40,000 irrigated acres from surface and groundwater (estimate for OR and WA)

46,600 ac ft is average diversion at LWW diversion (from Corps Flow Study 2012)

WWRID 250 accounts, 3212 acres (acres being reduced with remapping?)

3200 acres x 11.2 gpm/acre, Can divert up to 120 cfs

HBDIC 110 users, 8000 acres (were acres reduced with remapping?)

8.5 gpm/acre delivered, Can divert up to 130 cfs (also has Pine Ck water right)

GFID 65 users, 7000 acres, Can divert 93 cfs (Apr 1 – July 1), 70 cfs (July 1 – Oct 1), 140 cfs (Oct 1 – Apr 1)

35,000 ac ft Certificated, 27,517 ac ft highest use in 15 years prior to Local Water Plan 2010

Fruitvale Water Users Assoc. 5.48 cfs, 45 owners, 1300 acres

Other river irrigation

Upriver 32.5 cfs, about 890 acres

Lower river d/s of GFID’s Burlingame diversion, 34 cfs+??

Touchet East West diversion of Touchet River 1973 acres, 41 cfs (from CoE study 2012)

Walla Walla river at MF produces approximately 170,000 ac ft/year (175,100 ac ft, Corps Study 2012)

(North fk = 36,000 + South fk = 129,000) total is 167,000 (estimated from OWRD Basin Report 1988)

(North fk = 35,110 + South fk = 127,400) total is 162,510 (from USGS WW Sediment Report 1969)

The daily average flow values for Grove Bridge and Pepper Bridge converted those to daily acre-foot values, then summed the acre-foot values by water year. Below are general ranges for the last ~10 years.

Grove bridge gage= Low of 125,000 AF and High of 238,000 AF

Peppers bridge gage = Low of 58,000 AF and High of 172,000 AF

This suggests that about 60-70,000 AF are used for irrigation or lost due to seepage/evaporation each water year.

These are rough numbers and we will need to do additional analysis to get better numbers and some figures to see how much of this water is “available” for storage/recharge/etc.

CTUIR staff have determined that an additional 35,000 acre feet at Peppers Bridge is needed for fish passage and habitat flows.

Mill Creek produces 69,000 ac ft/yr (estimated from OWRD Basin Report 1988)
Dry Creek produces ________ac/ ft yr
Pine Ck produces 10,200 ac ft/yr (from Corps Flow Study 2012)
Couse Ck ________ ac ft/yr
Cottonwood Ck ________ ac ft/yr
Birch Ck ________ ac ft/yr

50% Water availability #s from OWRD (after water rights, including any instream rights removed)
WWR 33,800 ac ft
Dry Ck 6,630 ac ft
Pine Ck 6,900 ac ft
Total for a pine Ck reservoir is 47,330 ac ft (but environmental flow and peak flows would reduce this)

Potential WW River Diversion amounts for storage
100 cfs for 6 months = 36,000 ac ft/yr
70 cfs for 6 months = 25,000 ac ft/yr (current SAR allowed amount in OR)

The current minimum instream flow requirements in the Walla Walla River are as follows:
Nov 1- Nov 30=64 CFS
Dec 1-Jan 31=95 CFS
Feb 1-May 15= 150 CFS
For a total of 46,401 acre feet.