

MARSH CREEK WATER DISTRICT 45F

FEBRUARY 29, 2012

WATER MASTER'S 2011

ANNUAL REPORT

I would like to thank all of the Water District Members as a whole for the overall cooperation on the call of water during this last irrigation season. Marsh Creek Water District members were all paid this last year. I believe in most cases that we did work as a team when it counted.

It was a very unusual irrigation season. We had plenty of moisture at the beginning of the irrigation season which kept a lot of calls to a minimum but did extend our surface water season out. Marsh and Land Creeks a good 3 to 4 week's longer. It especially showed up on the Howell Creek drainage. Summit Creek extended out helping those Users on Howell Creek below 1000 South. We did utilize a total of 8500cfs verses the projected 2011 billing of 6356cfs thus going from the estimated \$3.21percfs to \$2.55percfs. I did call for a portion of the water right off the first right on Howell Creek Sept 14th leaving 1.0 CFS as of Oct 9th no one was utilizing any of the first right on Howell Creek therefore it was flushing all the way to the Reservoir therefore, I was able to handle calls on the Westside of the valley.

- It will be noted that Amos Creek ran all season (estimated 1.60cfs max to .35cfs min).
- Summit Creek extended its self way into the season even though it was dry above Smyer Reservoir.
- Rose Creek and Broad Hollow both started out slow but Rose Creek lasted all season with Broad Hollow cancelling out In June for beneficial use.
- Most of the springs along the whole mountain frontage of the Water District have yet to reestablish.

City of Albion, took on a project of piping their delivery system from the central distributing diversion off of Vaughn Ditch Lateral (located on Six S Merrill Ranch) to the cities central point of distribution to both the city of Albion and the Albion Heritage Group LLC (known as the Campus) delivering the full 1.35cfs. Cities call of .91cfs and .44cfs to Campus.

It will be noted

City of Albion during the storm on Jan. 16-19 a flooding situation did occur with all the moisture coming off of snow pack and rain from the meadows directly west of the city. The Vaughn Ditch return to Marsh Creek was completely clogged up with Cattails and ice buildup. The water Users on that return lateral needs to maintain that lateral. The other problem area is at the intersection of Whitman Ave and West Streets are too small of a culvert running under road to handle the cities return to the creek. The city Council has been informed of the problem.

that on or around January 16 – 19 a flooding situation was averted due to the development of auxiliary ponds in 2008-11 that were developed under the Partnership of Six S Ranch, Ducks Unlimited and IDWR. Declo under the old condition's, would have been flooded. Again Six S was able to release the Pressure of the tremendous water flow to these ponds eliminating flooding below.

Most of the decreed surface users have resolved their problems with their delivery systems which have been implemented.

- Some weirs that were implemented need additional work done to them.
- We still have a few diversion and measuring devices that are not in line legally, who have yet to adhere or comply too the water districts request in the extension given by the board in our last few meetings.
- Hollow Creek 18" Parshall Plume Diversion "HB" was leveled out last fall by Grant Clark

We need those diversions corrected so delivery of water can be measured correctly and not estimated. Those individuals not in compliance will be sent a personal request.

As your Watermaster, again on Feb. 2, 2012, I placed Earl Warthen's name in for nomination to represent MCWD45F at all meetings with Water District 140 dealing in the Ground Water Exercise, Shawn Burton Maintenance Mgr. Albion City, as alternate.

Additional Action Items:

I am requesting as your current Water Master, some action from this delegation today on the following items:

Again, we need a clarification from the Water master of 140 as too the specific type of Flow-meter that is required for the deep wells. I am still receiving inquiries from Deep Well users the type of flow-meter to best measure an inline flow on a closed system (surface).

- The members of the Water District 45F to continue with considering using the Water District No. 140 staff in certifying the wells. Still under consideration is the reading and posting data, generating annual reports for the state by the Watermaster of 45F, thus eliminating excessive undue cost. The Watermaster of 45F would not be charging the \$55.00 hourly rate that Water District No. 140 would charge.
- **Notice of Change in Water Right Ownership:** Individual's who purchase property ground, need to get there water right transfers and property deeds inline and registered with Idaho Department of Water Resources. This last year I'm running into this problem with the Asher and Chatburn Ranch's. The diversions need to be recorded within 90 days! As it stands right now I have incomplete data in recording a proper distribution in charging individuals and down the road when an individual calls for his water I might either be long or short depending on the individual's cfs.

The Legal Pump Diversions in creek's:

The Water District did indicate through Allen Merritt's ruling that if that water right is down to a portion of the right and it has to go to the next in line, it is shut off irregardless, if the individual persists to use a pump then there shall be a monitor required instead of guessing on usage.

- As the Water-master, here are some following options that **SHALL** be implemented. 'ABB C-700 Water Meters vary from the Minimum of ¼ GPM to 25 GPM maximum (¾"size) to a 1" to 2" sizes that will deal in GPM from ¾ to 2 and max out respectively 25 to 50 GPM. See me for more information.

Point of Interest:

Six-S Ranch developed a new Reservoir during the 2004 season, completing the project in December 2004. The dam that was constructed is called "Point of Rocks Dam" was constructed to a height of 25+/- feet. The homogenous/zoned earth fill dam provides storage of 253 acre-feet for irrigation, recreation, and fish and wildlife propagation. Although originally designed as a thin core dam, the dam was constructed as a section dam with the upper 2/3 consisting of impervious material and the lower 1/3 of pervious material. The irrigation project services an area consisting of 1,541 irrigable acres under existing distribution systems from Marsh Creek.

The 6S-Ranch's two sediment catch basins (with the following dimensions (225' long, 10' deep, 60' wide) were constructed immediately adjacent to Marsh Creek and 6S-Ranch's property in the SENW of Section 22, Township 11 South, Range 25 East, Cassia County. The purpose of these catch basins is to substantially reduce the amount of sediment and debris coming from Marsh Creek, thereby improving its water quality. It will be noted that this is working very well and will keep from filling the Reservoir with silt

Respectively submitted by;
Don G. Gunderson, Water Master
Marsh Creek Water District 45F

Cc: Advisory Board Member's:
Jeff Chatburn, Leroy Robinson
Pat Mc Cammon,
Elected Chairman 2012 Annual Meeting
Water District Member's 45F (30 copies (request))