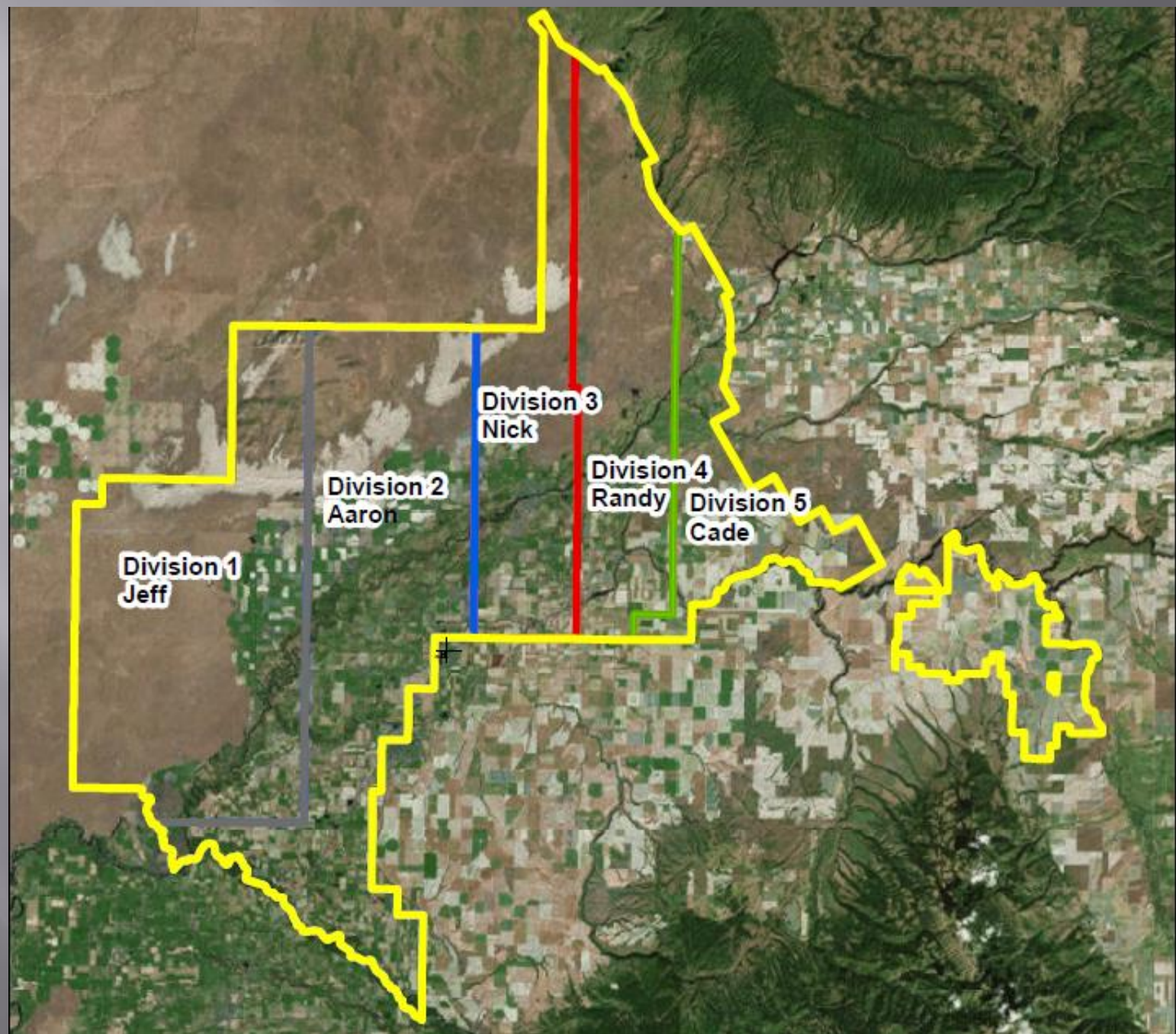
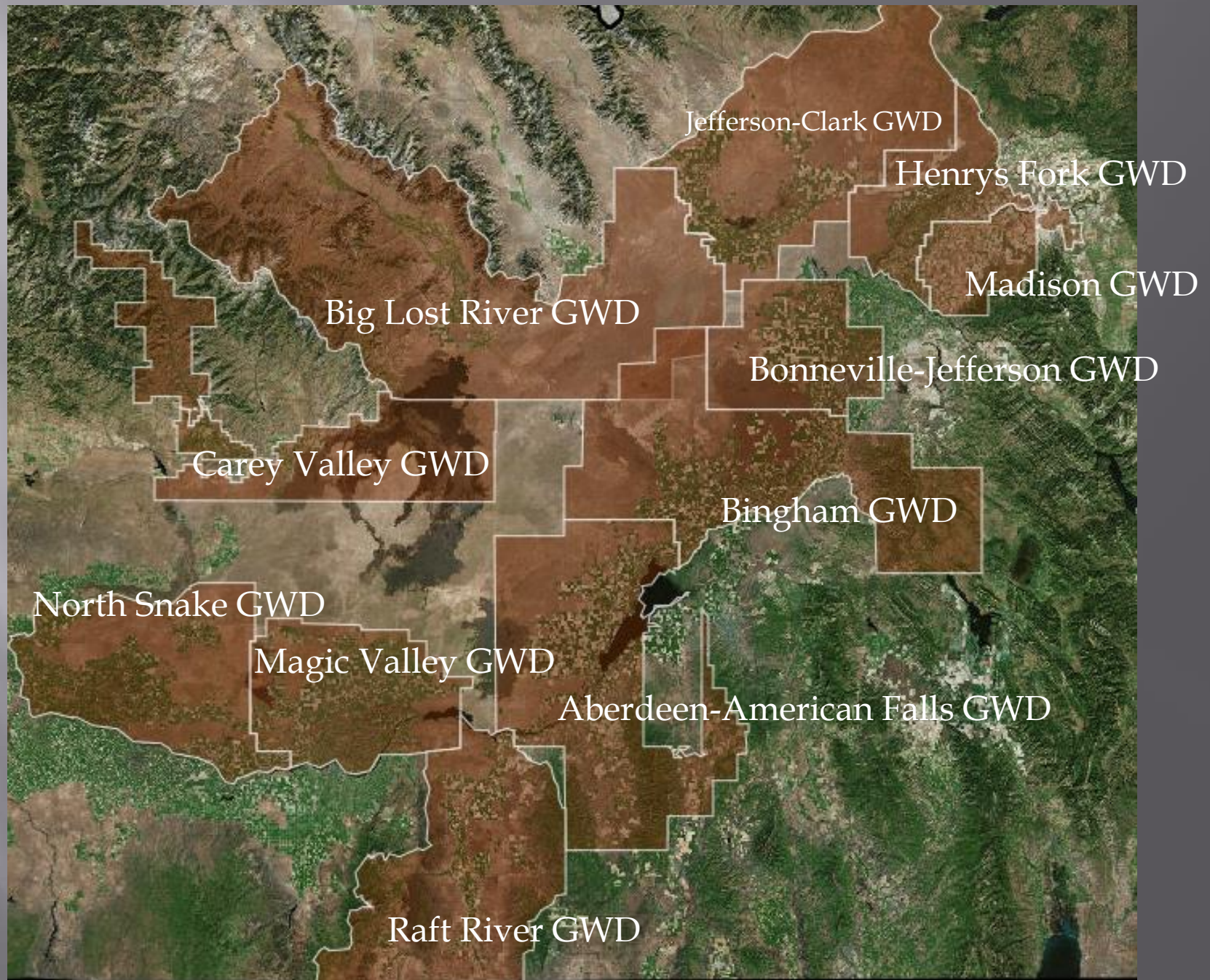


HENRY'S FORK GROUNDWATER DISTRICT

Aaron Dalling





Snake River Plain GWDs

Groundwater District	Date of Formation
North Snake	6-Feb-96
Magic Valley	12-Feb-96
American Falls-Aberdeen Area	10-Jun-96
Bingham	8-Aug-96
Madison	26-May-99
Bonneville-Jefferson	1-Feb-00
Carey Valley	14-Nov-06
Raft River	20-Nov-06
Jefferson Clark	27-Nov-06
Big Lost River	14-Nov-16
Henry's Fork	7-Nov-17

Settlement Agreement

- ▣ Consumptive Use Volume Reduction
 - 240,000 AF Annually
- ▣ Annual Storage Water Delivery
 - 50,000 AF Annually
- ▣ Irrigation Season Reduction
 - April 1 to October 31
- ▣ Mandatory Measurement Requirement
- ▣ Ground Water Levels Benchmark
 - Level equal to the average aquifer levels 1991 to 2001
- ▣ Recharge
 - Support state sponsored managed recharge of 250,000 AF average annually

GWD's Part in Reductions

District	Diversion Reduction				Recharge	Other	% Meters Installed	
	Priority Tiers	AF Cap	Min %	Max %			Est. Current	Projected Year-End
North Snake	3	2.0/2.2/2.4	2.5	50	As available	Conversions	320/58%	70%
Magic Valley	3	1.6/1.75/1.9	none	none	As available	Conversions (5,000 ac) End Gun Removal, CREP	467/68%	75%
Carey Valley	No	% reduction based on historic use	12.6	12.6	As available from Little Wood R. and Fish Creek Res.		13/17=76%	100%
American Falls - Aberdeen	3	1.7/1.9/2.2	3	20	As available	Water Bank Lease for Mitigation, CREP	60%	75%
Bingham	3	% reduction based on historic use	5	12.6	As available	End Gun Removal, CREP	800/50%	75%
Bonneville-Jefferson	10	5% reduction based on historic use	4.5	5.5	20,000 af Additional as available	End gun removal Lease dry-ups, CREP	74%	85%
Jefferson-Clark	70	% reduction based on historic use	3.2	17.48	As available	\$50 acre CREP add-on, End Gun Removal	10%	45%
Madison & FMID	Direct delivery 1,500 AF storage to IGWA and 3,000 AF annual recharge minimum.						5%	30%

Total Cost of the Madison and Henry's Fork GWDs Mitigation is \$105,000 Annually

2016 Performance Summary

	Diversion Baseline	Target Conservation	Adjusted Baseline	2016 Usage	Diversion Reduction	Recharge	Total Conservation	Mitigation Balance
Aberdeen - American Falls GWD	271,989	33,595	279,291	257,455	21,836	16,123	37,959	4,364
Bingham GWD	282,476	34,890	278,988	265,643	13,345	25,260	38,605	3,715
Bonneville - Jefferson GWD	147,337	18,198	150,838	148,298	2,540	10,612	13,152	-5,046
Carey Valley GWD	5,671	700	5,671	772	4,899	0	4,899	4,198
Jefferson - Clark GWD	438,634	54,178	438,979	416,405	22,574	32,193	54,767	589
Henry's Fork and Madison	43,491	5,372	43,491	16,729	26,763	3,000	29,763	24,391
Magic Valley GWD	261,877	32,346	262,205	238,094	24,112	5,100	29,212	-3,134
A&B ID	174,735	21,582	-	-	-	-	21,582	0
North Snake GWD**	205,501	25,382	205,219	173,992	31,228	0	31,228	5,846
Southwest ID	104,417	12,897	-	-	-	-	12,897	0
Falls ID	6,968	861	-	-	-	-	861	0
Total:	1,943,096	240,000	1,664,683	1,517,387	147,296	92,288	274,923	34,923

Sentinel Wells: 2017 Ground Water Level Index

GW LEVELS	GW Level Index (feet)
1981	4.71
1982	4.26
1983	4.83
1984	6.68
1985	7.51
1986	7.64
1987	7.51
1988	6.32
1989	4.98
1990	3.86
1991	2.68
1992	1.48
1993	-0.21
1994	-0.03
1995	-1.2
1996	-0.21
1997	0.75
1998	1.56
1999	2.29
2000	2
2001	1.11
2002	-0.67
2003	-2.7
2004	-4.35
2005	-5.28
2006	-4.94
2007	-4.83
2008	-5.77
2009	-6.23
2010	-5.96
2011	-6.26
2012	-6.12
2013	-6.92
2014	-8.46
2015	-8.72
2016	-9
2017	-7.37
2018	
2019	
2020	-8.72
2021	
2022	
2023	-3.9
2024	
2025	
2026	0.93

Average of these years is the 2036 restoration target.

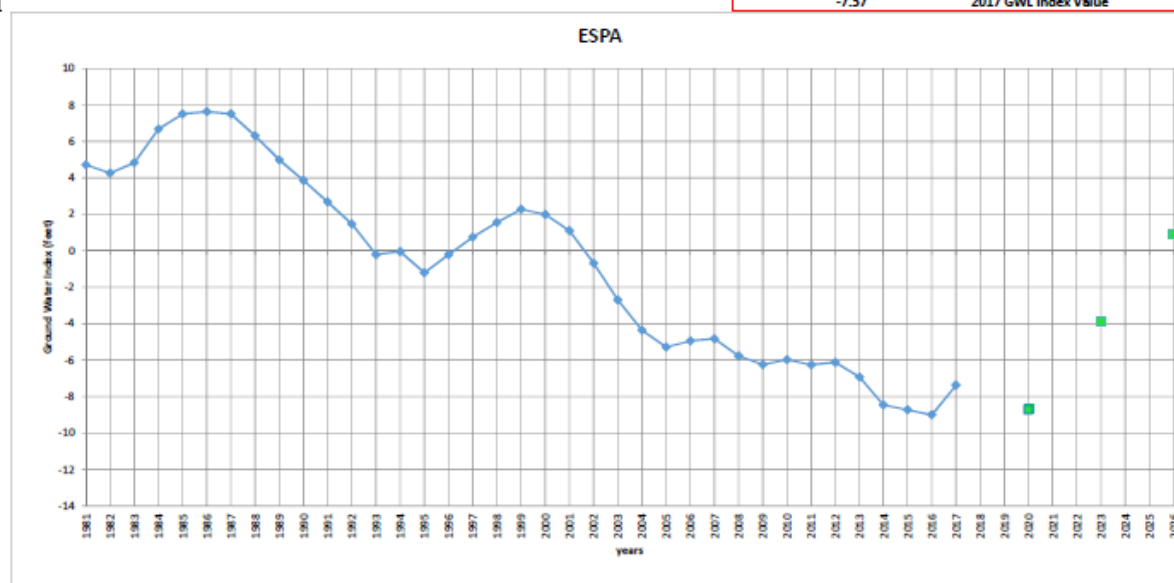
Well I.D.	Mean GWL 1981 - 2014	2017 GWL Value	Mean minus March/April
01S 30E 15BCA1	717.11	721.18	-4.07
02N 31E 35DCC1	589.36	595.08	-5.72
02N 37E 02ABA1	169.78	175.64	-5.86
03N 37E 12BDB1	134.00	135.88	-1.88
03S 33E 25CCC1	38.32	39.69	-1.37
03S 34E 02BCC3	25.66	27.57	-1.91
04S 33E 20CBB1	31.60	29.15	2.45
04S 33E 20CBB4	8.41	10.45	-2.04
05S 25E 22DAD1	507.84	525.00	-17.16
05S 28E 26BBB1	685.07	691.17	-6.10
05S 31E 27ABA1	24.23	20.66	3.57
06S 22E 28CDD1	208.56	225.34	-16.78
06S 29E 15BBC1	415.16	419.36	-4.20
07S 26E 14CCC1	322.22	339.51	-17.29
08S 25E 36DAA1	120.90	132.47	-11.57
08S 28E 03DCC1	267.82	284.81	-16.99
08S 28E 01AAA2	231.02	234.55	-3.53
09S 25E 03CAC1	58.04	66.48	-8.44
09S 25E 23DBA1	148.36	157.28	-8.92
10S 21E 28BCB1	325.13	344.76	-19.63

Comments

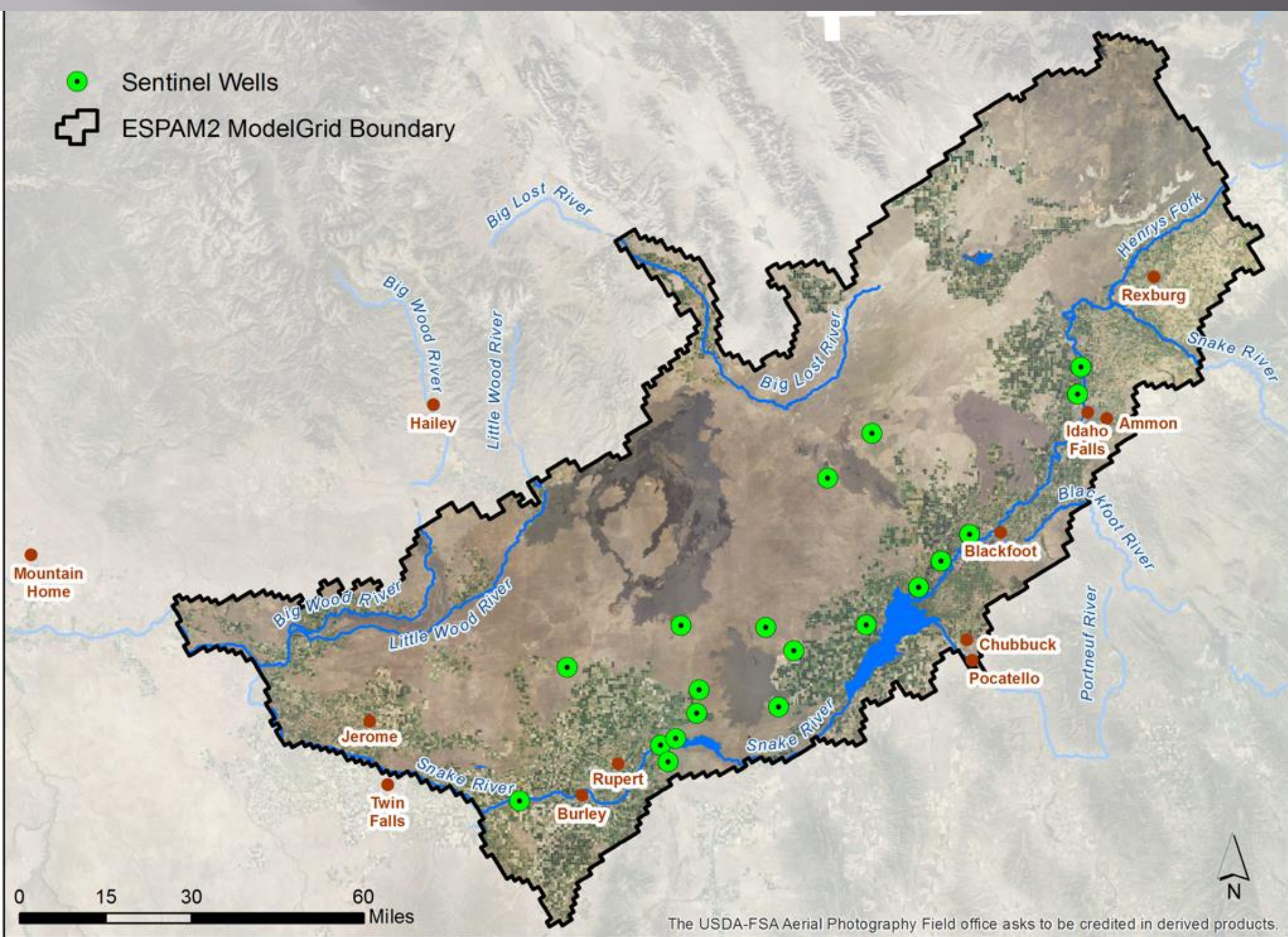
Provisional data. Single measurement from April 4, 2017.

Provisional data. Average of March/April measurements.

2017 GWL Index Value



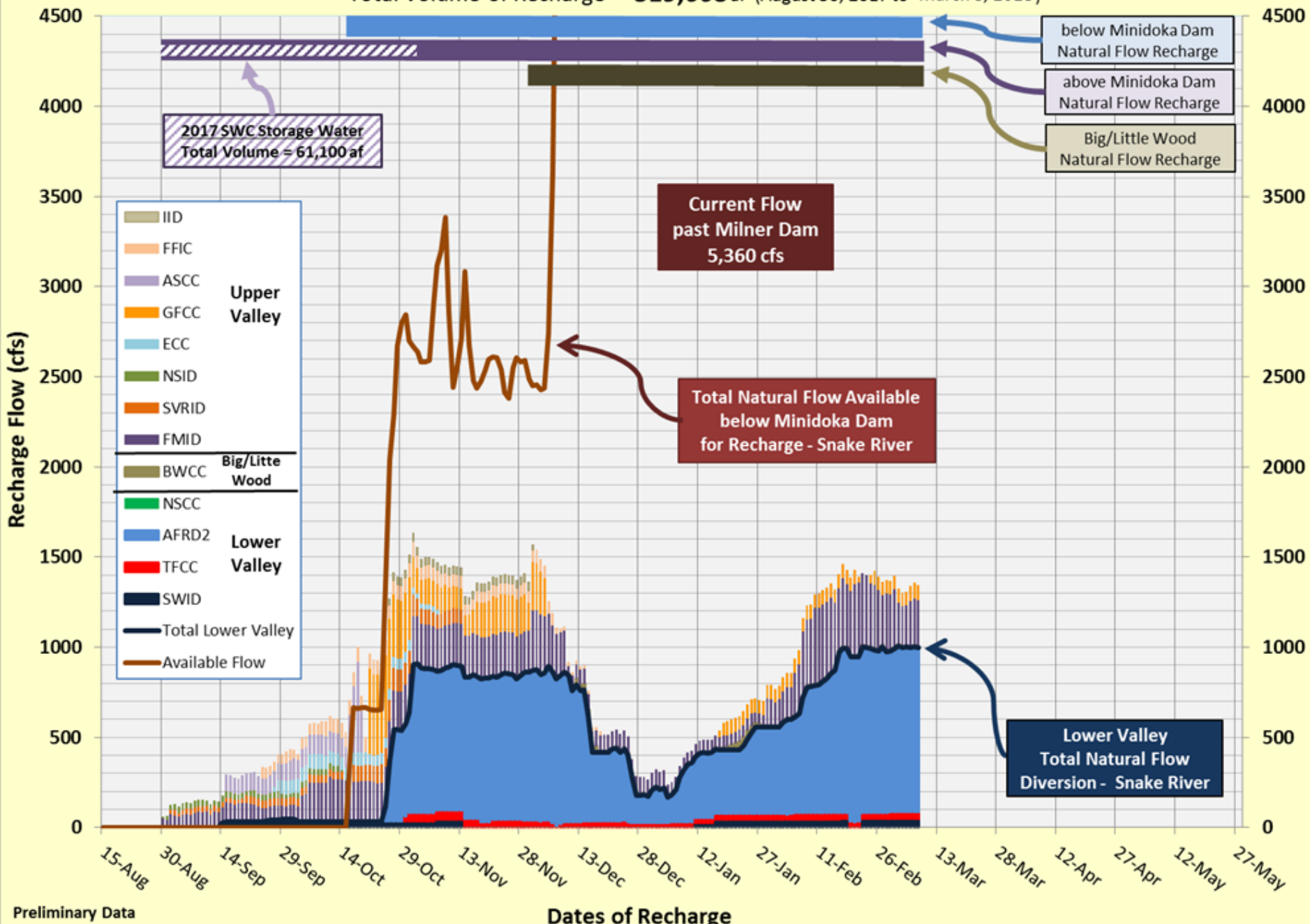
- Sentinel Wells
- ⊞ ESPAM2 ModelGrid Boundary



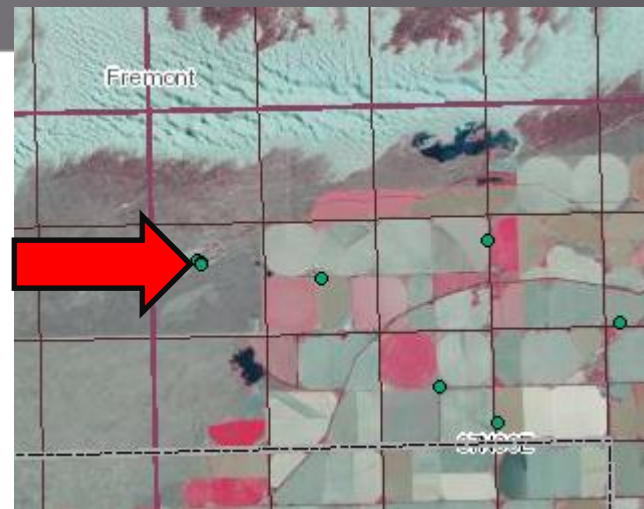
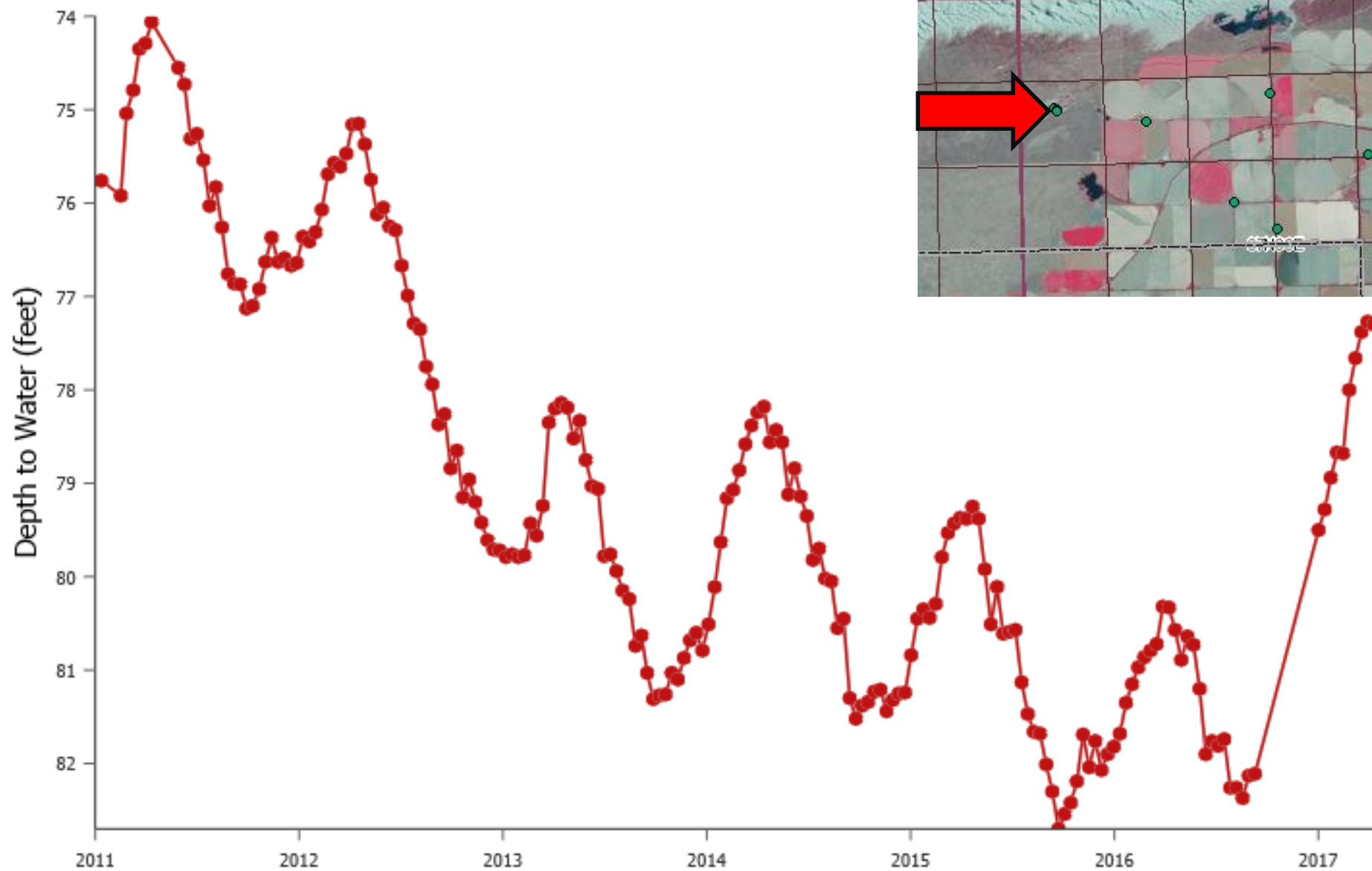
The USDA-FSA Aerial Photography Field office asks to be credited in derived products.

Total IWRB Managed Recharge Rates During 2017 - 2018 Season

Total Volume of Recharge = **319,008 af** (August 30, 2017 to March 8, 2018)

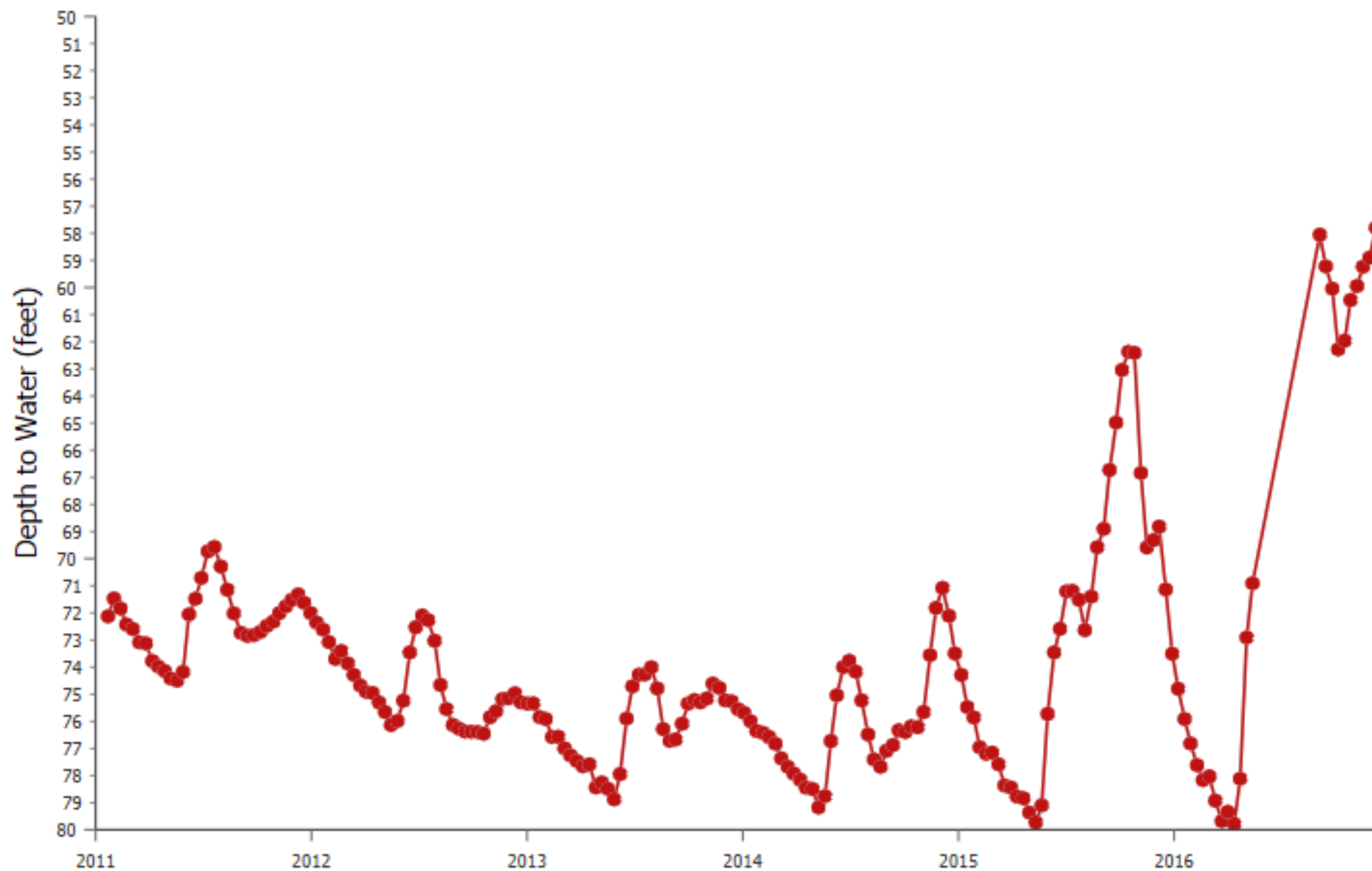


Well # 07N 39E 07BDA3



Well Levels by Date

Well # 07N 39E 07BDA4



Well Levels by Date

Well # 06N 38E 02DBD1

