

## 6-Apr-20

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BO Date/ Cyear Report Submitted	Agency	BO Number/ (Depl. Rept.)	Project Name/ Specific Depletion(s)	BO Proposed Action (AF)		Depl. Reporting - Implemented (AF)		Depl. Reporting - Forecasted (AF)		Not Covered by MOA (AF)		Methodology	Notes
				S. Platte & Laramie	N. Platte	S. Platte & Laramie	N. Platte	S. Platte & Laramie	N. Platte	S. Platte & Laramie	N. Platte		
2008	BLM	CO-08-F-026	7-2008 Projects (included Badger well)	0.28	5.63	0.28	4.66			0.28		X gal. water per day to support livestock in grazing allotments serviced by subject wells; this multiplied by # days livestock are in grazing allotment during year. Assumed any water pumped was 100% depletive to Platte.	
2009	BLM	CO-09-F-013	4-2009 Projects		0.57		0.57					Estimated based on number of permitted livestock and days of use, and assuming 15 gallons/day/cow.	
2009	FHWA-CFLHD	CO-09-F-016	Guanella Pass Rd. Ph. 2 <sup>1</sup>	2.92		1.53				1.53		Estimated based on past jobs; # water trucks on a job for a particular activity type, and X amt. water each truck holds. With that & type of project work (rehab, reconstruction, dust suppression, etc.), we extrapolate out to an equivalent use per mile, per activity type.	Covered by Xcel Energy's SPWRAP membership. Project constructed in 2009 and 2010, with approx. 50% water used in 2009 and 50% in 2010.
2009	WAPA	CO-09-F-020	Willoby Substation Trans. Proj.	0.19								Water use: X acres of dust compaction and X gal. of water per acre; X amt. of concrete using X gal. of water.	
2010	BLM	CO-10-F-013	3-2010 Projects		0.98								
2010	FHWA-CFLHD	CO-11-F-003	Tarryall Creek Rd. Sect. 2 <sup>2</sup>	1.15									
2011	WAPA	(CO-09-F-020)	Willoby					0.19				same as above	
2011	BLM	(CO-10-F-013)	4 wells (Soap Creek; Dry Fork, Bostwich & Cty Rd 12 wells)				0.39		0.78			same as above	
2011	FHWA-CFLHD	(CO-11-F-003)	Tarryall Creek Rd. Sect. 2					1.15				same as above	
2011	FHWA-CFLHD	CO-11-F-012	Guanella Pass Rd Ph.3 / horse trail	0.38									
2011	FHWS-CFLHD	CO-11-F-016	OMAD MM Missile Rd. (1)	0.15									
2011	BLM	CO-11-F-018	1-2011 Project (Cty Rd 12 well)		0.19							same as above	
2012	FHWA-CFLHD	(CO-11-F-012)	Guanella Ph3/horse trail			0.00						same as above	FHWA had anticipated water usage for compaction and dust suppression, however the contractor was able to meet contract specifications without water usage.
2012	FHWA-CFLHD	(CO-11-F-016)	OMAD MM Missile Rd. (1)(implemented); (2)(forecasted)			0.16		0.23				same as above	
2012	BLM	(CO-08-F-026; CO-10-F-013; CO-11-F-018)	Dry Fork & Cty Rd. 12 wells (implemented); Badger & Bostwich wells (forecasted)				0.55		1.2			15 gal./day/cow to support livestock in grazing allotments serviced by subject pond; this multiplied by # days livestock are in grazing allotment during year, plus estimated pond evaporation. Assumed any water consumed was 100% depletive to Platte.	
2012	WAPA	(CO-09-F-020)	Willoby			0.12						same as above	
2012	FHWA-CFLHD	(CO-11-F-003)	Tarryall Creek Rd. Sect. 2			1.09						same as above	
2012	FHWA-CFLHD	CO-12-F-017	OMAD MM Missile Rd. (2)	0.15									
2012	FHWA-CFLHD	CO-12-F-022	Tarryall Creek Rd. Sect. 3	1.15									
2013	WAPA	(CO-09-F-020)	Willoby			0.04						same as above	
2013	FHWA-CFLHD	(CO-12-F-017)	OMAD MM Missile Rd. (2) (2)(implemented); (3)(forecasted)			0.23		0.38				Water usage was measured daily by contractor and reported to FHWA monthly.	
2013	FHWA-CFLHD	(CO-12-F-022)	Tarryall Creek Rd. Sect. 3					1.15				same as above	
2013	BLM	(CO-08-F-026; CO-10-F-013)	Badger & Bostwich wells				1.2					same as above	
2013	FHWA-CFLHD	CO-13-F-013	Guanella Pass Rd. Full Ph 3 (2013 - 2014)	0.77				0.38					Project would be split over 2013-2014
2013	USFS	CO-13-F-018	Northgate Allotment Mngmt Plan		3.4				3.4				Could occur in 2014 or later
2013	USFWS	CO-13-F-020	Rocky Mtn Arsenal NWR	2.10									
2013	FHWA-CFLHD	CO-13-F-021	OMAD MM Missile Rd 300 (58) (3)	0.23									
2014	FHWA-CFLHD	(CO-12-F-022)	Tarryall Creek Rd. Sect. 3 implemented; (4) Forecasted			1.48		1.15				Water usage was measured daily by contractor and reported to FHWA monthly.	(4) Forecasted was postponed to 2014/2015
2014	FHWA-CFLHD	(CO-13-F-013)	Guanella Pass Rd. Full Ph 3 (2013 - 2014)			0.00		0.77					Postponed until 2014-2015
2014	USFS	(CO-13-F-018)	Northgate Allotment Mngmt Plan				0		0				Would occur in 2015 at earliest
2014	USFWS	(CO-13-F-020)	Rocky Mtn Arsenal NWR			1.59		1.62				An average bison uses 0.01 ac-ft water/yr. The max. number of bison was estimated at 90. Calculations for water use related to FWS facilities are based on meter readings for Buildings 120, 121, 383, and the Visitor Center.	
2014	FHWA-CFLHD	(CO-13-F-021)	OMAD MM Missile Rd 300 (58) (3)					0.23					Postponed until 2014
2014	WAPA		Kersey West Switching Station					0.01				16, 920 gal for estimated 470 Cyds of concrete (36 gal water per Cyd); 35,000 gal for soil compaction	
2014	DOE	2014-F-0248	NWTC Development Plan	0.99						0.99			Covered by City of Boulder's SPWRAP membership
2014	FHWA-CFLHD	2014-F-0469	OMAD MM Missile Rd 300 (59) (4)	0.26									

2014	DOE	2014-F-0659	South Table Mountain Campus Improvements	48.33					48.33		Covered by Consolidated Mutual Water Company's SPWRAP membership
2015	FHWA-CFLHD	(CO-13-F-021)	OMAD MM Missile Rd 300 (58) (3)			0.01		0.22		Water usage was measured daily by contractor and reported to FHWA monthly.	Will be completed in 2015
2015	USFWS	(CO-13-F-020)	Rocky Mtn Arsenal NWR			1.86		1.6		same as above	
2015	FHWA-CFLHD	(CO-13-F-013)	Guanella Pass Rd. Full Ph 3 (2013-2014); now 2014-15 / Adjusted			0.38		0.26		same as above; from Scott Gomer Creek	Will be completed in 2015
2015	USFS	(CO-13-F-018)	Northgate Allotment Mngmt Plan				0		?		Will likely occur in 2016
2015	DOE	(2014-F-0248)	NWTC Development Plan / Adjusted						?		Covered by City of Boulder's SPWRAP membership
2015	FHWA-CFLHD	(2014-F-0469)	OMAD MM Missile Rd 300 (59) (4) Implemented, 300 (60) (5) Forecasted			0.23		0.21		same as above	
2015	DOE	(2014-F-0659)	South Table Mountain Campus Improvements						?		Covered by Consolidated Mutual Water Company's SPWRAP membership
2015	WAPA	(no BO issued)	Kersey West Switching Station			<0.1					Under deminimus so no consultation required
2015	FHWA-CFLHD	2015-F-0xxx	Tarryall Creek Rd. Sect. 4					1.15		Tarryall Creek	Construction postponed until 2016
2015	WAPA	N/A	Goshen Substation					<0.1			Under deminimus so no consultation required
2015	FHWA-CFLHD	2015-F-0355	OMAD MM Missile Rd 300 (60) (5)	0.21						undetermined source	
2015	BLM	2015-F-0342	1- 2015 Project (Alkali Well Pipeline)		0.27					same as above	
2015	FHWA-CFLHD	2015-F-0928	Lefthand Canyon Drive Rehab Project	0.77						Lefthand Creek	
2016	FHWA-CFLHD	(CO-13-F-013)	Guanella Pass Rd. Full Ph 3 (CO FLAP CR 62(2) (2013-2014); now 2014-15 /Adjusted			1.16				Scott Gomer Creek	
2016	FHWA-CFLHD	(CO-13-F-021)	OMAD MM Missile Rd 300 (58) (3)			0.18				undetermined	
2016	FHWA-CFLHD	2015-F-0355	OMAD MM Missile Rd 300 (60) (5)			0.28				undetermined	Use exceeded estimate by 1.0 af
2016	FHWA-CFLHD	N/A	OMAD MM Missile Rd 300 (61)(8)					0.04		undetermined	Under deminimus so no consultation required (work completed in 2016)
2016	DOE	(2014-F-0248)	NWTC Development Plan / Adjusted						?		Covered by City of Boulder's SPWRAP membership
2016	DOE	(2014-F-0659)	South Table Mountain Campus Improvements						?		Covered by Consolidated Mutual Water Company's SPWRAP membership
2016	BLM	(2015-F-0342)	1- 2015 Project (Alkali Well Pipeline)				0.27			same as above	
2016	USFWS	(CO-13-F-020)	Rocky Mtn Arsenal NWR			2.23		1.60		same as above	Use exceeded total [2.1] estimate by 0.13 af
2016	USFS	(CO-13-F-018)	Northgate Allotment Mngmt Plan				0		0		
2016	FHWA-CFLHD	2015-F-0xxx	Tarryall Creek Rd. Sect. 4 (CO FLAP CR 77(5))					1.15			Under deminimus so no consultation required
2016	WAPA	N/A	Goshen Substation			<0.1		<0.1			
2016	FHWA-CFLHD	(2015-F-0928)	Lefthand Canyon Drive Rehab Project					0.77		Lefthand Creek	Will be completed in 2016
2016	FHWA-CFLHD	2015-F-0987	Tarryall Creek Rd. Sect. 4 (CO FLAP CR 77(5))	1.15						Tarryall Creek	Will be completed in 2016
2017	DOE	(2014-F-0248)	NWTC Development Plan Adjusted						?		Covered by City of Boulder's SPWRAP membership
2017	DOE	(2014-F-0659)	South Table Mountain Campus Improvements Adjusted						?		Covered by Consolidated Mutual Water Company's SPWRAP membership
2017	USFWS	(CO-13-F-020)	Rocky Mtn Arsenal NWR			1.83		1.96		same as above	BO amended 1/12/17
2017	USFS	(CO-13-F-018)	Northgate Allotment Mngmt Plan				0		0	North Platte River basin	
2017	FHWA-CFLHD	(2015-F0987)	Tarryall Creek Rd. Sect. 4 (CO FLAP CR 77(5))			0.69				Tarryall River	
2017	FHWA-CFLHD	(2015-F-0928)	Lefthand Canyon Drive Rehab Project			0.77				Lefthand Creek	
2017	USFS	2017-FE-0xxx	Beaver Creek Fire (Emergency Consultation)				0.823076923			North Platte River basin, Jackson County	
2017	BLM	2017-FE-0xxx	Beaver Creek Fire (Emergency Consultation)				0.823076923			North Platte River basin, Jackson County	
2017	FHWA-CFLHD	2017-F-0xxx	OMAD MM Missile Rd 300 (62)					0.23076923		North Platte River basin	
2017	WAPA	N/A	[No projects]					0.00	0		
2017	USFS	2017-FE-0376	Beaver Creek Fire (Emergency Consultation) / Adjusted		0.869230769					same as above	
2017	BLM	2017-FE-0526	Beaver Creek Fire (Emergency Consultation)		0.823076923					same as above	
2017	FHWA-CFLHD	2017-F-0xxx	OMAD MM Missile Rd 300 (62) (adjusted & never consulted on)							same as above	Adjusted later to be under deminimus so did not request consultation
2017	USFWS	(CO-13-F-020 Amendment)	Rocky Mtn Arsenal NWR	5.00							
2018	DOE	(2014-F-0248)	NWTC Development Plan						?		Covered same as above
2018	DOE	(2014-F-0659)	South Table Mountain Campus Improvements			85.37		increase		71.12	Covered same as above

2018	USFWS	(CO-13-F-020 Amendment)	Rocky Mtn Arsenal NWR			2.23		2.37			An average bison uses 0.01 ac-ft water/yr. The max. number of bison was 159 and minimum no. was 115, or an average of 137. Calculations for water use related to FWS facilities are based on meter readings for Buildings 120, 121, 124, 383, the Visitor Center, and Anselmi's trailer	
2018	USFS	(CO-13-F-018)	Northgate Allotment Mngmt Plan (Med Bow-Routt NF)				0		0			
2018	FHWA-CFLHD	N/A	OMAD MM Missile Rd 300 (62)			0.08					same as above	Under deminimus so no consultation required
2018	FHWA-CFLHD	2018-F-0xxx	Adjusted OMAD MM Missile Rd 300 (63) Package B					0.33			same as above	
2018	FHWA-CFLHD	2018-F-0xxx	CO FLAP 102 (1) Brainard Lake Road					0.01			same as above	Anticipated to be under deminimus & no consultation required
2018	USFS	2018-F-0xxx	2 Range Improvement projects, Pawnee NG (ARNF)					?				
2018	BLM	N/A	[no projects]			0.00	0	0.00	0			
2018	WAPA	N/A	[No projects]			0.00	0	0.00	0			
2018	FHWA-CFLHD	2018-F-0xxx	OMAD MM Missile Rd 300 (63) Package B								same as above	
2018	FHWA-CFLHD	2018-F-0xxx	CO FLAP 102 (1) Brainard Lake Road									
2018	USFS	2018-F-0xxx	2 Range Improvement projects, Pawnee NG (ARNF)									
2018												
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2018												
2019	USFWS	(CO-13-F-020 Amendment)	Rocky Mtn Arsenal NWR			3.11		3.20		1.29	Includes new uses for bison and FWS facilities, 1.29 af was pre-existing historic uses.	
2019	FHWA-CFLHD	FWS-NE-2019-076	Minute Man Missile Project			1.16		7.00			NE segment of this project projected to use up to 5 af in	
Total				66.21	12.73230769	108.09	9.286153846	29.40	5.38	184.84	0	

- 1 Project included 33 af/13 yrs of baseline  
2 Project included 15 af/13 yrs of baseline