



# ESPA Managed Recharge Program

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## Water Supply Committee

Wesley Hipke

March 9, 2017

## IWRB ESPA Recharge 2016/2017

System	Area	Start of Water Right	Water Right in Priority (Days)	Time of Recharge (Days)	Current Recharge Rate (cfs)	Volume Recharged (Acre-feet)*
Snake River	Lower Valley	Oct 26 <sup>th</sup>	134	132	278	55,132
	Upper Valley	Feb 28 <sup>th</sup>	9	8	511	5,200
	<b>Snake River Total</b>					<b>60,295</b>
Big/Little Wood River	Below Magic Reservoir	Feb 22 <sup>nd</sup>	15	15	200	5,677
	<b>Big/Little Wood Total</b>					<b>5,677</b>
<b>TOTAL</b>						<b>66,008</b>

\*Preliminary Data

# Total IWRB Managed Recharge Rates During 2016 - 2017 Season

Total Volume of Recharge = **66,008** af (October 25, 2016 to March 8, 2017)

Snake River Recharge Rate Limit = 1,200 cfs

Recharge below Minidoka Dam  
Oct 25th

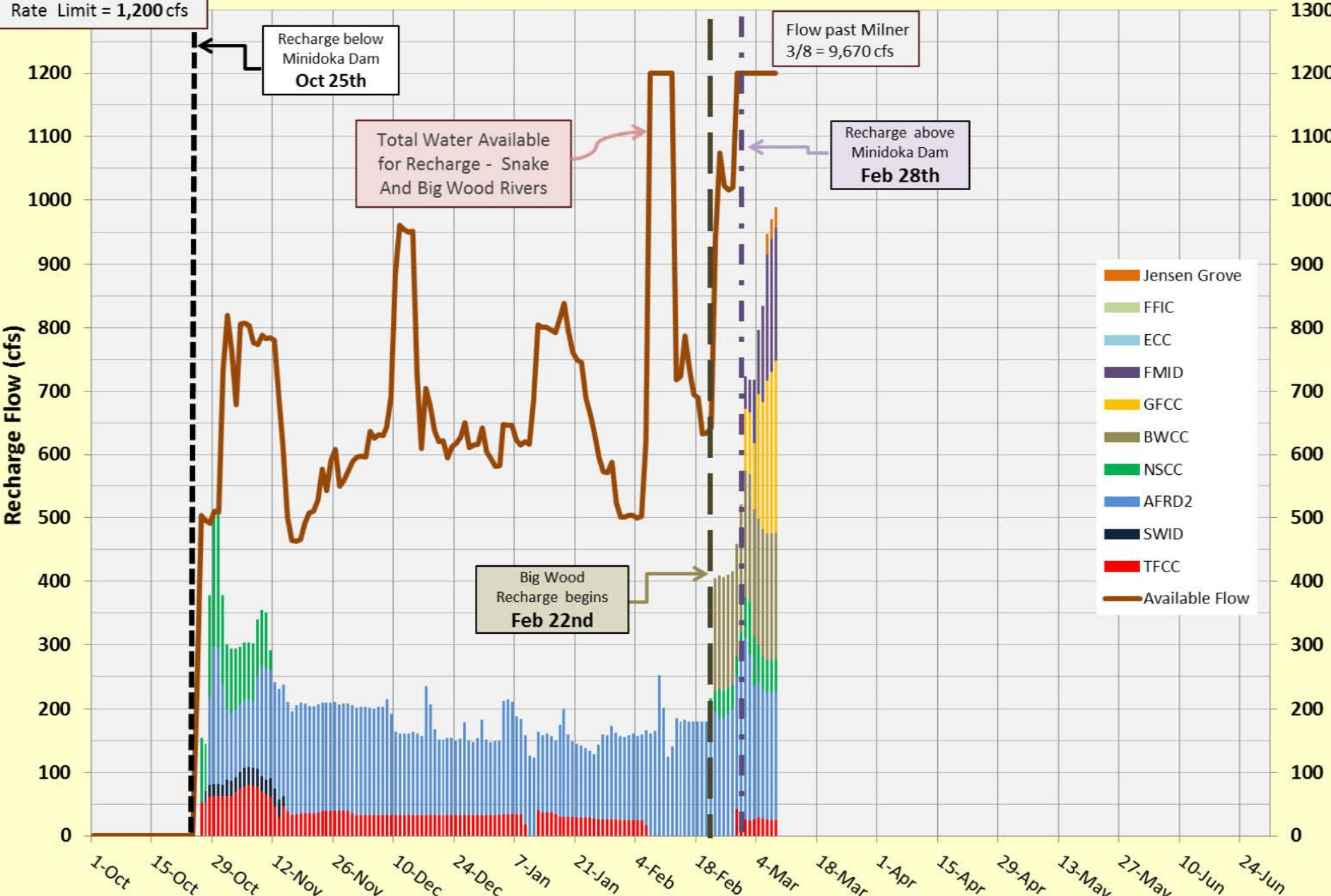
Flow past Milner  
3/8 = 9,670 cfs

Total Water Available for Recharge - Snake And Big Wood Rivers

Recharge above Minidoka Dam  
Feb 28th

Big Wood Recharge begins  
Feb 22nd

- Jensen Grove
- FFIC
- ECC
- FMID
- GFCC
- BWCC
- NSCC
- AFRD2
- SWID
- TFCC
- Available Flow



Preliminary Data

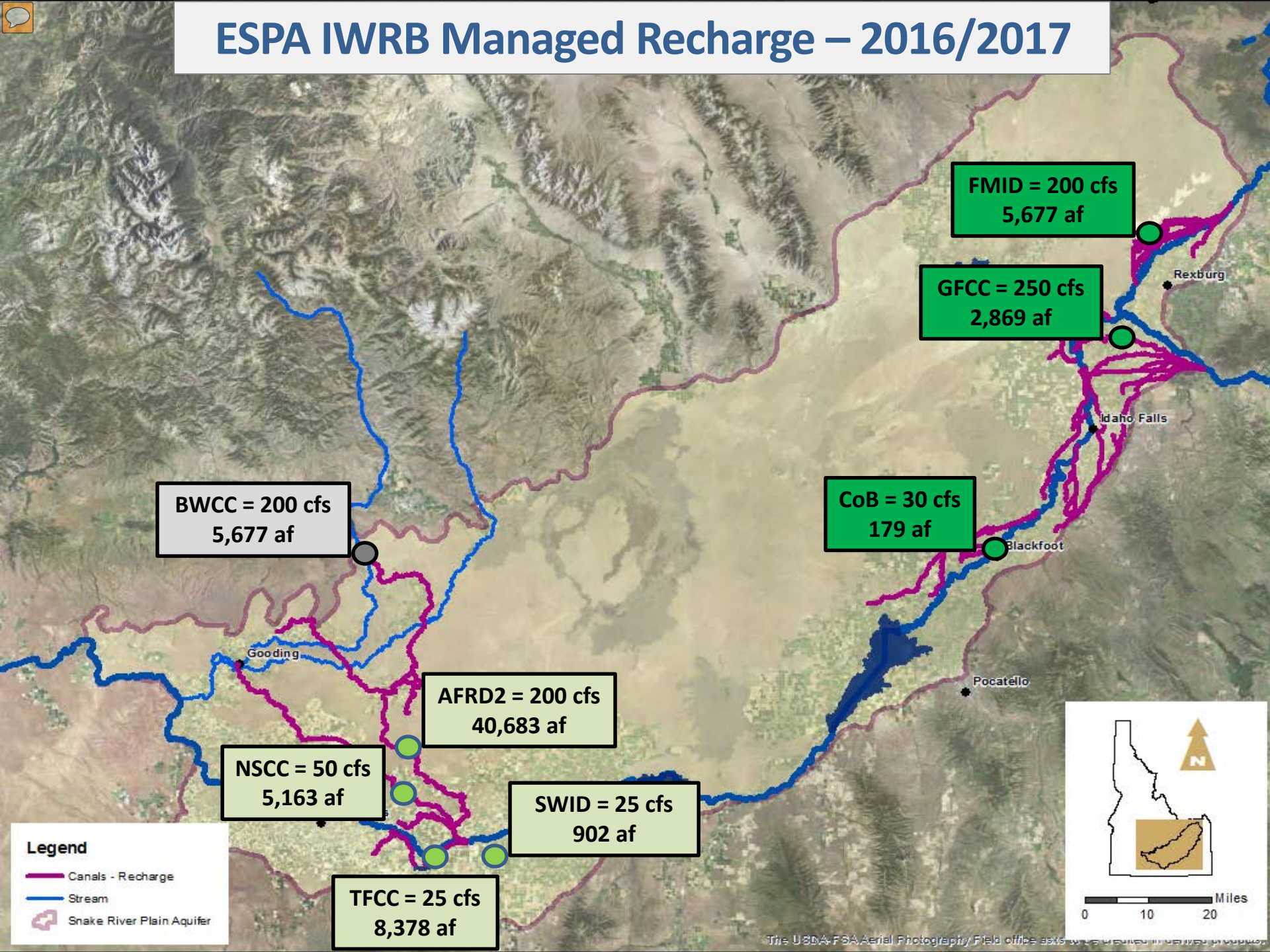
Dates of Recharge



# 2016-2017 Recharge



# ESPA IWRB Managed Recharge – 2016/2017



BWCC = 200 cfs  
5,677 af

FMID = 200 cfs  
5,677 af

GFCC = 250 cfs  
2,869 af

CoB = 30 cfs  
179 af

AFRD2 = 200 cfs  
40,683 af

NSCC = 50 cfs  
5,163 af

SWID = 25 cfs  
902 af

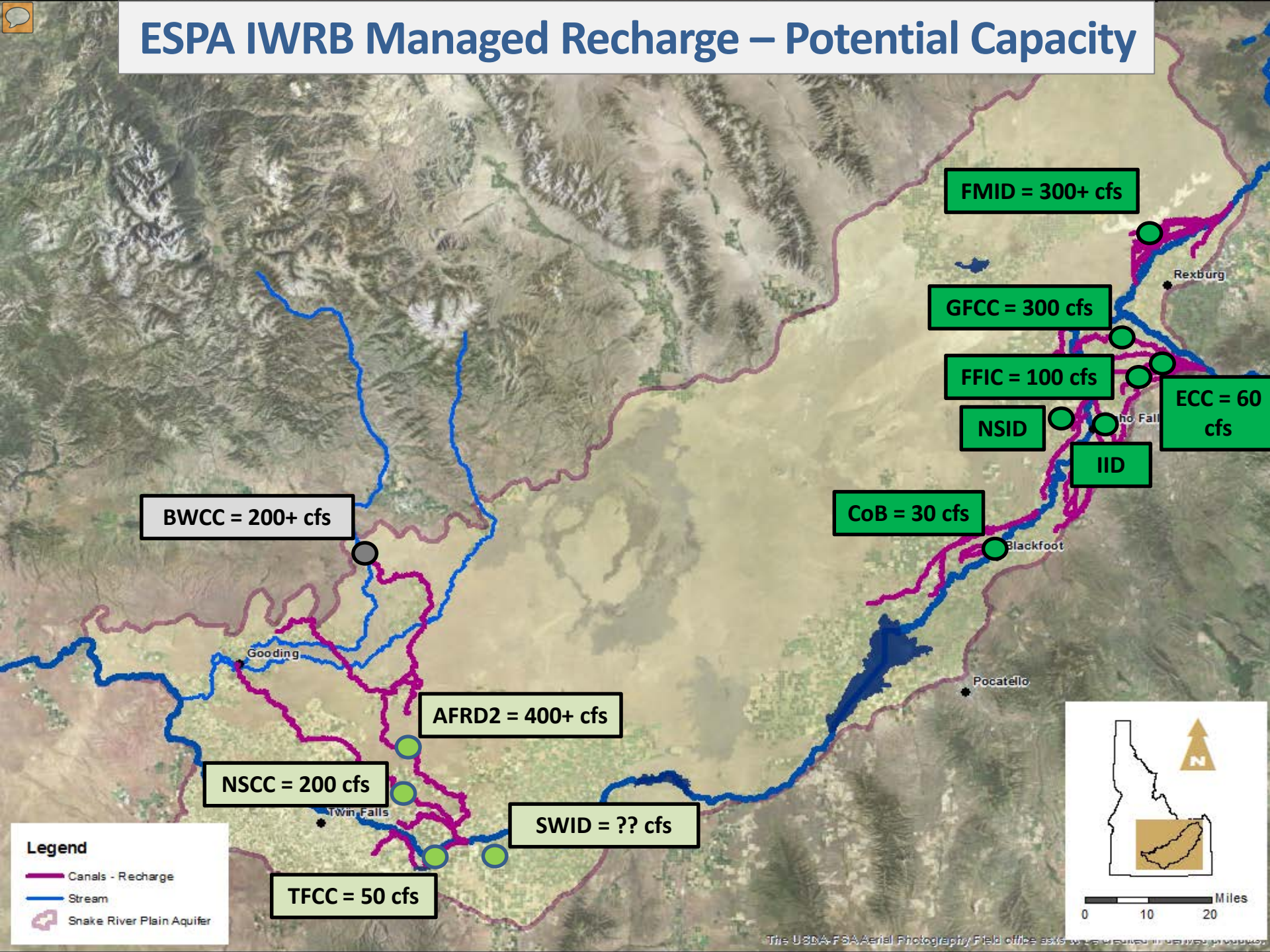
TFCC = 25 cfs  
8,378 af

**Legend**

- Canals - Recharge
- Stream
- Snake River Plain Aquifer

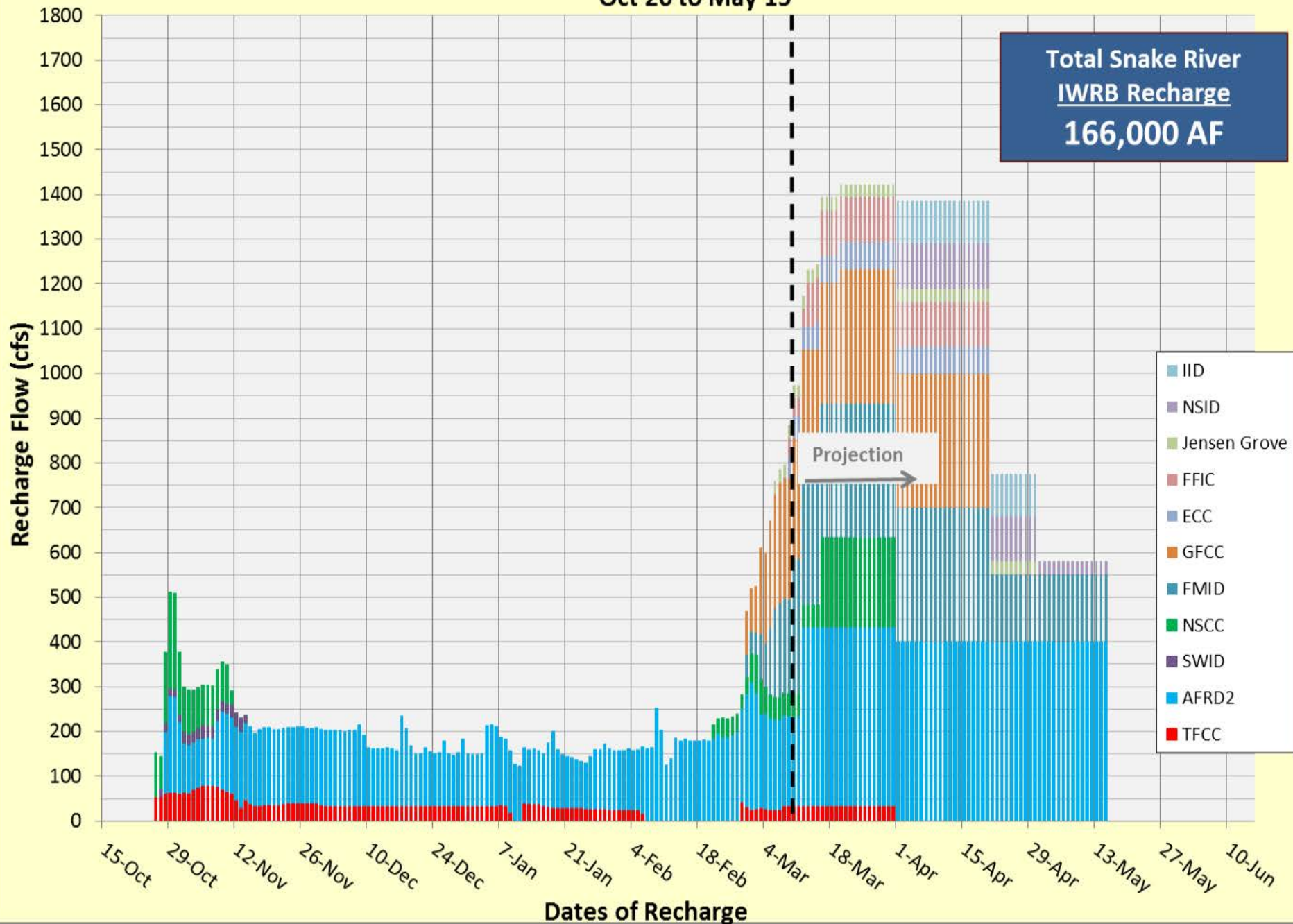
0 10 20 Miles

# ESPA IWRB Managed Recharge – Potential Capacity

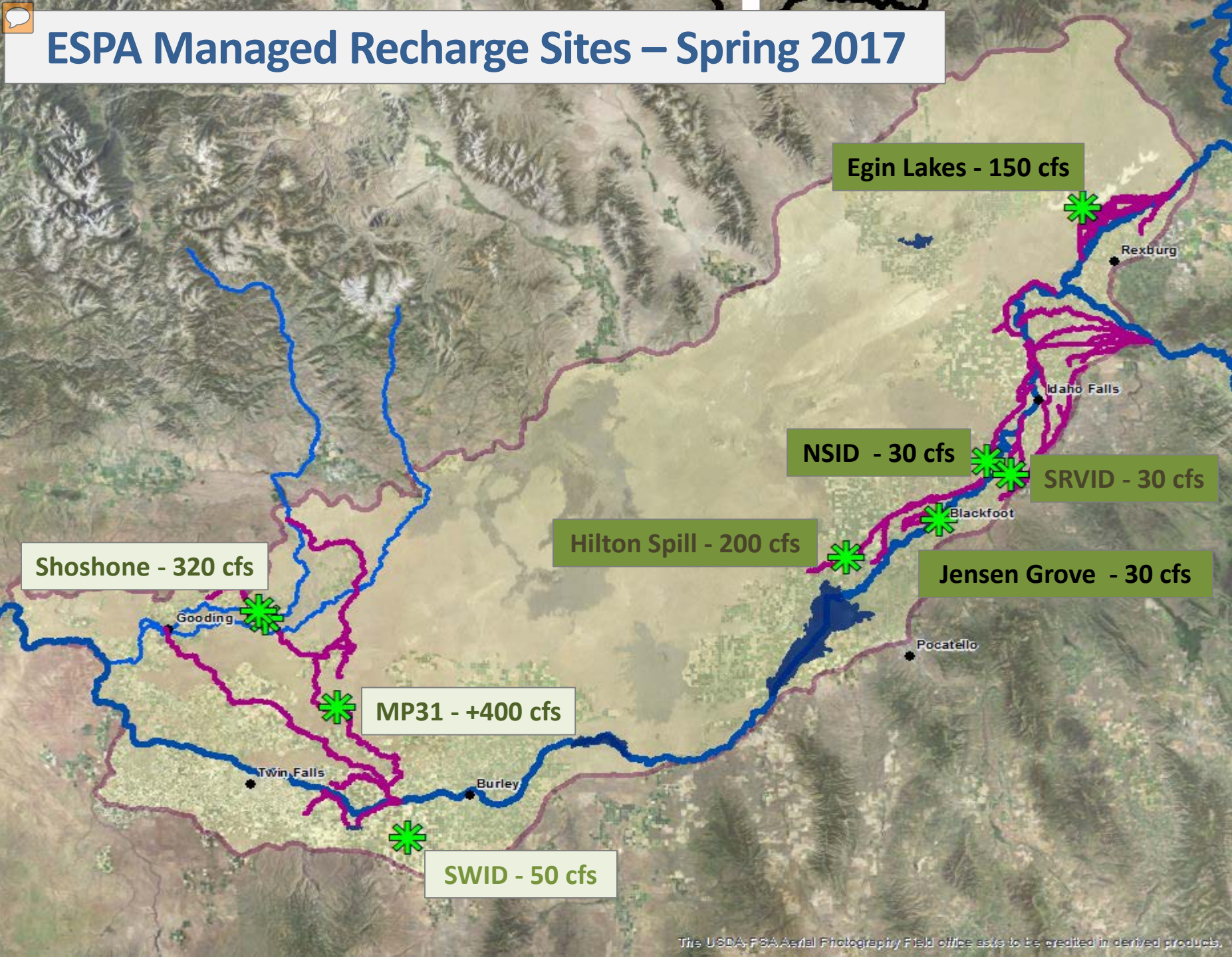


# IWRB Projected Snake River Recharge - During 2016/2017

Oct 26 to May 15



# ESPA Managed Recharge Sites – Spring 2017





# Natural Flow Recharge Water Rights

## Snake River/Henry's Fork

- Permits:

• IWRB	1980	1,200 cfs
• Southwest ID	2009	50 cfs
• Peoples Canal	2013	350 cfs
• Snake River Valley ID	2013	585 cfs
• ASCC	2014	1,200 cfs

- Applications

• IWRB	1998	14,072 cfs
• Idaho ID	2011	300 cfs
• New Sweden ID	2011	300 cfs
• FMID	2012	1,200 cfs

# Natural Flow Recharge Water Rights

**IWRB 1980 = 1,200 cfs**

**FMID 2012 = 1,200 cfs**

**IWRB 1998 = 2,191 cfs**

**NSID 2011 = 300 cfs**

**IWRB 1998 = 2,106 cfs**

**Idaho ID 2011 = 300 cfs**

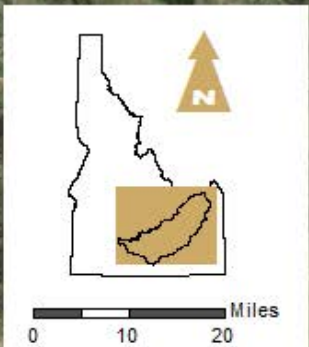
**Peoples 2013 = 350 cfs**

**ASCC 2014 = 1,200 cfs**

**SRVID 2013 = 585 cfs**

**IWRB 1998 = 6,569 cfs**

**SWID 2009 = 50 cfs**





Questions

