~~05-H Dry Yrs_AllBASE2003 ~~
~~05-H~~ 0620 ALL Base 2003 Dry Yr NO CREP Red:

CO *pmp all = 2003 Co*.pmp
KS * pmp all = 2003 KS*.pmp

should be 2003 RERUN!

NE ACO = ~~2003~~ all = 2004 *ACO = 119,909.8 acres + Vol 71,862.4 (from dbf)
↳ 2004 acres =

2003 Acres from dbf = 130,829.5 Vol = 91,948.

All 20 years are ACO 2004; should = 2003

All NE ASW = All years. ASW = 2004; should = 2003
RCS = 2004 also, all files =

Σ PMP
Problem is wrong files put in directory however the correct files found in Scenario BASE Data\OUT file

Σ Pmp there is: 2,046,837.2 minus 2003 CO Vol = 1,954,889.2
x .95 =

	ACRES	VOL
official 2003 *.dbf =	1,638,322	2,057,778
+ 2003 GWEX Vol from Scen Base Data 2003 GWEX - .05 5% dbf =	1,638,322.22	1,954,889 correct Vol After 5 - .05

→ 2006-2011
I replaced all NE RRPP files with what was in OUT file
all SW files were 2004, should have been 2003
what was in RRPP files for *pmp was very wrong - Σ*pmp was 1,656,749.7 → This is AVYr No CREP!

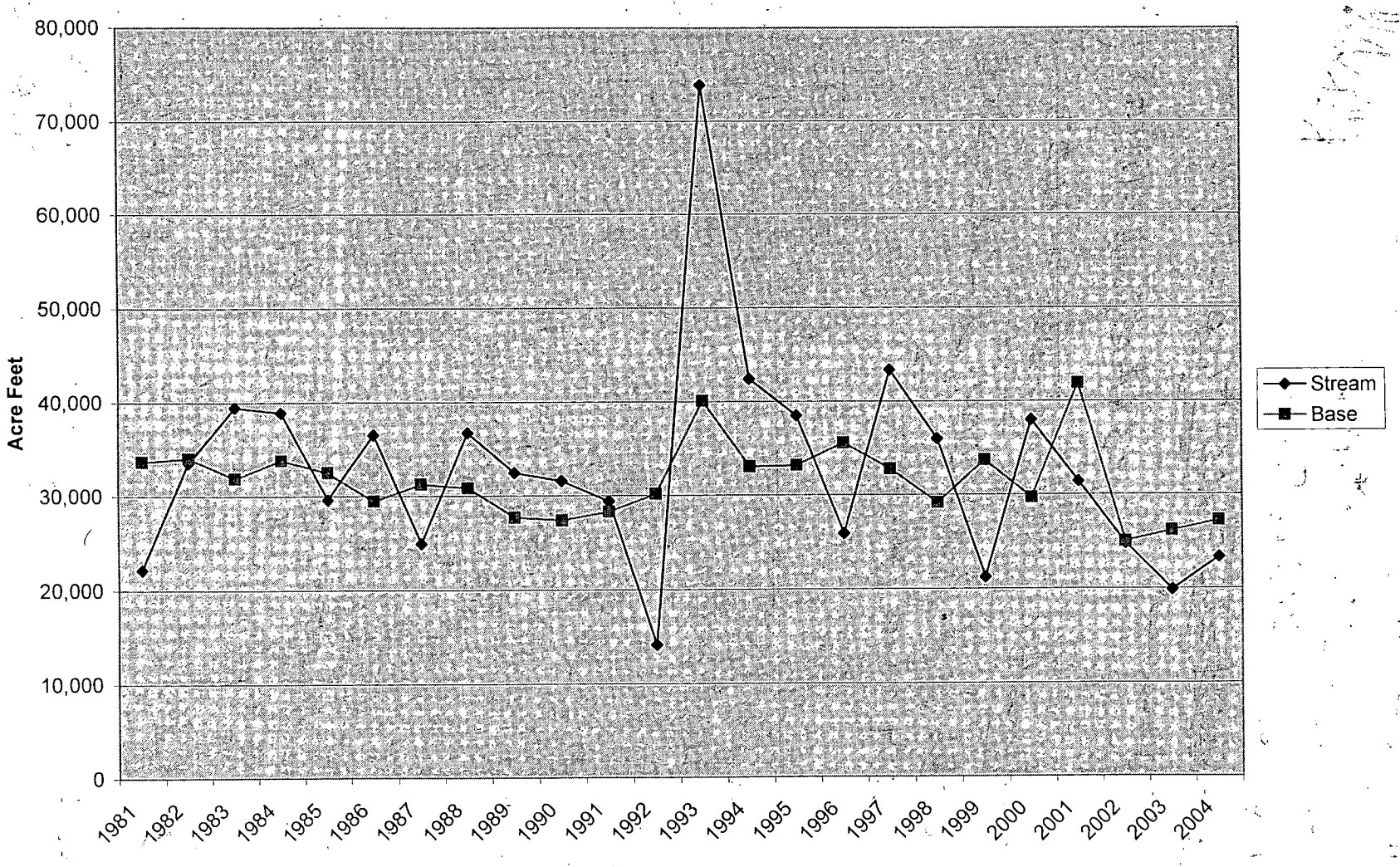
20~~0~~2-2020 Correct!

FINAL ALL CO = 2003
ALL KS = 2003
ALL NE SW = 2003
GWEX = 2003 X .95

KS all 2003
CO all 2003

~~Done~~
RERUN

Stream Flows -vs- Modeled Baseflows



0620 DryYrsALLBASE03_w_CREP Red.

CO=03
KS=03

all *.pmp 2006-2011 are =

Σ*pmp = ~~91,950~~ 91,948.2???

should = (from ScenBaseData \ Access Export tbl) = Acr 1,568,321 Vol = 1,866,800.9

2012-2020 Good

2003 official GWEX dbf Σacre = 1,636,322 ← should have this minus ~70,000 CREP acres

Σ vol = 2,057,778

2006AdjGWEX.dbf

2,057,778 x .95 = 1,954,889.1

Vol 1,954,889.1 − ~70,000 AF = 1,884,889

Acr: 1,636,322 − 70,000 = 1,566,322 good

~~2011~~ \ ScenBaseData \ 2006AdjGWEX.dbf : Acr = 1,568,313 Vol = 1,866,767

GWCO.dbf in (ScenBaseDat) Acres = 130,829.5 Vol = 91,948.0

~~ScenBase~~ \ OUT Σ*pmp ~~Acr~~ = 1,958,715 minus GWCO (91,948) = 1,866,767 Σ GWEX

→ 1,954,889 − 1,866,767 = 88,122 Red in Vol due to CREP

Acres: Agwe = 1,568,313 → official 03 GWEX 1,636,322 − 70,000 = 1,568,313

* This run had a Σ*pmp for 2006-2011 of 91,948.2 due to GWEX input problems ("year" was = 2003). This was fixed & replaced in RRPP \ NE files.

RERUN!

88,122 Δ Vol due to CREP

Sub or Function not defined.

```
Sub ExtractCompliance()
'
' ExtractCompliance Macro
' Macro recorded 9/22/2005 by PKoester
'
    Dim StartYear As Integer
    StartYear = 2005
    Dim EndYear As Integer
    EndYear = 2010
    Dim Year As Integer
    mypath = ThisWorkbook.Path
  '
    myname = ThisWorkbook.Name

    For Year = StartYear To EndYear Step 1

    filetoopen = FileNameSearch(Year)
  ' MsgBox (mypath)
  ' Exit Sub
    Workbooks.Open Filename:=filetoopen
    Sheets("T3 A,B,C").Select
    Range("E22").Select
    Selection.Copy
    Windows(myname).Activate
    Dim cellpast As String
    cellpast = 6 + Year - StartYear
    Range("B" & cellpast).Select
    Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks _
        :=False, Transpose:=False
    Windows(filetoopen).Activate
    Sheets("T5 C,D").Select
    Range("I5").Select
    Application.CutCopyMode = False
    Selection.Copy

    Windows(myname).Activate
    Dim cellpasttwo As String
    cellpasttwo = 17 + Year - StartYear
    Range("B" & cellpasttwo).Select
    Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone, SkipBlanks _
        :=False, Transpose:=False
    Windows(filetoopen).Activate
    ActiveWindow.Close
    Windows(myname).Activate
    Range("A1").Select

    Next

End Sub
```

06-20DryYrsBASE03SW04NoCREP_Red

~~200~~ CO → all *pmp files = for each year & = 2003 official *.pmp CO

KS → all *pmp files = for each year & → = 2003 official *.pmp CO

GWCO04dbf acres: 119,909.8 Vol: 71,862.4

All *.pmp files are = & Σ = 1,656,749.7

GWCO − 71,862.4

~~6873~~

*.pmp GWEX = 1,584,887 → This is from 'AvYr'

official GWEX03 dbf = 1,638,322 acres & 2,057,778 vol

× .95

1,954,889.1

WRONG!

Agw = 1,707,253

√ OUT file from 'ScenarioBase Data'

Σ*pmp = 2,026,751.6 minus GWCO 71,862.4 = 1,954,889.2 GOOD

~~1,954,889.2~~ 2,057,778 × .95 SW good! *mi good

I replaced 2006-2011 files with those from the OUT file. Obviously the 'AvYr' files got put in this file.

Corrected.

RERUN!

KS & CO good

CO is 2003

KS is 2003

Good!

Estimate of Location of CREP and EQIP Acres

FSA Physical County	SumOfSW Acres	SumOfGW Acres	Adj to full CREP for SW	Adj to full CREP for GW	Total	EQIP = 20% CREP
Chase		4039	0	6562	6562	2625
Dundy	281	4716	456	7662	8118	3247
Franklin	408	1347	662	2189	2851	1140
Frontier		2590	0	4208	4208	1683
Furnas	374	2068	608	3359	3968	1587
Gosper		2616	0	4250	4250	1700
Harlan	556	1064	904	1729	2633	1053
Hayes	205	1489	332	2419	2751	1100
Hitchcock	2396	1353	3892	2198	6091	2436
Red Willow	3274	1080	5319	1754	7073	2829
Webster	849	72	1380	116	1496	598
Total	8343	22432	13555	36445	50000	20000
	27%	73%				
	Adjustment Multiplier		1.62	1.62		

0620 Dry Yrs ~~[illegible]~~ BASE 03 SW04_W CREP Red

Σ*.pmp ~~Acre~~ = 71,863 AF ~~Vol~~ WRONG → This = 04 GWCO

GWEX*.dbf had 2003 instead of 2006!

~~[illegible]~~ Redo + check new files!

Σ*.pmp = 1,938,629

official 03 GWEX Vol = 2,057,778, Acres = 1,638,322

official 04 GWCO = 71,862.4, Acres 119,909.8

~~1,938,629 x .95 = 1,841,697.6~~ ← EPAP ~~should this~~ ~~minus~~ GWCO - CRE

A 2,057,778 x .95 = 1,954,889 ~~minus~~

CO = 03

KS = 2003

*mi = 2004

Should = 2003

2012-2020 all same

2006-2011 *pmp all same

Agw = 1,568,313

official GWEX Acres 1,638,322 ~~* GWCO Acres 119,909.8 = 1,758,231.8~~

− 70,000 CREP ~~− 70,000~~ CREP

1,568,322 GOOD ~~1,688,231.8~~

Aco = 119,909.8 Good

GWEX dbf "2006d, GWEX": Acres = 1568,313 Vol = 1,866,767

official GWEX 03 dbf = 2,057,778

Vol should = ~~Σ~~ 70,000 AF + less than .95* 2,057,778

.95 x 2,057,778 = 1,954,889.1 − 70,000 = 1,884,889.1

Σ*pmp (1,938,629) minus GWCO Vol 71,862.4 = ΣGWEX*pmp = 1,866,766.6 GOOD

I replaced all 4 categories of ~~[illegible]~~ irrig files, also replaced *mi files

RERUN!

'AVERAGE YEAR' 2005 THROUGH 2011 MODEL SCENARIO

All parameters and results of the 'Average Year' model run performed on the first week of October, 2005 are listed in the folder 'OFFICIAL_05-11AvYr_Base2004'. This run was performed to calculate and analyze the stream impacts of a series of years with average precipitation conditions. These model runs are based on an estimate of 2005 parameters, followed by six years of estimated 'average year' parameters.

The 2005 parameters are as follows for the 'average year' model run:

2005 canal seepage files as calculated using preliminary canal data
2004 surface water files (exclusive and commingled categories)
2004 groundwater-commingled pumping files
2004 evapotranspiration file
2004 reservoir levels
2004 municipal pumping files
2004 groundwater-exclusive category acres
2004 groundwater-exclusive category pumping multiplied by a factor of .851. This factor was determined by multiplying the ratio of the irrigation-season rainfall (May through August) in 2004 to the irrigation-season rainfall in 2005 by the pumping volumes in 2004, then multiplying this ratio by .95 to account for the 5% decrease in pumping agreed to by the NRDs in their Integrated Management Plans:

*12.1"(2004) / 13.5"(2005) * .95 = .851*

The 2006 through 2011 parameters are as follows for the 'average year' model run:

2004 canal seepage
2004 surface water files (exclusive and commingled categories)
2004 groundwater-commingled pumping files
2004 evapotranspiration file
2004 reservoir levels
2004 municipal pumping files
2004 groundwater-exclusive category acres
2004 groundwater-exclusive category pumping multiplied by a factor of .871. This factor was determined by multiplying the ratio of the irrigation-season rainfall (May through August) in 2004 to the average (1980 through 2005, excluding 1993) irrigation-season rainfall by the pumping volumes in 2004, then multiplying this ratio by .95 to account for the 5% decrease in pumping agreed to by the NRDs in their Integrated Management Plans:

*12.1"(2004) / 13.2"(2005) * .95 = .871*