

Notes from phone conversation with Dave Beck. On March 12, 2009

Gunnison-Fayette:

Gets only high water from San Pitch, this water borrows Sevier Water, instead of going into Yuba lake it goes to GF canal higher up, this number is reported to Jim Walker for lower Sevier accounting. The number on the WC summary page is on the lower right part of the chart, in 2009 this number was 5668 AF. I had a thought that this might be separated into Primary and Secondary water numbers to equate to on and off season water but apparently this number is always a loan from water that should have been in the Yuba lake that the G-F took out higher in the system from the san pitch, instead of diverting it from Sevier River system. For 2009 Dave Beck says that Gunnison irrigation total is 49,994 AF. All of the water to Gun. Fayette canal was 12 mile water which flowed too high to use in the Highland or the Oldfield canals, thus ran down to Fayette. So the net difference in the numbers is 3000 and that amount went to Gunnison Fayette

9 mile combines below Gunnison Reservoir reading, the Highland includes both the 9 mile reading and the 12 mile reading. PV (Pettyville) has 9 mile reading in it also

Flows into the Gunnison Resvr include Old Field, Highland, 12 mile, PV(has 9mile in it)
For 2009 this was $37056+6856=43,912$ AF

Mayfield is $\frac{1}{2}$ of the 12 mile reading, it is a primary water right from the 12 mile column

Pettyville + Highland reading = Highland, for 2009 the numbers were $23,000+13,466$

Yardley + Steve Freschntotc(Sp?)

Sterling number is 10,376

Gunnison Reservoir is 16,838

On Ephraim Olsen Ditch there is no reading, water comes out of the mountain, if it is not used it disappears in the riverbed alluvium and goes into GW recharge, eventually ending up in flowing wells and springs that feed Gunnison Reservoir. There was some discussion that the E-O Ditch can only carry 17 CFS during irrigation season, so to get the E-O number 17 CFS X irrigation season days, just need to track start and end times. This is already done on the Associated Spreadsheet. I contacted Jay Ivan Olsen (March 16, 2009 (435) 283-4376) he says that Ephraim Olsen uses 17 CFS max and allows any over that amount to go down, if there is any, most of the time there isn't 17 CFS so he would like to have measurement and only get charged for what E-O uses. (Need a Measuring Device). Not much chance of getting the E-O to form a company unless they were forced to by the state. He also says there is no measurement device to get the Price Diversion number but there should be.

For comparable information on E-O, we can consider using the Willow creek number which is usually about the same or comparable. We will look at this in 2009 on establishing measurement.

Price Diversion, comes in below cottonwood, there is no good measuring point, therefore the Price Diversion should be the same as the reading for Cottonwood (for 2009 that number was 20,130. The actual number may be the 20,130 and add Willow creek 6234 to get 26,364AF. J. Ivan Olsen, he understands how to spilt the Price diversion and the Ephriam- Olsen numbers. To keep the numbers comparable this should probably be the 6234 or 6215 AF number which should be used for the Price number as a fixed number until measurement is established. We will look at this in 2009 to get measurement there.

Willow Creek & Cottonwood creek:

$6200=$ Willow Creek + $20,130=26250$, this Willow Creek reading should always be around 6200 or 6215

**Lower San Pitch: Mike Silva's Supplemental Notes on Assessments
Methodology for Assessment Calculations**

Acct 16: Central Utah Water Conservancy District:

Is billed a fixed amount of direct assessment of \$5300 per year.

When the Assessment amount is entered into the Assessment Database, the system automatically calculates the split between Primary and Secondary assessment amounts for you. However these numbers should be checked and reviewed by the Distribution Engineer each year, as follows:

To calculate the primary and secondary assessment amounts:

- Take the assessment for the year: for 2009 it was \$17,600 and subtract \$5300: to get \$12,300.
- Take this result 12,300 and divide by 2: $12,300/2 = 6150^*$,
- Then add the CUWCD amount back in to get the primary assessment
- $6150 + 5300 = 11,450$ ← **This is the Primary Assessment**

To calculate the Secondary Assessment:

- Take the total assessment and subtract the Primary assessment to get the secondary Asmt. $17,600 - 11,450 = 6150$. ← **This is the Sec Assessment**
 - *Note that the Secondary assessment is half the primary without the \$5300 added.
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The remaining figures are entered as primary and secondary units in AF amounts

Note: In 2009 the minimum assessment was set at \$10 by the water users at the Lower San Pitch annual meeting.

Acct 8: Mayfield Irrigation Company:

- AF units are 42% of the 12 mile Total Diversion:
For 2009: $34576 \times .42 = 14,522$
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Acct 10: Palisade Lake Water User Association:

- Palisade number is the total shown under SM Canal (SM stands for Sterling Manti) The are allowed up to ½ of the 6 mile water, however they are limited by amount of storage in the Palisade Resvr so they cant take all of it.
 - Therefore AF units usually less than the 50% of 6 mile water they are allowed look under 6 mile for 2008 this number is 26,237 AF?
-

Acct 9: Yardley , Russell G. (is part of Gunnison)

Has a fixed AF of 79 AF primary and 49 of secondary

Acct 6: Gunnison Fayette Canal Co

Has high water before March up to 25 cfs secondary units –determine time.

Indications are that the canal wont hold more than 40 CFS, However flows records show amounts up to 70 CFS.

Easiest way is to look at the Distribution System Daily Records, Usually last page of the report for: "Lower San Pitch River, Below Old Field Canal", The AF totals for each month are already calculated for you on the last row.

I am assuming that the Irrigation “on” season water (March to October) is primary, and off season water (Nov- Feb) is secondary. Add each month together to get the year’s total in AF, keeping the On and Off season water separate to get figures for primary and secondary amounts.

Example on How to calculate Gunnison Fayette Canal Co. Primary and Secondary diversion amounts, Using 2009 Data:

2009	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Sec	676.4	632.7									926.3	983.8	3219.2
Pri			755.7	0	307.4	1344.8	0	0	0	0			2407.9

Gunnison Fayette: Note that another method described an alternate method to Calculate: take the off season water flow, CFS per day:

_____ CFS x 1.9835 = Total AF per day, Then sum all days to get Total AF per month

Acct 4: Gunnison Irrigation Company:

Gunnison irrigation amounts if the total amount accounts for the amount sent to Gunnison-Fayette canal (5,668) and has been deducted from Gunnison irrigation.

Is billed a fixed amt of 14,023.00 (AF Primary) and 30,974 (AF Secdary)
 Comis Report indicates to get the Gunnison Diversion Amount, add:

Pettyville	23244
12Mile to Highland	13466
Oldfield	6856
9 mile	3428
Gunnison Total:	46,994 AF

There are two other Gunnison accounts on the roster:

Acct 15: One showing 13 primary and 1 secondary,

Acct 14: The other showing 0 primary and 1 AF secondary

Not sure where these numbers come indications are they stay fixed or are billed the minimum assessment each year. For 2009 Dave Beck says that Gunnison irrigation total is 46,994 AF. All of the water to Gun. Fayette canal was 12 mile water which flowed too high to use in the Highland or the Oldfield canals, thus ran down to Fayette.

Harold Hanson Harold Hansen is separate from Gunnison irrigation. He receives an amount after Mayfield is measured and before Gunnison is measured. There was a note about Harold Hanson being part of Gunnison Irrigation, we still charge him and his account standard amounts of 85 primary and 11 secondary.

Acct 5: San Pitch Drainage District has about 15,000 AF of diversion rights. Look at the Net to Drainage District section at the bottom, use the figure on the lower right of the page for the current year.

- For the DD, note that the measurement method is not very accurate. Typically they over divert and waste water (ice and evap/flooding) Better measurement should be established. In the meantime, the Diversion limit should be checked and then limited to the 15,000 AF limit then no longer allowed to divert water. For this reason, the DD numbers typically hover around or over the 15,000 AF amount.

Price Diversion & Associated Accounts

A number of accounts are associated with the “Price Diversion” .

? This AF number comes from the ??? West Drainage canal ??? _____ on the far left side of the Summary table. ???

Account numbers and names with the decimal percentage portion of each account was prepared according to a page found in the assessment notes. A spread sheet was developed that calculates the primary units for each account once you insert the Price Diversion AF units in the yellow box at the top. (See xl spreadsheet) at:

G: Distribution\LowerSanPitch\Assessment\Price Ephraim Olsen calc

Price Diversion						
Flow up to 10 CFS for 452 acres 2260 AF Water Use limit according to Cox Decree Pg 132						
Price Diversion	AF Units-->	2260				
Use as Primary Units on Assessment roll						
Account #	Name	% Share	Result in AF	Primary Units	Secondary Units	
29-1A	Christensen, Don	0.0352	79.55	70.51	9.05	
29-1B	Christensen, Rich	0.1523	344.20	305.07	39.15	
29-1C	Reed, Thomas	0.0044	9.94	8.81	1.13	
29-1D	Lamb, Ron	0.007	15.82	14.02	1.80	
29-1E	Lamb, Scott	0.0528	119.33	105.76	13.57	
29-1F	Larsen, Price	0.1188	268.49	237.96	30.54	
29-1G	Rees, TJ	0.0062	14.01	12.42	1.59	
29-1H	Rees, Roger	0.0062	14.01	12.42	1.59	
29-1I	Lamb, Scott	0.0062	14.01	12.42	1.59	
29-1J	Unk owner inactive	0.0088	19.89	17.63	2.26	
29-1K	Larsen, Price	0.0352	79.55	70.51	9.05	
29-2A	Bailey Bros	0.2324	525.22	465.51	59.74	
29-2B	Thompson, Kay	0.2147	485.22	430.06	55.19	
29-2C	Sorensen, Ken B	0.0264	59.66	52.88	6.79	
29-2D	Thompson, Kay	0.0211	47.69	42.26	5.42	
29-2E	Thompson, Kay	0.0264	59.66	52.88	6.79	
29-2G	Hansen, Harold	0.0423	95.60	84.73	10.87	
29-2H	Larsen- Ronde	0.0035	7.91	7.01	0.90	
Total should equal 1--		>	0.9999	2251.86	2002.86	257.05 2259.91

Ephraim-Olsen Ditch Accounts:

A number of accounts are associated with the "Ephraim Olsen Ditch" In 2009 and a few years prior the Ephraim Olsen Ditch was not measured. Although the flows are not always at the Water right, we Currently we use flow of 17 CFS during the irrigation season to arrive at this number. In 2009 we will be investigating a measuring point for obtaining data.

Below are the Account numbers and names with the percentage portion that calculates the primary units for each account, just insert the AF units in the yellow box in the spreadsheet: This is the bottom portion of the same spreadsheet on the previous page:

G: Distribution\LowerSanPitch\Assessment\Price Ephraim Olsen calc

Ephraim Olsen Ditch					
Flow up to 17 CFS for 1243 Acres 6215 AF Water Use limit according to Cox Decree Pg 165-166					
Ephraim Olsen Ditch	AF Units--> 6215		Use as Primary Units on Assessment roll		
Account #	Name	% Share	Result in AF	Primary AF	Secondary AF
29-3A	Larsen- Price	0.2165	1345.55	1131.61	214.01
29-3B	Larsen- Price	0.3417	2123.67	1786.00	337.77
29-3C	Olsen, J Ivan	0.0689	428.21	360.13	68.11
29-3D	Olsen, Perry	0.0465	289.00	243.05	45.97
29-3E	Olsen, J Ivan	0.0537	333.75	280.68	53.08
29-3F	Larsen, Ronde	0.0403	250.46	210.64	39.84
29-3G	Mackelprang, Lee	0.1333	828.46	696.73	131.77
29-3H	Olsen, J Ivan	0.042	261.03	219.53	41.52
29-3I	Larsen, Karl	0.0358	222.50	187.12	35.39
29-3J	Larsen- Price	0.0215	133.62	112.38	21.25
Total should equal					
	1-->	1.0002	6216.24	5227.86	988.696216.55

Master Spreadsheet for Lower San Pitch: This is the sheet you work off of to enter the Assessment AF numbers into the Assessment program. Just be sure to use the latest XL spreadsheet not the one below.

This spread sheet has been developed to Demonstrate what figures are needed from the commissioner to complete the entry of the assessment numbers. As a rough guess compare entry figures against the "Should Be" numbers for approximations on entry accuracy, with respect to both primary and secondary units in AF. Note Yellow boxes indicate numbers needed from the commissioner, beside the Price and EphriamOlsen numbers on previous pages.

Account Summary for Preparing Assessment Numbers & Billing in AF Units

Account #	Should Be	AF Amount	Should Be	Seq	Account	Billing
29-	Primary	Primary	Secondary	Secondary	Number	Entity
2A					1	101217 BAILEY BROTHERS FARM
16		Fixed-->	\$5,300		2	101205 CENTRAL UTAH WATER CONSERVANCY DISTRICT
1A					3	101206 CHRISTENSEN, DON
1B					4	101207 CHRISTENSEN, RICHARD
6		NA	5668		5	101236 GUNNISON FAYETTE CANAL CO
15			1		6	101204 GUNNISON IRRIGATION CO
14			1		7	101203 GUNNISON IRRIGATION COMPANY
4	14023	14023	32971	30974	8	101234 GUNNISON IRRIGATION COMPANY
2G					9	101222 HANSEN, HAROLD
1D					10	101209 LAMB, RON
1E					11	101210 LAMB, SCOTT D
1I					12	101214 LAMB, SCOTT D
3I					13	101232 LARSEN, KARL P.
2H					14	101223 LARSEN, RONDE R
3F					15	101229 LARSEN, RONDE R
1F					16	101211 LARSEN-PRICE LIVESTOCK LLC
1K					17	101216 LARSEN-PRICE LIVESTOCK LLC
3A					18	101224 LARSEN-PRICE LIVESTOCK LLC
3B					19	101225 LARSEN-PRICE LIVESTOCK LLC
3J					20	101233 LARSEN-PRICE LIVESTOCK LLC
8		8508	NA		21	101237 MAYFIELD IRRIGATION COMPANY
3G					22	101230 MCELPRANG, LEE
3C					23	101226 OLSEN, JAY IVAN
3E					24	101228 OLSEN, JAY IVAN
3H					25	101231 OLSEN, JAY IVAN
3D					26	101227 OLSEN, PERRY
10		10376	NA		27	101202 PALISADE LAKE WATER USERS ASSOC
1H					28	101213 REES, ROGER
1G					29	101212 REES, T J
5	15000	15884	NA		30	101235 SAN PITCH RIVER DRAINAGE DISTRICT
2C					31	101219 SORENSEN, KENNETH B
1C					32	101208 THOMAS, REED
2B					33	101218 THOMSON, KAY
2D					34	101220 THOMSON, KAY
2E					35	101221 THOMSON, KAY
9			49		36	101238 YARDLEY, RUSSELL G

	Comis Numbers
	Price Ephrm Olsen Page
	Price Ephrm Olsen Page