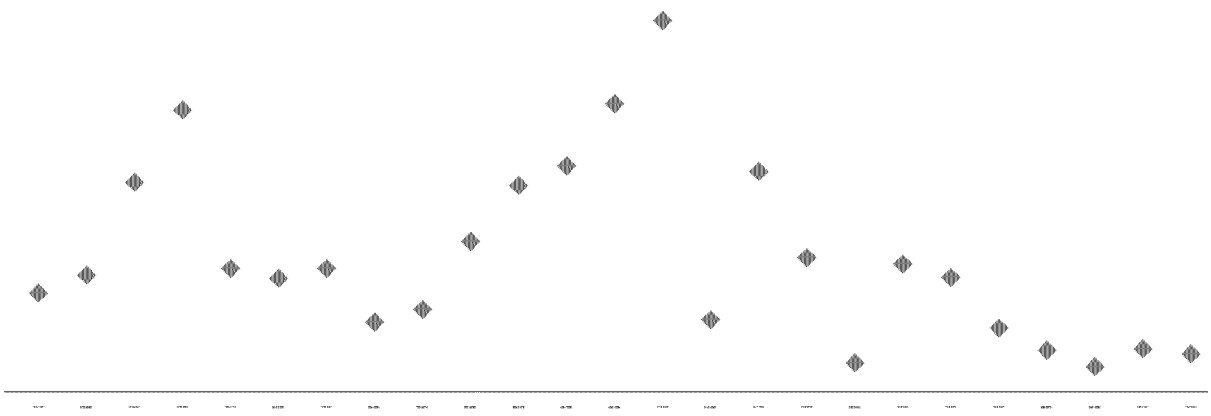



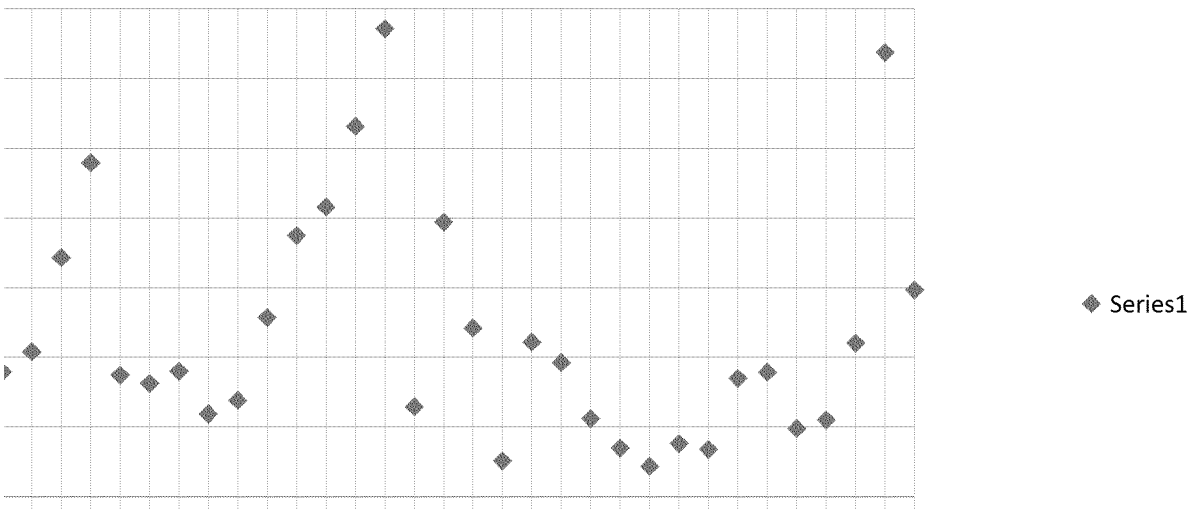

1978-1993
Mean catch per cubic meter
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0


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

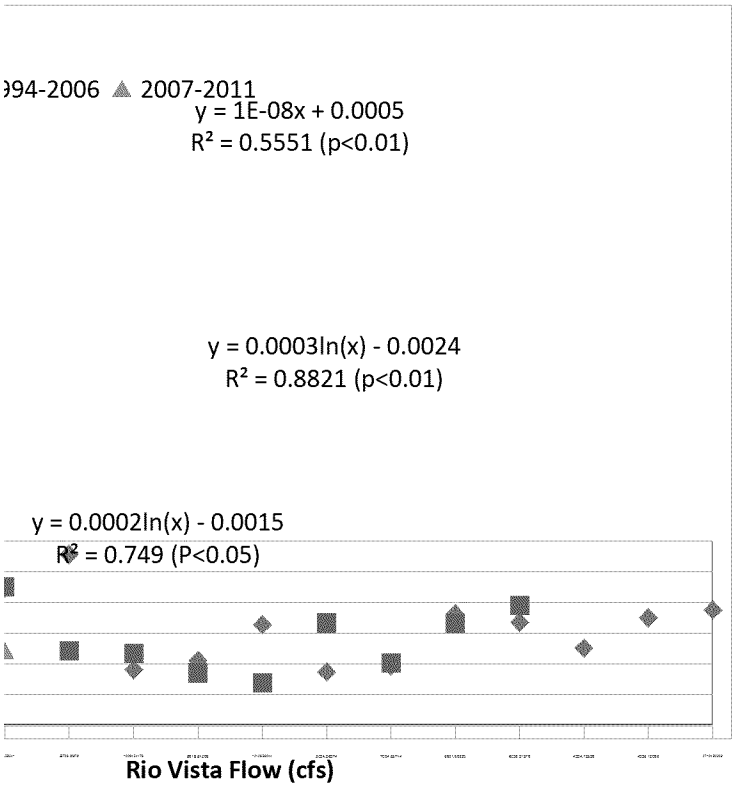
| | | | | |
|---|---|---|---|---|
| **52726.59341** | **55729.20879** | **10094.24176** | **6819.91209** | **12129.56044** |
| **0.00090** | **0.00111** | **0.00036** | **0.00042** | **0.00065** |
| 230,645.00 | 212,915.00 | 157,457.00 | 200,469.00 | 286,114.00 |
| 0.000000003887 | 0.000000005234 | 0.000000002292 | 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** |

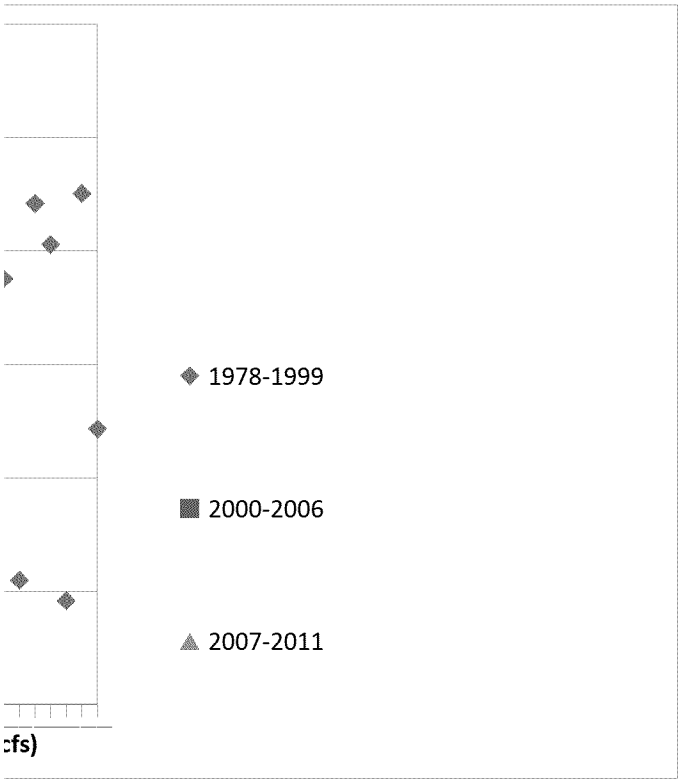
## CPUE Chipps/ Sac escapement vs. flow



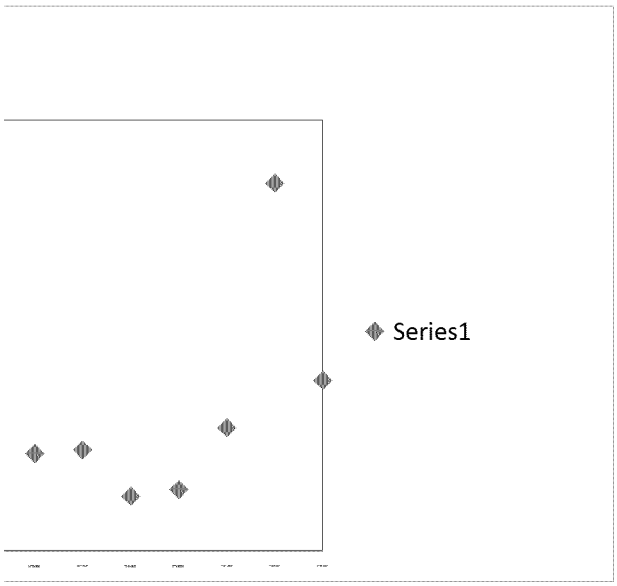


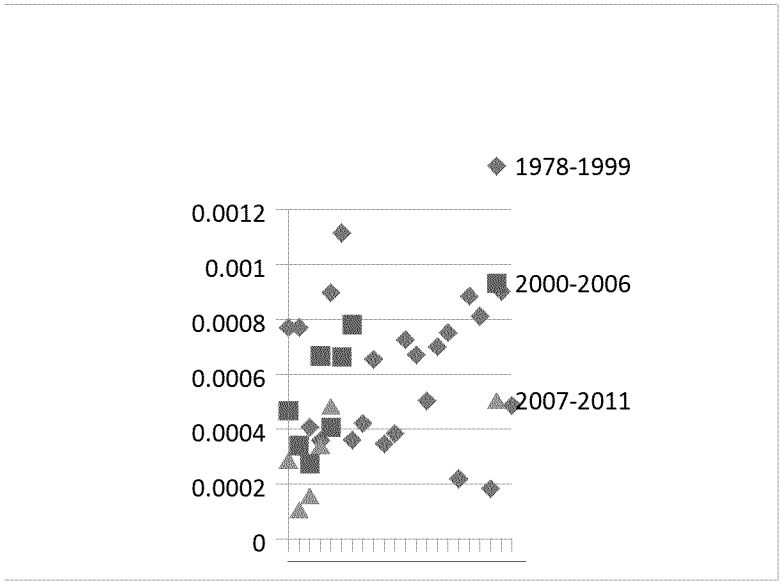

## PU Chipps/ sac +sj escapement vs flow

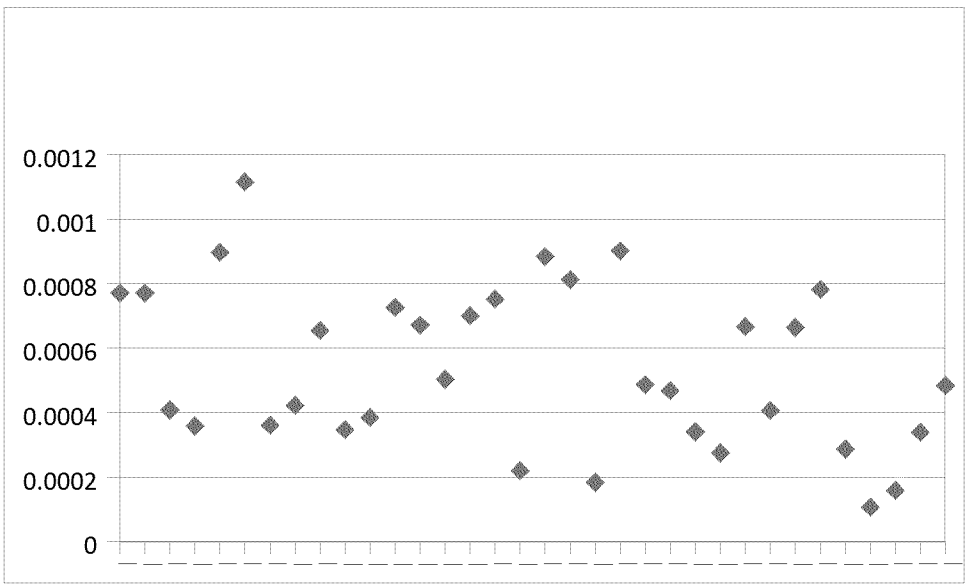

994-2006
2007-2011
y = 1E-08x + 0.0005
R² = 0.5551 (p<0.01)
y = 0.0003ln(x) - 0.0024
R² = 0.8821 (p<0.01)
y = 0.0002ln(x) - 0.0015
R² = 0.749 (P<0.05)
Rio Vista Flow (cfs)


1978-1999
2000-2006
2007-2011
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** |




1978-1999
2000-2006
2007-2011
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0


0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0

| | | | | |
|---|---|---|---|---|
| **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** | |