

FRENCHMAN-CAMBRIDGE IRRIGATION DISTRICT

Water Users Meeting

December 6, 2016 - 1:30 PM

Board of Directors:

Division #1 Todd Lichty – Vice President

Division #2 Dale Cramer – President

Division #3 Duane Vorderstrasse -Treasurer

Water is Life

2017 BUDGET PROPOSAL

Additional Expenditures

1. Replace one 4X4 pickup trucks
2. 1% cost of living increase for employees.

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2017 BUDGET PROPOSAL

Income

Based on operating 4 canals and serving 100% of our permitted acres (45,669) with an allocation of water 6 inches or more in 2017.

2017 Rate = \$4.00 per acre-inch plus \$5 per acre.

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2016 WATER ADMINISTRATION

- None of FCID senior permits were closed in 2016.
- None of Reclamations storage permits were closed in 2016

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2017 WATER ADMINISTRATION

- 2017 will be declared a “Compact Call Year” by DNR (Jan. 1, 2017)

2016 Balance = 3,800 AF

2017 Forecast = (40,600) AF

Total Forecasted Compact Shortfall = (36,800)

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2017 WATER ADMINISTRATION

2016 Balance = 3,800 AF

2017 Forecast = (40,600) AF

Total Forecasted Compact Shortfall = (36,800)

RRC Resolution requires 20,000 AF of the 36,800 shortfall to be in Harlan County by June 1st.

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2017 WATER ADMINISTRATION

2017 Uncertain!

DNR will allow Reclamation to move
20,000 AF to Harlan County Reservoir.

•N-Corpe and Rock Creek plan to pump!

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2017 WATER ADMINISTRATION

Harry Strunk will fill and spill!

Swanson Reservoir may be required to bypass some inflows.

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2017 WATER ADMINISTRATION

The URNRD position is:

If they pump 4,500 AF from the ground into Rock Creek then 4,500 needs to be released from Swanson Reservoir down the River!

- If that is the case then FCID is charged the transit loss.

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2017 WATER ADMINISTRATION

- DNR will do what ever they need to do to ensure compliance with the 2017 Compact Resolution.
- Bottom line - 20,000 AF needs to arrive at Harlan County for Kansas Bostwick by June 1st.

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2016 /2017 BASIN FORECAST BY NRD

LRNRD 2 Year Balance = -7,600 AF

MRNRD 2 Year Balance = -11,100 AF

URNRD 2 Year Balance = -18,100 AF

Total = -36,800 AF

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STREAM AUGMENTATION MEDICINE CREEK

N-CORPE Pumping

2014 = 42,500 AF

2015 = 25,930 AF

2016 = 26,670 AF

2017 = 32,300 Projected 8

4 year Total = 127,400 AF

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STREAM AUGMENTATION ROCK CREEK

2013 = 15,000 AF

2014 = 21,000 AF

2015 = 0 AF

2016 = 0 AF

2017 = 4,500 estimated

Total.....40,500 AF

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STREAM AUGMENTATION

State of Colorado

(Colorado Compliance Pipeline or CCP)

2014.....	7,000 AF
2015.....	10,760 AF
2016.....	10,000 AF
2017.....	<u>9,000 AF</u> <i>estimated</i>
Total.....	36,760 AF

(CCP is currently pumping)

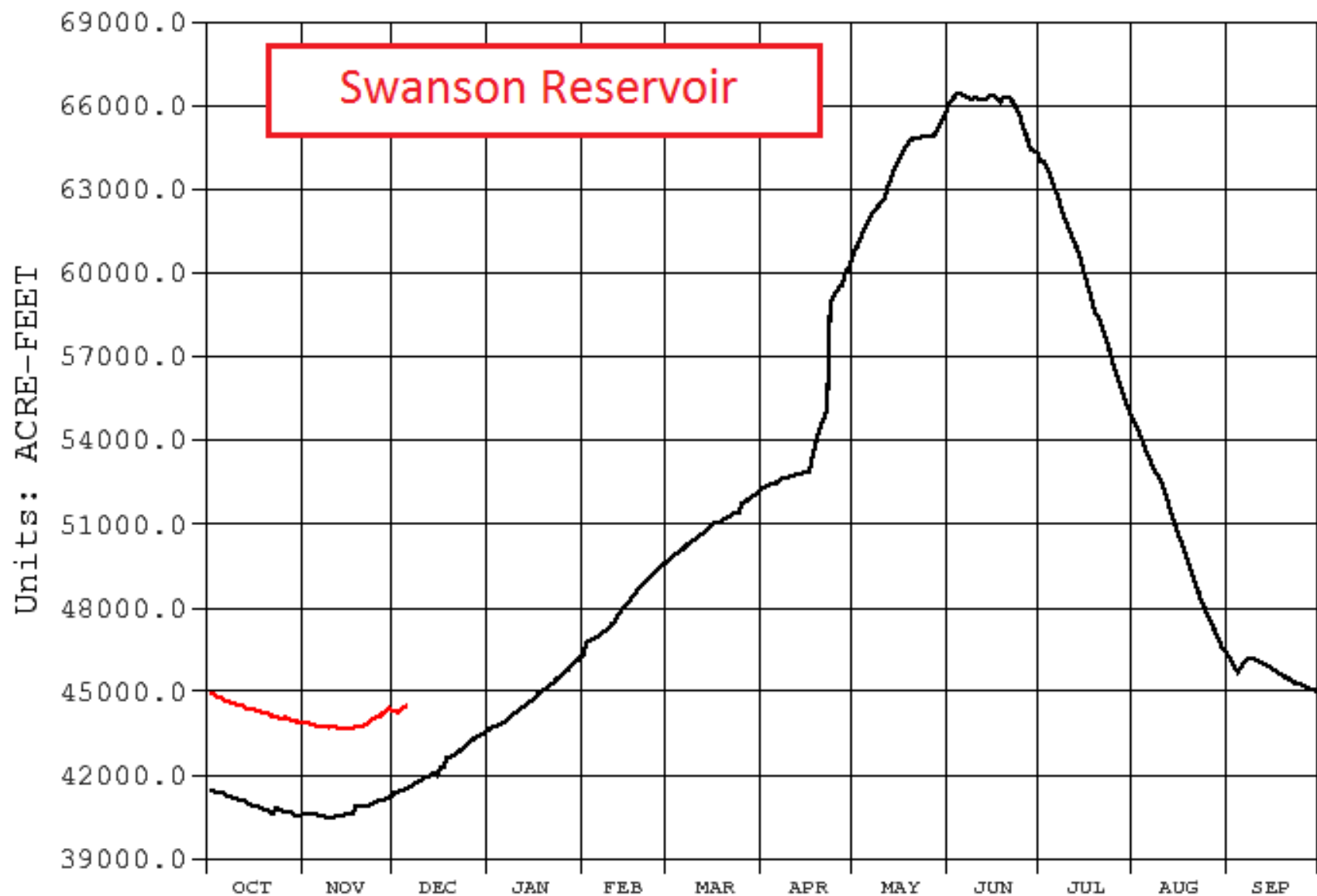
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Swanson Reservoirs 2017

	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
Elevation / Content in AF	2735.14	44,486
% of Full Capacity	40.4%	
Current 2017 Irrigation Supply	Feet	A.F.
	10.14	25,528
Monday, December 05, 2016	% Irr. Pool	28.0%
<i>One year ago</i>		22,710
<i>Change</i>		2,818

Archive Data From 1 OCT Through 30 SEP

Plotted 12/05/2016 10:31



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

2016 2017

MEEKER DRIFTWOOD CANAL 2016

Total Canal Diversion = 17,458 AF

Total passed to Bartley Canal = 2,043 AF

Meeker-Driftwood Diversion = 15,415 AF

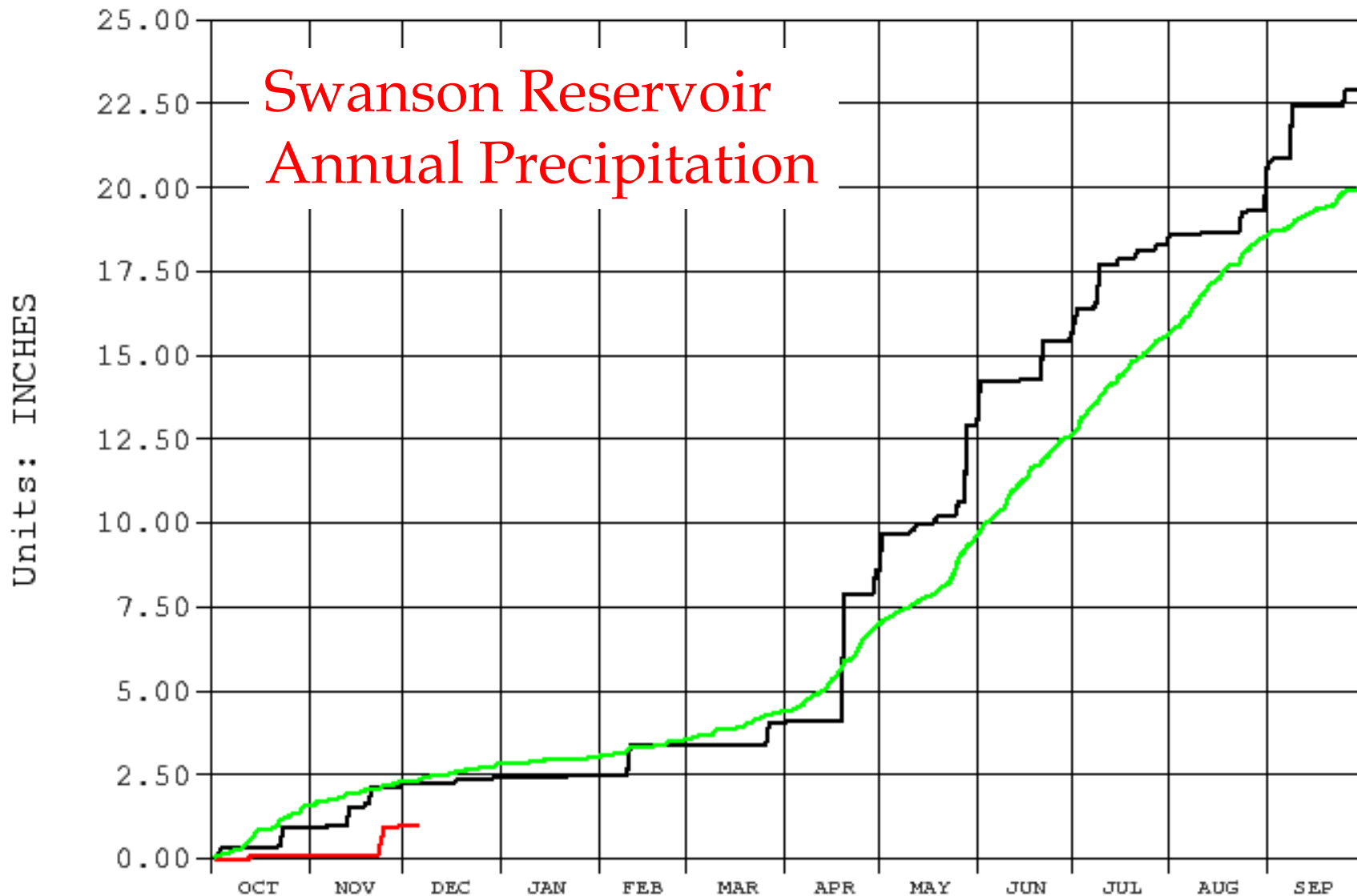
Delivered to the Farm = 5,272 AF

Total Acres Irrigated = 6772

In per acre = 9.34 inches

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TRNE Swanson Lake (Trenton Dam), NE
— PP Cumulative Total Precip. (inches)
— PP 20yr avg Cumulative Total Precip. (inches)

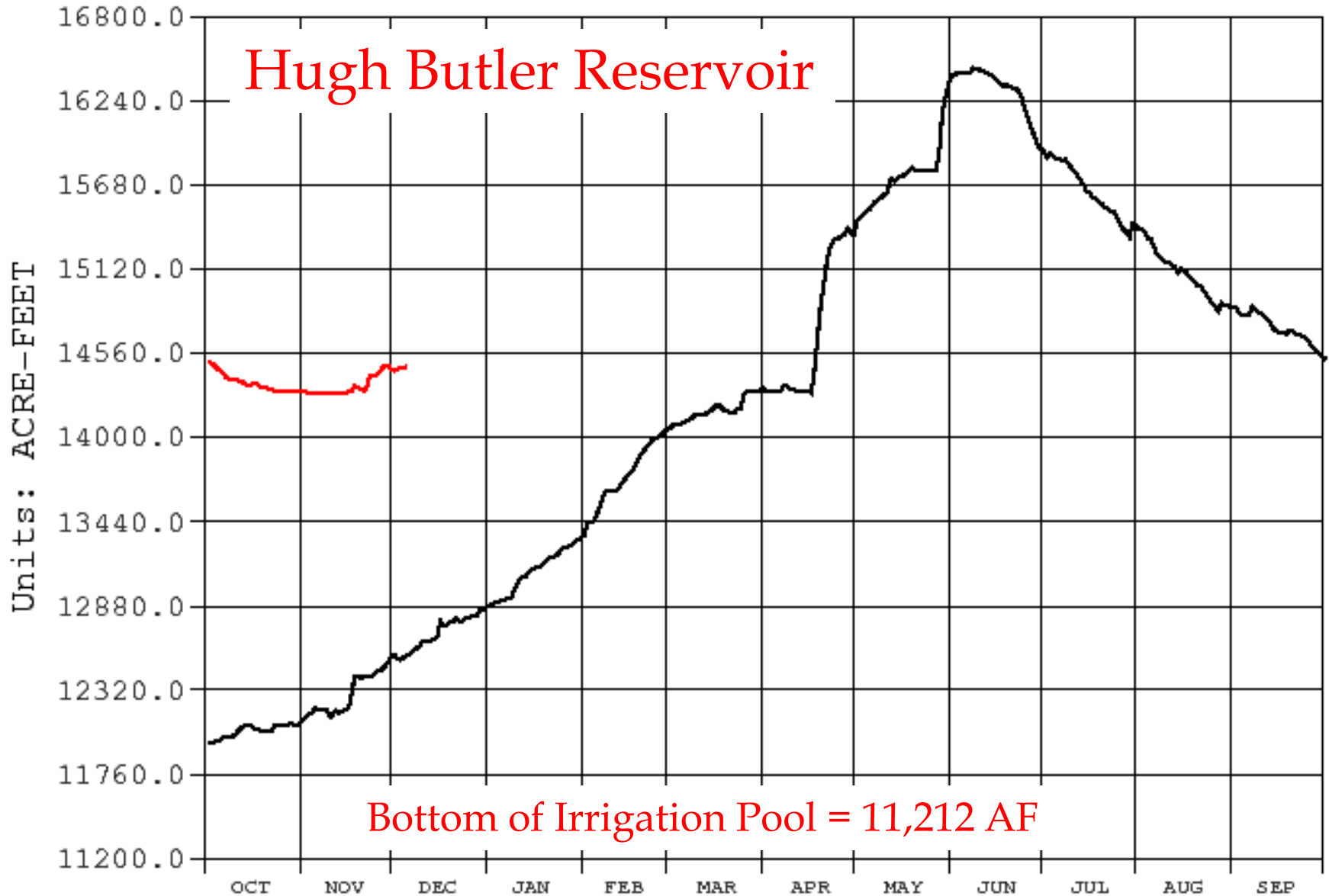
2016 2017
2017

Hugh Butler Reservoirs 2017

	Elevation	Acre-Feet
Top of Irrigation Pool	2581.80	36,224
* FCID Contracted Shut Off Elevation/Content AF	2561.00	11,212
<i>FCID Contracted Irrigation Pool Capacity at 100% Full</i>	20.80	25,012
Elevation / Content in AF	2564.73	14,472
% of Full Capacity	40.0%	
Current 2017 Irrigation Supply	Feet	A.F.
	3.73	3,260
Monday, December 05, 2016	% Irr. Pool	13.0%
<i>One year ago</i>		<i>1,367</i>
<i>Change</i>		<i>1,893</i>

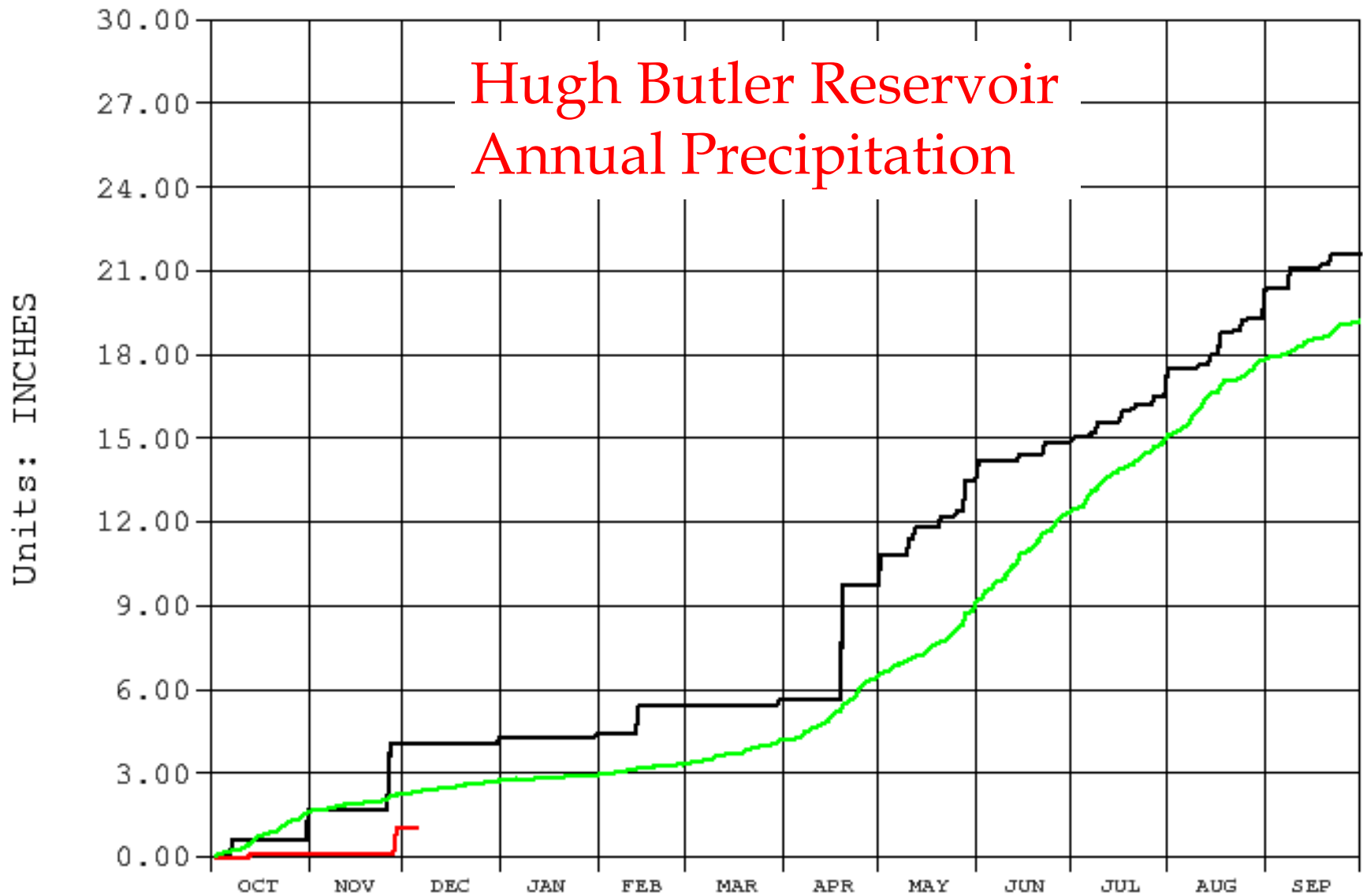
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Plotted 12/05/2016 12:17



Archive Data From 1 OCT Through 30 SEP

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HBNE Hugh Butler Lake (Red Willow Dam), NE
— PP Cumulative Total Precip. (inches)
— PP 20yr avg Cumulative Total Precip. (inches)

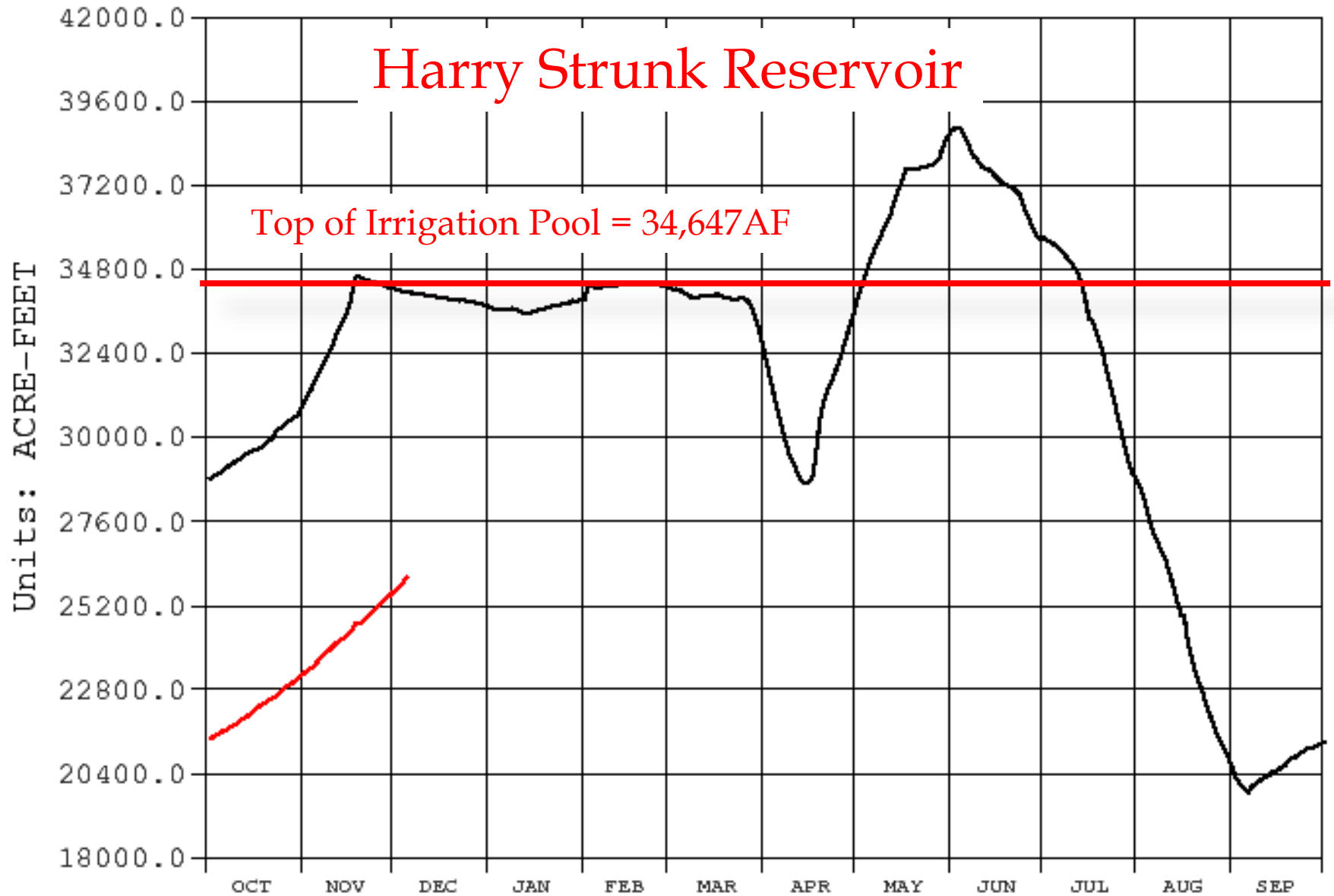
2016 2017
2017

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
Elevation / Content in AF	2360.69	26,025
% of Full Capacity	75.1%	
Current 2017 Irrigation Supply	Feet	A.F.
	17.69	18,128
Monday, December 05, 2016	% Irr. Pool	67.8%
<i>One year ago</i>		26,220
<i>Change</i>		-8,092

Archive Data From 1 OCT Through 30 SEP

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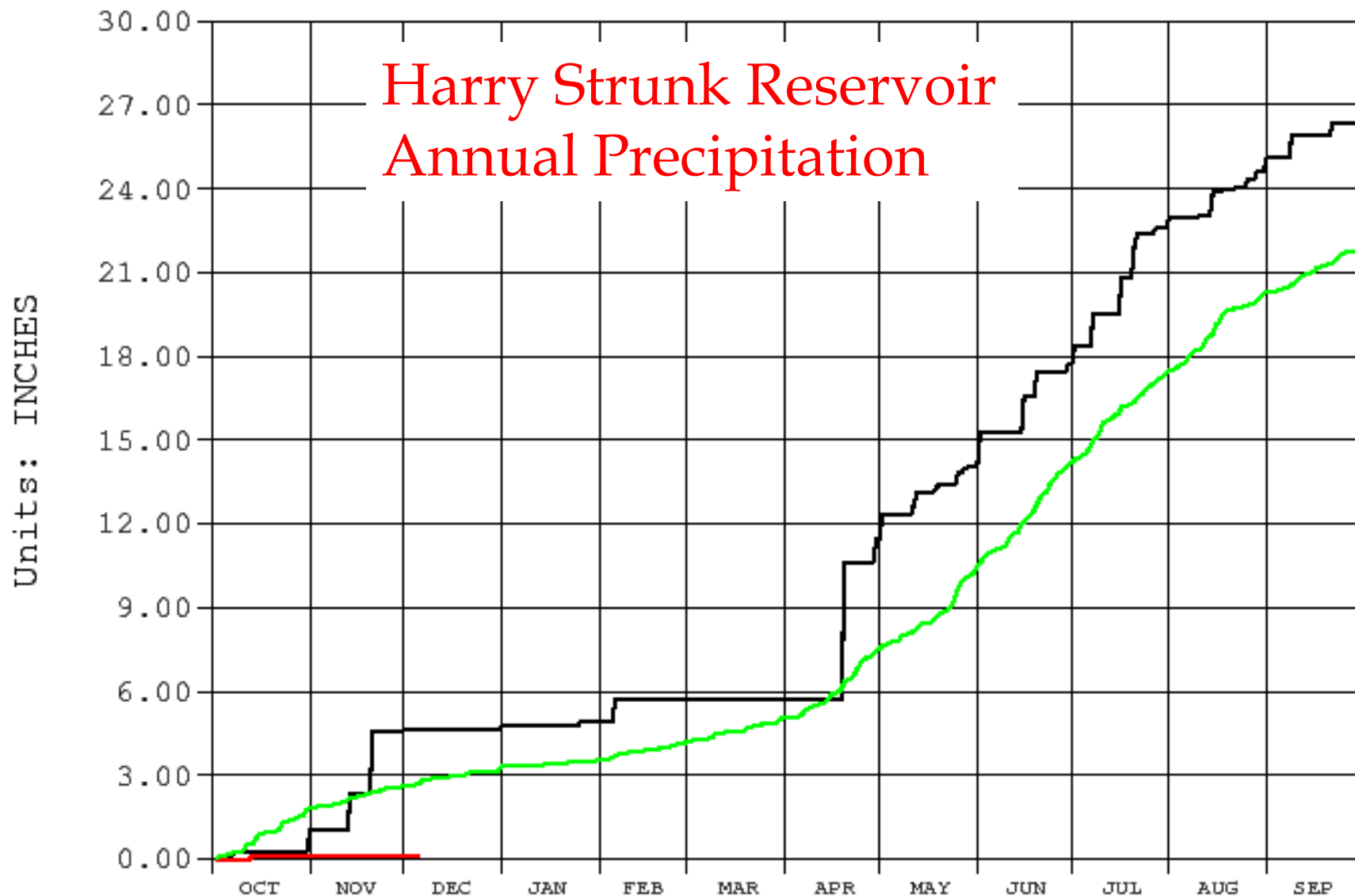
HSNE Harry Strunk Lake (Medicine Creek), NE

AF Reservoir Storage Content (acre-feet)

2016 2017

Archive Data From 1 OCT Through 30 SEP

Plotted 12/05/2016 12:33



HSNE Harry Strunk Lake (Medicine Creek), NE
— PP Cumulative Total Precip. (inches)
— PP 20yr avg Cumulative Total Precip. (inches)

2016 2017
2017

CAMBRIDGE CANAL 2016

Total Canal Diversion = 30,337 AF

Delivered to the Farm = 10,807 AF

Total Acres Irrigated = 13,570

In per acre = 9.55 inches per acre

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BARTLEY CANAL

Canal Diversion (Head gate) = 8,600 AF

Bartley Pump Station = 596 AF

Total Diversion = 9,196 AF

Delivered to the Farm = 2,067 AF AF

Total Acres Irrigated = 3,135

In per acre = 7.91 inches per acre

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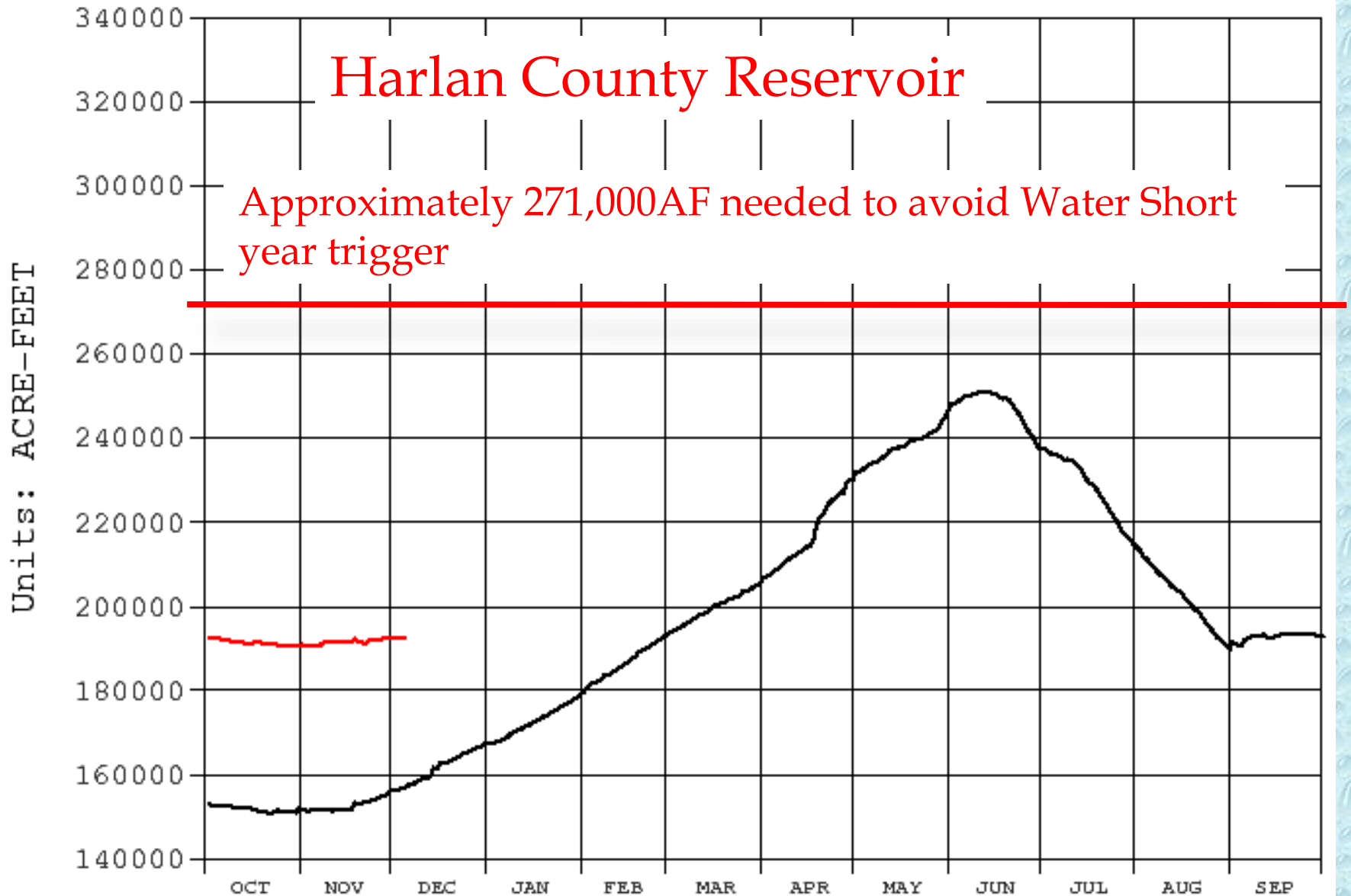
2016 FCID Summary

Acres Irrigated During 2016.....23,447
Water Diverted56,395 AF
Water Delivered to the Farm18,146 AF
Inch Per Acre Applied..... 9.28 inch

Change in Storage June to August 31
Total of 3 Reservoirs 40,152 AF

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HCNE

Harlan County Dam, NE

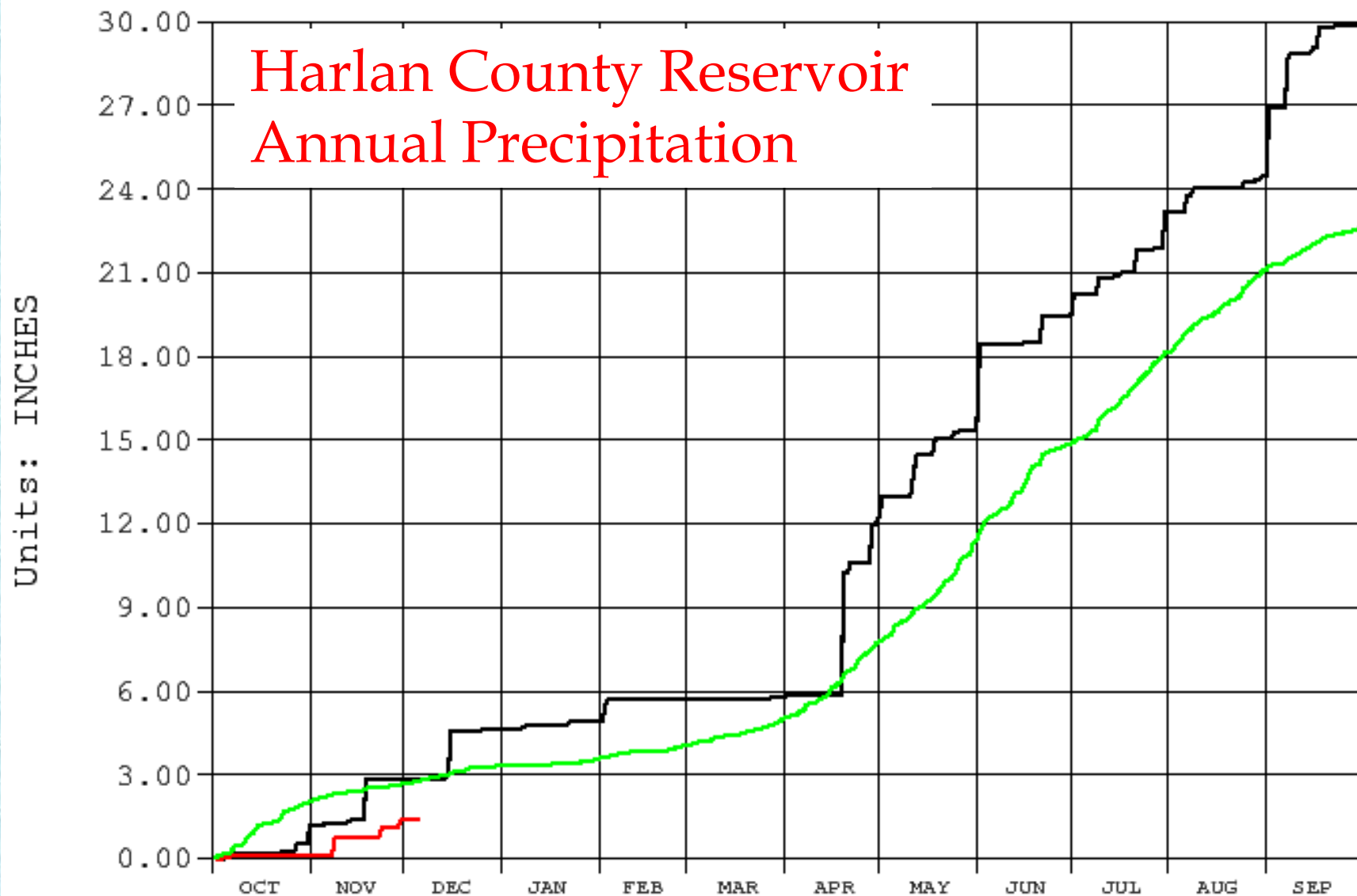
— AF

Reservoir Storage Content (acre-feet)

2016 2017

Archive Data From 1 OCT Through 30 SEP

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HCNE Harlan County Dam, NE
— PP Cumulative Total Precip. (inches)
— PP 20yr avg Cumulative Total Precip. (inches)

2016 2017
2017

FCID 2016 WATER SUPPLY

Based on the current Reservoir contents:

Meeker-Driftwood Canal = 6 inches per acre

Red Willow Canal = January Announcement

Bartley Canal = 6 inches per acre

Cambridge Canal = 8 inches per acre

Note: Reclamation will make a final estimate to the Board of Directors by January 15, 2015

FCID 2016 WATER SUPPLY

The water toll for 2017 is:

\$5.00 per acre for every permitted Acre
(45,669 Acres)

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

WATER CONSERVATION

FCID has applied for Water Sustainability Funds from the Nebraska Natural Resources Commission.

Dollars applied for = \$ 915,554

FCID 40% match = \$ 610,369

Total Project = 1,525,924

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WATER CONSERVATION

Grants will be awarded December 12th.

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

A Total of 31 check structures will be converted.

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IMP MODIFICATIONS

Nebraska told the U.S. Supreme Court that it would reduce groundwater pumping by 25% of the baseline by 2015.

2 of the 3 NRDs did not achieve that requirement by the end of 2015.

All 3 Natural Resource Districts modified the IMP that requires only a 20% reduction in pumping.

FCID has challenged these changes.

WATER USERS LAWSUIT UPDATE!

Background:

1. A lawsuit was filed against the State of Nebraska and DNR on July 31, 2014 by water users of FCID
2. Both suits (2013 and 2014) were dismissed and are currently being appealed before the Nebraska Supreme Court.
3. A hearing may be held in February 2017

Irrigation District Elections Laws

2016 Election for Division #2

February 7, 2017

New definition in State Statutes for an “Elector”
Electors will need to establish themselves as an
Elector by January 1, 2017.



THANK YOU!

Questions?

www.fcidwater.com

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