

SHEEK DITCH IRRIGATION SYSTEM (AS EASY AS TURNING ON THE HOSE?)

Your system may look and sound confusing, but it is really pretty simple.

You own rights to either adjudicated water or project water (lake water).

Whether you are using your adjudicated water or your lake water, you are responsible for opening your valve until your meter reads no more than you are allowed. And once your lake water is used up, or your adjudicated water priority is gone, you are responsible to turn off your water.

Your adjudicated water is figured in cubic feet per second (CFS.)

Your lake water is figured in acre feet (AF.).

The meter on your property is in gallons per minute (GPM.).

This all sounds complicated but once you do a simple conversion, it's not so bad.

If you are using your adjudicated water, use the following conversion.

One cubic foot per second = 450 gallons per minute.

So, if you own .557 CFS, simply multiply $.557 \times 450$ which equals 250.650 or 250 gallons per minute. That would be the maximum GPM you may open up your valve.

$.2 \times 450 = 90.0$ or 90 gallons per minute,

$1.2 \times 450 = 540.0$ or 540 gallons per minute, Etc...

If you are using your lake water, it involves a few more steps.

First, to use your lake water, you must call for it to be released from the lake. You do this by calling Gary Kennedy at 533-7325 on either Monday or Thursday.

If you call Monday, your water will leave Jackson Lake Tuesday morning and arrive at your outlet Tuesday evening at 5:00 PM. That is when you may begin using your water. It will run for a **minimum of 3 day** (until Friday at 5:00 PM.).

If you call Thursday, your water will leave the lake Friday morning and you may begin using it Friday evening at 5:00 PM. It will run for a **minimum of 4 days** (until Tuesday evening at 5:00PM).

It is very important to tell Gary how many days to let you water run. Otherwise it will continue running until your water is used up.

Bell & Julie Boyer

PRIORITY
39

The minimum amount of lake water you may call in is $\frac{1}{4}$ ft.

$\frac{1}{4}$ ft will allow you to take 112 gallons per minute for twice as many days as you have in acre feet. So if you own rights to 5 acre feet, you can run your water at 112 gallons per minute for 10 days. Once the 10 days are up, your water is done for the season. 6 acre feet would last 12 days, 20 would last 40 days etc... You can call in more than $\frac{1}{4}$ FT if you want. You would receive more GPM, but it would not last as many days. You have to do the math and calculate your GPM and how long it would last depending on how much you call in Use $\frac{1}{4}$ ft = 112 GPM for twice as many days as acre feet you have as a base to calculate from.

Then you just have to decide how many gallons per minute and for how many days you want your water running and call it in accordingly. If you own 5 acre feet, you might want to run your water at 112 GPM for 3 days one week, wait 2 weeks, then run it for 3 days again, wait 2 weeks and then run it for 4 days. Then your 10 days would be over and you would be done for the season.

It is permissible to share your water with someone else on the ditch. For instance, if you only need 56 GPM, you could call in $\frac{1}{4}$ FT of your water. Your neighbor could use 56 GPM and you could use 56 GPM for a total of 112 PGM. Later you could do the same with your neighbor's water. This would give you twice as many days with water (Less GPM but more days).

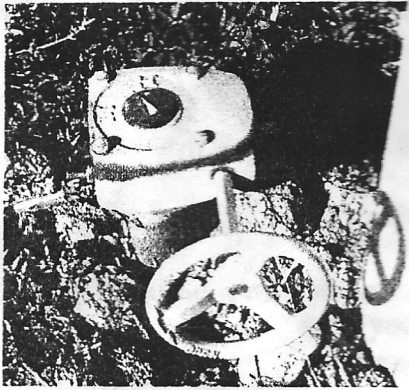
YOUR SYSTEM.

Your system consists of.

- 1) A valve.
- 2) A meter.
- 3) A vent.
- 4) A drain valve
- 5) An outlet.

To use your system, open your valve (always do so slowly), check your meter to see that you are using the proper gallons per minute, and make sure your ^{VENT} valve is sealed. Sometimes the ball in the vent will get clogged and needs to be cleaned. If cleaning doesn't work, the ^{vent} valve should be replaced.

At the end of the season, you might want to open your drain valve to purge your pipes to protect from freezing.



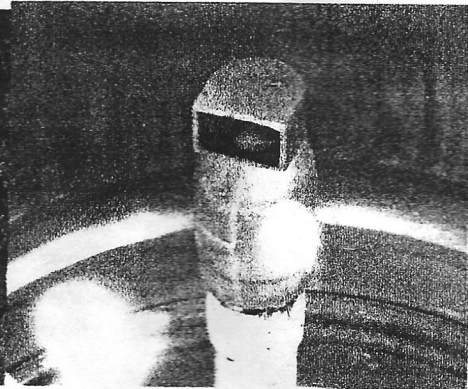
Valve



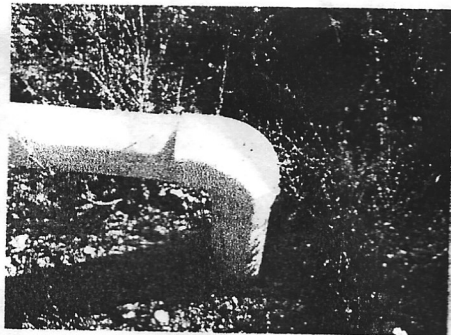
Meter w/lid closed



Meter



Vent



Outlet



Drain Valve