

Town Board of Trustees

February 11, 2014

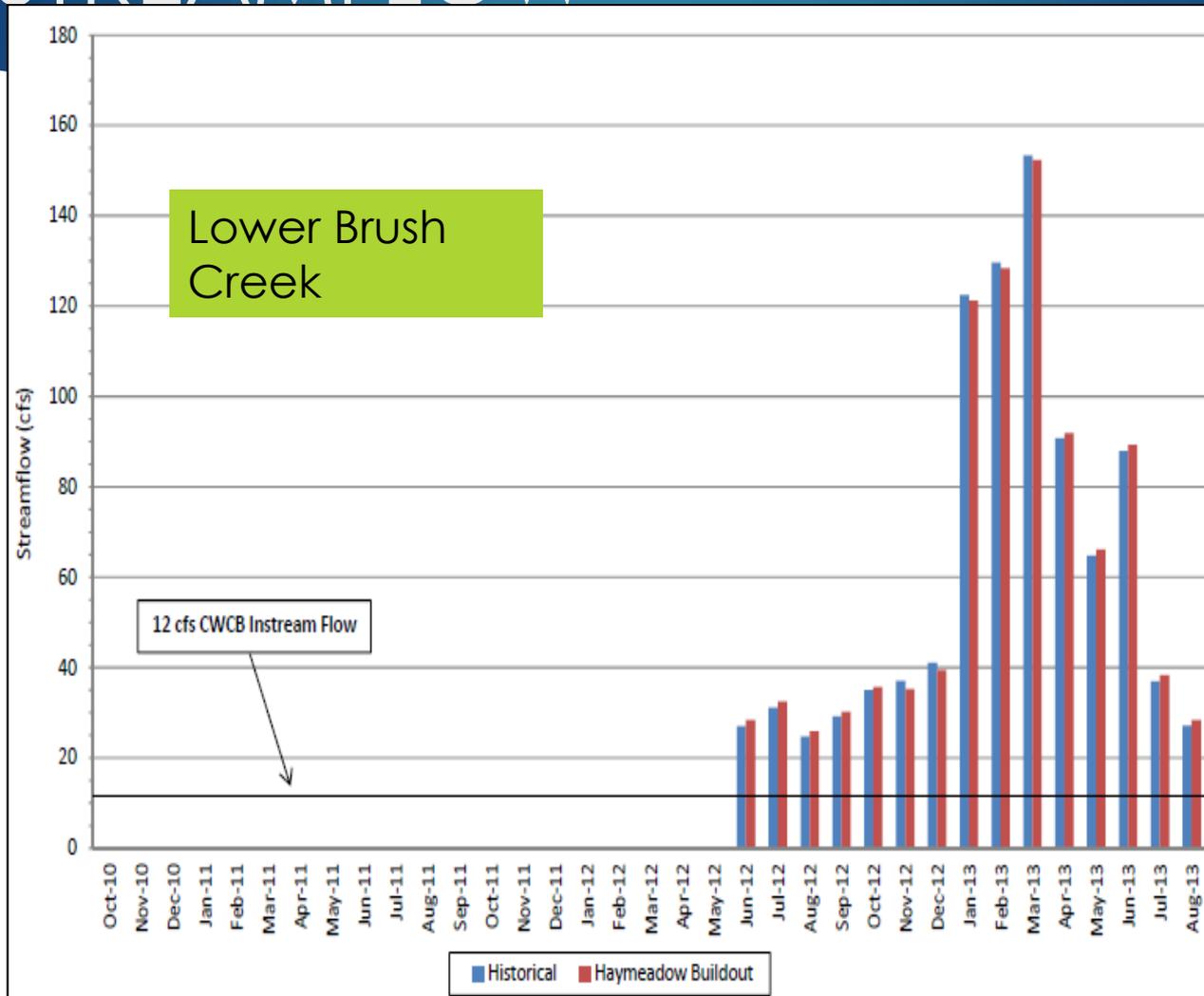
WATER DEMANDS LESS THAN HISTORICAL USE

- ▶ **HISTORICAL IRRIGATION (556 ACRES) = 1,070 ACRE FEET/YR**
- ▶ **HAYMEADOW PROJECT = 675 ACRE FEET/YR**
 - Potable = 105 acre feet / yr
 - Non-Potable Irrigation = 570 acre feet / yr

WATER RIGHTS FOR DEVELOPMENT ARE ADEQUATE AND EXCEED REQUIREMENTS

- ▶ **SENIOR IRRIGATION RIGHTS EXCEED PROJECT DEMANDS: APRIL THROUGH DECEMBER**
 - ▶ Excess about 400 acre feet
- ▶ **IRRIGATION WATER RIGHTS INSUFFICIENT: PORTION OF JANUARY THROUGH MARCH DEMAND**
 - ▶ About 2 acre feet total shortfall
 - ▶ Can be Readily Satisfied by Lease of Reservoir Water from Existing Storage Facilities

PROJECT WILL INCREASE STREAMFLOW



BRUSH CREEK – CRITICAL REACH (OUZEL LANE)

Date	Streamflow	Streamflow
	Pre-Haymeadow	Post-Haymeadow
	Project	Project
	(cfs)	(cfs)
7/22/2008	66.6	70.2
8/4/2008	33.4	37.0
9/26/2008	36.4	40.1
12/2/2008	28.8	28.1
1/29/2009	32.8	32.1
4/8/2010	25.4	29.4
5/14/2010	26.1	29.9
4/20/2011	31.6	35.6
5/6/2011	37.7	41.5
5/10/2011	78.4	82.2
5/19/2011	105.3	109.1
11/4/2011	30.7	30.0
5/1/2012	12.0	15.8
8/8/2012	7.1	10.7
8/20/2013	10.1	13.7
9/23/2013	52.3	56.0

OPERATIONAL ALTERNATIVE TO PUMPBACK

- ▶ **ADDITIONALLY REDUCE NON-POTABLE IRRIGATION DIVERSIONS IN CRITICALLY DRY PERIODS**
- ▶ **WILL PROVIDE EQUAL OR GREATER BENEFIT THAN PUMPBACK**
- ▶ **REGULATED BY TOWN THROUGH LEASE-BACK OF NON-POTABLE IRRIGATION RIGHTS**
- ▶ **REDUCES CONSTRUCTION COST AND ENERGY REQUIREMENTS**



Haymeadow 

