

# Frenchman-Cambridge Irrigation District



Water Users Meeting

December 5, 2017 - 1:30 PM

Board of Directors:

Division #1 Todd Lichty - Vice President

Division #2 Dale Cramer - President

Division #3 Duane Vorderstrasse - Treasurer

# 2018 BUDGET PROPOSAL

## Income

Based on operating 3 canals

2018 Rate = \$4.00 per acre-inch allocated  
plus \$4.00 per acre.

*Water is Life*

# 2018 WATER ADMINISTRATION

2018 will be declared a “Compact Call Year” by DNR (Jan. 1, 2018)

*2017 Balance = 26,600 AF (Guide Rock)*

*31,300 AF (Hardy)*

*2018 Forecast = (31,300) AF*

*Total projected shortfall including Remaining Compact Compliance Volume for 2017-2018 of approximately = (23,500) A.F.*

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# 2018 WATER ADMINISTRATION

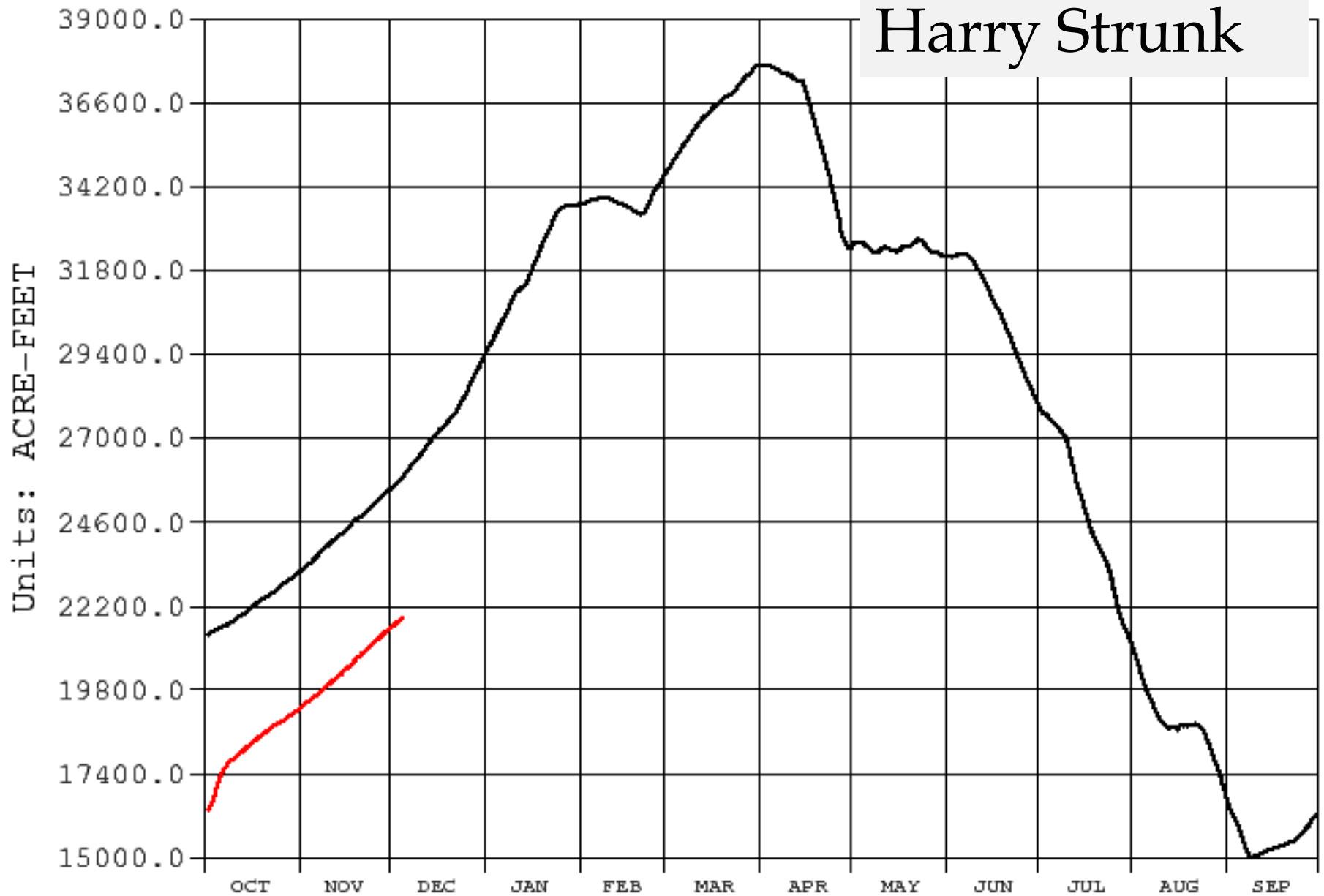
- N-Corpe and Rock Creek will not operate this spring. They may need to operate in the fall of 2018.

*Water is Life*

# 2018 Water Supply

- Harry Strunk Reservoir
- Hugh Butler Reservoir
- Swanson Reservoir

# Harry Strunk



HSNE Harry Strunk Lake (Medicine Creek), NE  
AF Reservoir Storage Content (acre-feet)

2017 2018

# Harry Strunk Reservoirs Storage

	Elevation	Acre-Feet
Top of Irrigation Pool	2366.10	34,647
* FCID Contracted Shut Off Elevation/Content AF	2343.00	7,897
<i>FCID Contracted Irrigation Pool Capacity at 100% Full</i>	23.10	26,750
<b>Elevation / Content in AF</b>	<b>2357.57</b>	<b>21,896</b>
<b>% of Full Capacity</b>	<b>63.2%</b>	
<b>Current 2018 Irrigation Supply</b>	<b>Feet</b>	<b>A.F.</b>
	14.57	13,999
Monday, December 04, 2017	% Irr. Pool	52.3%
<b>One Year ago</b>		<b>25,900</b>
<b>Change</b>		<b>-4,004</b>

# CAMBRIDGE CANAL 2017

**Total Canal Diversion = 25,406 AF**

**Delivered to the Farm = 9,152 AF**

**Total Acres Irrigated = 12,683**

**In per acre = 8.66 inches per acre**

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# 2018 WATER SUPPLY

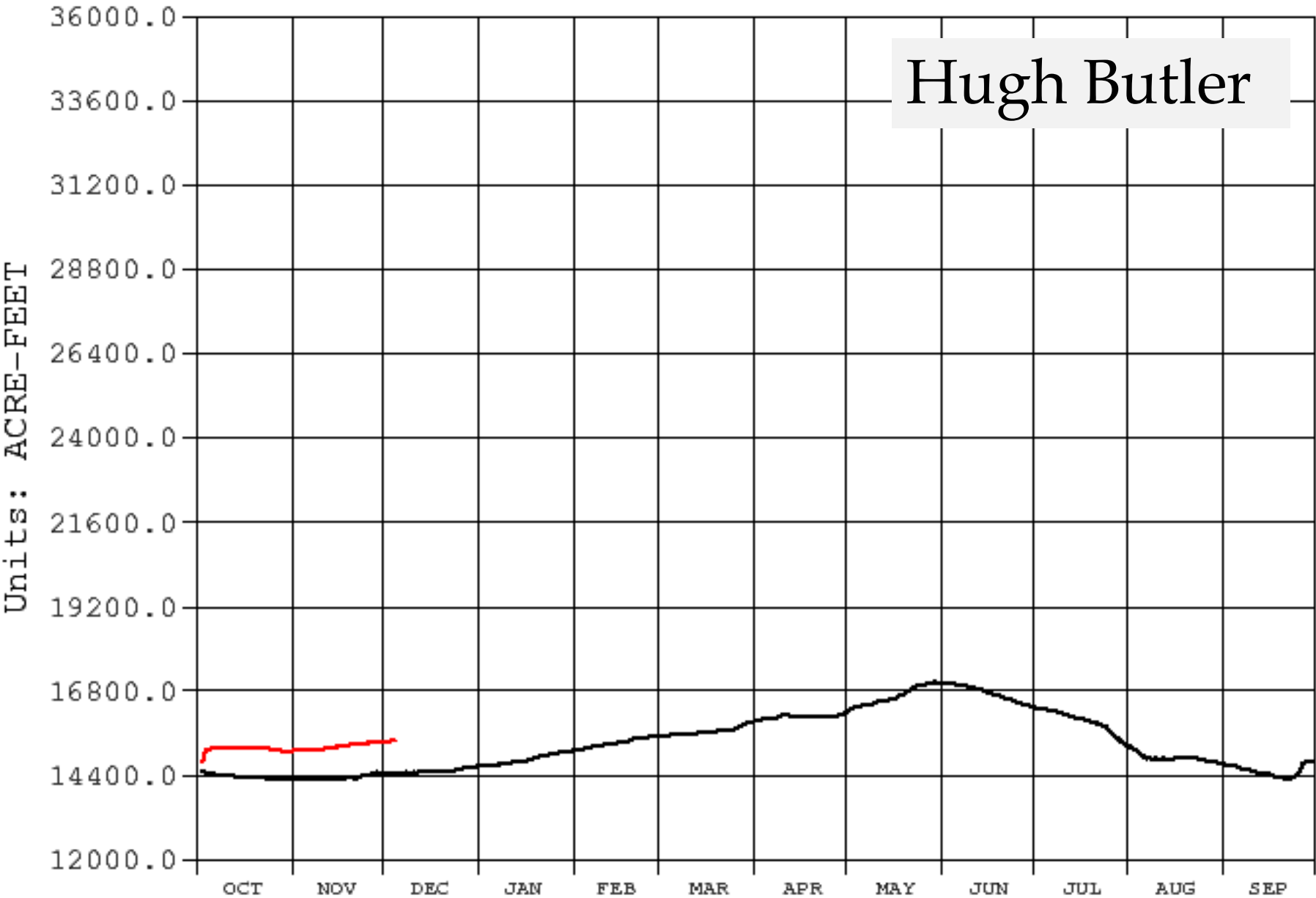
Harry Strunk should fill and spill by June 1<sup>st</sup>.

2018 allocation will be 8-inches per acre with

An additional 1-inch per acre will be available

*Water is Life*

# Hugh Butler



HBNE Hugh Butler Lake (Red Willow Dam), NE  
AF Reservoir Storage Content (acre-feet)

2017 2018

# Hugh Butler Reservoirs Storage

	Elevation	Acre-Feet
<b>Top of Irrigation Pool</b>	<b>2581.80</b>	<b>36,224</b>
<b>* FCID Contracted Shut Off Elevation/Content AF</b>	<b>2561.00</b>	<b>11,212</b>
<b><i>FCID Contracted Irrigation Pool Capacity at 100% Full</i></b>	<b>20.80</b>	<b>25,012</b>
<b>Elevation / Content in AF</b>	<b>2565.72</b>	<b>15,413</b>
<b>% of Full Capacity</b>	<b>42.5%</b>	
<b>Current 2018 Irrigation Supply</b>	<b>Feet</b>	<b>A.F.</b>
	<b>4.72</b>	<b>4,201</b>
<b>Monday, December 04, 2017</b>	<b>% Irr. Pool</b>	<b>16.8%</b>

**One Year ago**

**14,463**

**Change**

**950**

# 2018 WATER SUPPLY

## Hugh Butler Reservoir

**Provisional** Red Willow Canal allocation estimate would be 4-inches per acre to all 4600 permitted acres.

Or 6-inches per acre to 2900 surface water only acres.

Co-mingled acres would need to agree to forgo a surface water allocation.

**A final decision will be made in February 2018**

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# BARTLEY CANAL

Meeker-Driftwood Canal spillback.....	1,585 AF
Hugh Butler Releases .....	863 AF
Bartley Pump Station.....	699 AF
Natural Flow .....	<u>4,989 AF</u>
Total Diversion.....	8,136AF

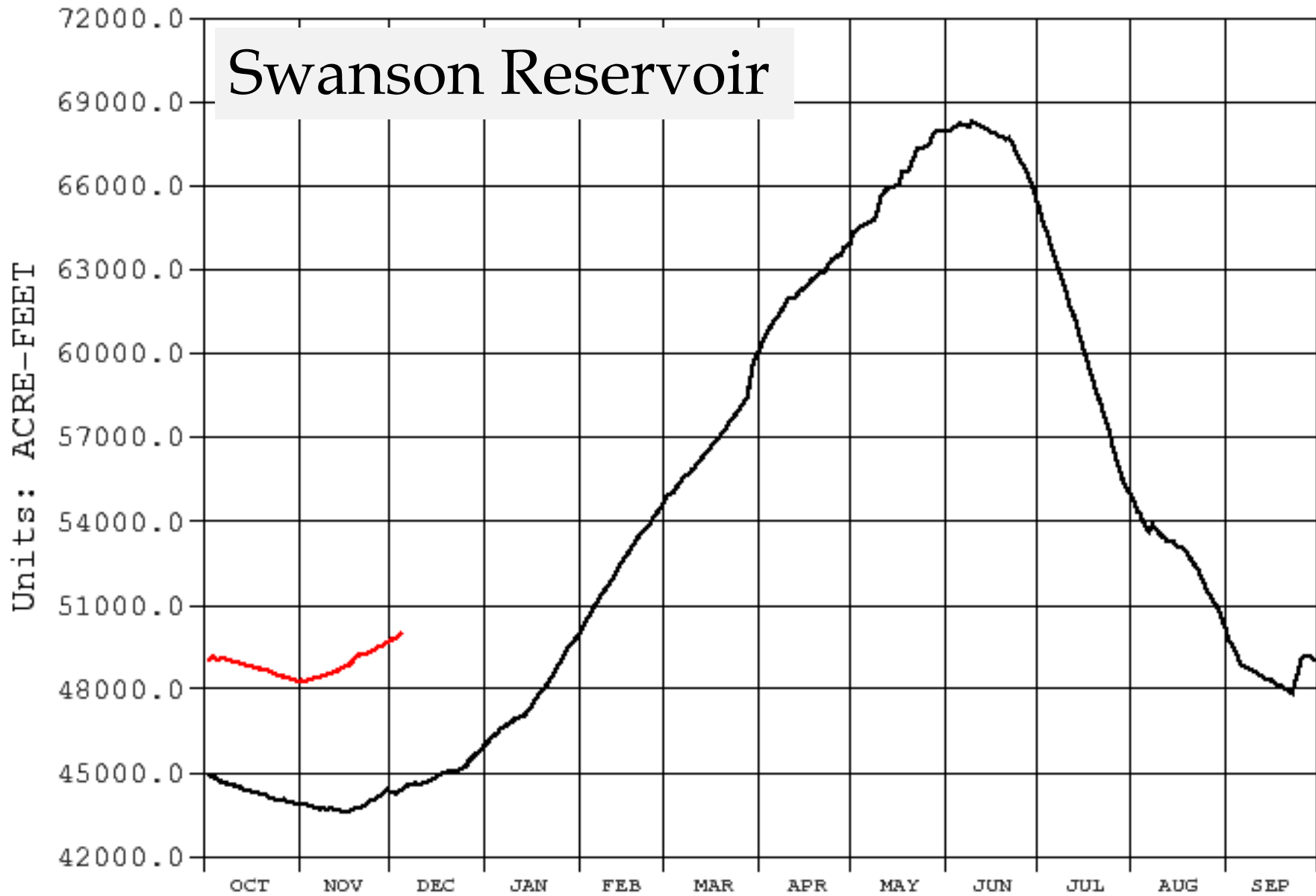
Delivered to the Farm = 2,426 AF AF

Total Acres Irrigated = 3,474

In per acre = 8.38 inches per acre

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# Swanson Reservoir



TRNE Swanson Lake (Trenton Dam), NE  
AF Reservoir Storage Content (acre-feet)

2017 2018

# STREAM AUGMENTATION

## State of Colorado

*(Colorado Compliance Pipeline or CCP)*

2014.....	7,448 AF	
2015.....	10,760 AF	
2016.....	10,130 AF	
2017.....	11,500 AF	Provisional
2018.....	<u>10,000</u>	<u>Estimated</u>
Total.....	39,838 AF	

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# Swanson Reservoirs

	Elevation	Acre-Feet
Top of Irrigation Pool	2752.00	110,175
* FCID Contracted Shut Off Elevation/Content AF	2725.00	18,958
<i>FCID Contracted Irrigation Pool Capacity at 100% Full</i>	27.00	91,217
<b>Elevation / Content in AF</b>	<b>2736.92</b>	<b>49,998</b>
<b>% of Full Capacity</b>	<b>45.4%</b>	
<b>Current 2018 Irrigation Supply</b>	<b>Feet</b>	<b>A.F.</b>
	11.92	<b>31,040</b>
Monday, December 04, 2017	% Irr. Pool	34.0%

***One year ago***

***44,426***

***Change***

***5,572***



# **MEEKER DRIFTWOOD CANAL 2017**

**Total Canal Diversion = 16,692 AF**

**Total passed to Bartley Canal = 1,585 AF**

**Meeker-Driftwood Diversion = 15,107 AF**

**Delivered to the Farm = 5,026 AF**

**Total Acres Irrigated = 7040**

**In per acre = 8.5 inches**

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# **FCID 2017 Diversion Summary (As A District)**

**Water Diverted.....49,535 AF**  
**Acres Irrigated During 2017.....23,197**  
**Water Delivered to the Farm .....16,604 AF**  
**Inch Per Acre Applied..... 8.6 inch**

Change in Storage June to August 31

Total of 3 Reservoirs approximately 34,468 AF

# FCID 2018 WATER SUPPLY

**Based on the current Reservoir contents and projected inflows:**

Meeker-Driftwood Canal = 7 inches per acre

Red Willow Canal = February Announcement

Bartley Canal = 6 inches per acre

Cambridge Canal = 8 inches per acre base with  
Optional 1 inch

*Note: Reclamation will make a final estimate to the Board of Directors by January 15, 2018*



# FCID 2018 RATE

The water toll for 2018 is:

\$4.00 per acre for every permitted Acre  
(45,669 Acres)

Plus \$48.00 per Acre-foot allocated  
(*\$4.00 per inch*)



# FCID 2018 RATE

Meeker-Driftwood Canal = 7 inches per acre  
 $7 \times \$4 = \$28 + \$4 = \$32.00$  per acre

Red Willow Canal = January Announcement

Bartley Canal = 6 inches per acre  
 $6 \times \$4 = \$24 + \$4 = \$28.00$  per acre

Cambridge Canal = 8 inches per acre base with  
Optional 1 inch  
 $8 \times \$4 = \$32 + \$4 = \$36.00$   
*(\$40.00 for 9 inches)*

*Note: Reclamation will make a final estimate to the Board of Directors by January 15, 2018*

# WATER CONSERVATION

FCID was awarded Water Sustainability Funds from the Nebraska Natural Resources Commission.

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# WATER CONSERVATION

## Frenchman Cambridge Storage Enhancement and Retiming Project

Dollars applied for = \$ 915,554

FCID 40% match = \$ 610,369

Total Project = \$1,525,924

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# WATER CONSERVATION

Project consist of installation of Rubicon Water's Flumegates from the current installations to Oxford. (mile 28.3)

And the 5 remaining structures on the Bartley Canal.

A Total of 31 check structures have been converted.

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# WATER CONSERVATION

## Project Goal

Reduce the amount of water spilled during the season and retain it in Harry Strunk Reservoir.

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# WATER CONSERVATION

TCC (Total Channel Control) has been implemented on the Bartley Canal below the pump station discharge.

TCC has been implemented from the Cambridge Diversion to Oxford Ne.

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# WATER CONSERVATION

What is Rubicon's TCC (Total Channel Control)?

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# Irrigation District Elections Laws

2018 Election for Division #3

The Election will be held by mail-in ballots.

Ballots due February 6, 2018 by 4:30 p.m.

New definition in State Statutes for an “Elector”  
Electors will need to establish themselves as an  
Elector by January 1, 2018.

Forms have been mailed to all land owners in  
Division #3

# Reminders:

Surface water only acres can opt out of paying the NRD's occupation tax.

If you plan not to irrigate surface water permitted acres you can complete the NRD form on the back table

An example would be your pivot corners or small tracts that you have elected not to irrigate.

If you have questions please contact your NRD.





# THANK YOU!

Questions?

[www.fcidwater.com](http://www.fcidwater.com)

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