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DEPT. OF WATER RESOURCES
SOUTHERN REGION

Marsh Creek Water District 45F

March 2, 2011

Water Master's 2010 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. I did have to make a couple of users believers, but we did work as a team when it counted. Everybody did there part.

It was a very unusual irrigation season. Howell Creek on May 10 was running an estimated 20-30 inches at the switch back up Howell Canyon any moisture from the snow was going straight, into the ground. Rains came at the right time, extending water into the irrigation season an estimated 1 ½ to 2 weeks longer. It especially showed up on the Howell Creek drainage.

I did have to call for the complete first right at the head of Howell Creek this year on August 26th and returned it all back by the 12 October. I might also indicate that the other factor for extending the water season was twofold, Summit Creek and the Rock Dam Reservoir, which the water district has profited from.

It will be noted that Amos Creek ran all season (estimated 1.20cfs max to .18cfs min). Summit Creek extended its self into the season. Rose Creek and Broad Hollow started out real slow and into May 25th ran about 1.10cfs on Broad-Hollow, Rose Creek 2.0cfs to get beneficial use of the water it was combined on the 30 of May and peaked out combined at 4.0cfs on June 20 (approx 9 days at 200 inches). Most of the springs along the whole mountain frontage of the Water District have yet to reestablish.

Pomerelle Ski Resort has in place a Flow-meter at Bennett-spring. I could not get a reading due to it being under snow. Therefore, at this meeting I am lacking this input within my reports. As Pomerelle continues to make their projected changes, as your watermaster, I will continue to monitor and make sure they meet the guidelines that have been set by IDWR under the Adjudicated Water rights that were presented to the MCWD and Watermaster 45F.

- It will be noted once again, Pomerelle Ski Resort does have in place, their first pond in above the Lodge and was inspected by the water master, IDWR and was approved with a little reluctance from the U.S. Forest Dept. due to some of their lease agreement requirements.

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 two meetings. 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.

It will be noted that on or around January 16 – 19 a flooding situation was averted due to the development of auxiliary ponds in 2008-10 that were developed under the Partnership of Six S Ranch, Ducks Unlimited and IDWR. Declo under the old condition's, would have been flooded. Six S was able to release the Pressure of the tremendous water flow to these ponds eliminating flooding below.

As your Watermaster on Feb. 3, 2011, 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:

1. 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. Also the type of flow-meter to best measure an inline flow on a closed system (surface).
2. *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.

3. *The City of Albion and the Campus get their water rights corrected and the Campus's Mitigation on ground that is allowed to be irrigated. Current status on certification utilizing the enclosed Cities water system and the Surface water systems that are currently pumped through an enclosed sprinkler system!*

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 in 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 2010 Annual Meeting
Water District Member's 45F (30 copies (request),,

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