Trout Population Data on Floatable Rivers 2008-2018

This document summarizes trout population data collected during the past decade on floatable rivers in Wyoming that receive unregulated use by commercial outfitters. Few standard monitoring reaches are surveyed annually or biannually. Most are surveyed on three to five year intervals. Most estimates that were conducted during the 2018 field season have not yet been calculated, but will be included in the progress report on the 2018 work schedule in early spring 2019. References to these forthcoming estimates are highlighted in yellow.

Casper Region Estimates: page 2

North Platte River at Miracle Mile, Gray Reef, Bessemer Bend, and Robertson Road

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Green River at Kendall Bridge, Warren Bridge, Forty-Rod/Brown's, Huston to Sommer, 5-Mile Bridge, and Delaney Canyon

New Fork River at Pine Creek, Mocrofts, Airport, Below Boulder Creek, East Fork Confluence, and Remmick Access

Casper Region

North Platte River – Miracle Mile

Objective: Maintain a standing stock of at least 3,000 trout per mile, Wr at least 105, and a RSD-16 of 20 for TRT.

This reach is monitored every other year. Prior to 2008, estimates were conducted only on a short reach above the bridge at the Miracle Mile. In 2008, the station was lengthened to better represent the range of habitat types present and to minimize violation of the closed population assumption. Estimates continue to be broken out as just the short "historic section" for historical context, as well as the total reach estimate or newer "long" station. Trout abundance trends for the historic reach are presented in Figure CR1. The actual detailed estimates for 2016, 2014, 2012, 2010 and 2008 are presented in Tables CR1-CR8. Estimates were also conducted in 2018, but have not yet been calculated. The 2018 estimates will be presented in the spring 2019 progress report.

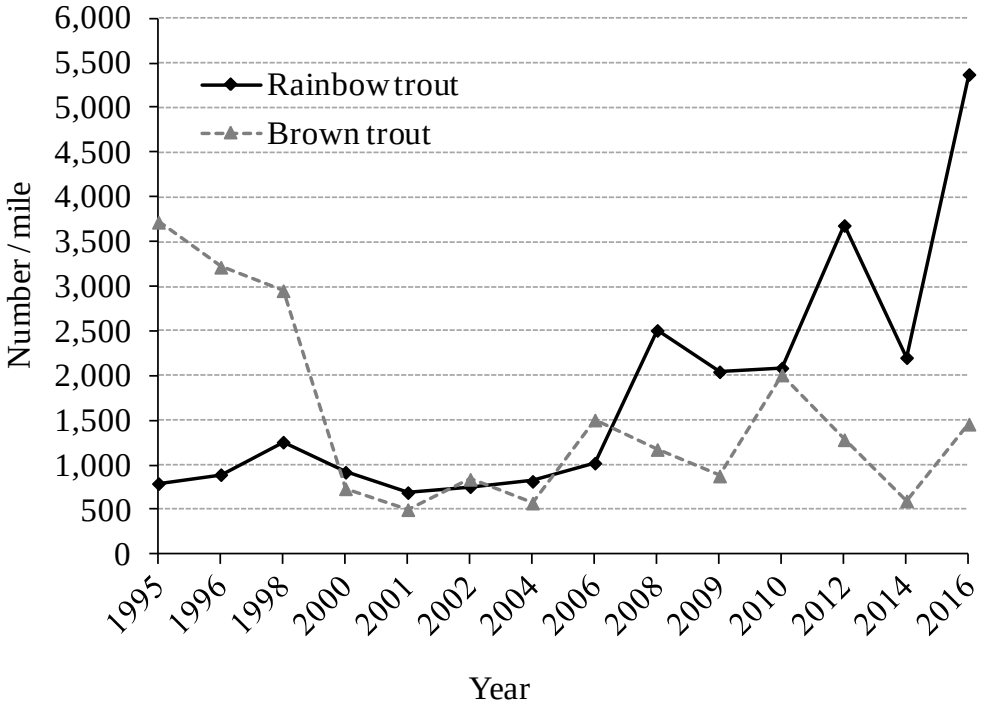

Figure CR1. Estimated abundance (fish/mile) of RBT and BNT in the uppermost 1.06 mile "historic station" at the Miracle Mile reach of the North Platte River from 1995 to 2016. Estimates are for trout >=6.0 inches.

Table CR1. July 2016 Trout population estimates at the Miracle Mile

Species	Inch group	Number /mile	CV%	Pounds /mile	CV%	PC%	Estimate quality
Historic station							
RBT	6.0-11.9	4,542	37	993	20	2	Very Poor
	12.0-16.9	410	13	595	9	13	Very Good
	17+	422	11	979	9	14	Very Good
	Pooled	5,374	31	2,567	9	.	.
BNT	6.0-9.9	1,344	39	154	44	3	Very Poor
	10.0-13.9	53	29	37	20	14	Poor
	14+	60	19	116	9	19	Very Good
	Pooled	1,458	36	308	23	.	.
SRC	6+	10	34	23	19	21	Poor
TRT	Pooled	6,842	26	2,897	8	.	.
New long station							
RBT	6.0-11.9	2,799	27	584	17	2	Very Poor
	12.0-16.9	256	13	372	9	11	Very Good
	17+	337	10	803	8	12	Excellent
	Pooled	3,396	22	1,762	7	.	.
BNT	6.0-9.9	2,326	40	246	44	1	Very Poor
	10.0-13.9	42	33	29	21	10	Poor
	14+	101	22	213	10	10	Acceptable
	Pooled	2,473	38	489	23	.	.
SRC	6+	21	38	42	21	12	Poor
TRT	Pooled	5,889	20	2,293	7	.	.

Table CR2. July 2014 Trout population estimates at the Miracle Mile.

Species	Inch group	Number /mile	CV%	Pounds /mile	CV%	PC%	Estimate quality
Historic station							
RBT	6.0-11.9	820	25.2	355	17.7	5.3	Poor
	12.0-16.9	1,156	9.5	1,331	7.5	10.8	Excellent
	17+	227	32.5	426	24.2	7.5	Very poor
	Pooled	2,203	11.1	2,112	7.4	.	.
BNT	6.0-9.9	169	38.3	39	24.3	7.3	Very poor
	10.0-13.9	198	43.6	117	24.3	6.0	Very poor
	14+	232	26.7	373	11.6	8.5	Very poor
	Pooled	599	20.8	528	9.9	.	.
SRC	6+	80	39.9	108	26.8	9.5	Very poor
TRT	Pooled	2,882	9.6	2,747	6.1	.	.
New long station							
RBT	6.0-11.9	572	19.0	226	13.5	5.0	Acceptable
	12.0-16.9	811	8.3	937	7.0	9.3	Acceptable
	17+	300	32.6	585	23.6	4.3	Very Poor
	Pooled	1,685	9.6	1,750	8.9	.	.

BNT	6.0-9.9	324	41.8	67	24.8	3.3	Very Poor
	10.0-13.9	134	36.4	80	20.4	5.5	Very Poor
	14+	277	20.9	439	9.8	6.8	Poor
	Pooled	736	21.1	587	8.4	.	.
SRC	6+	93	32.5	124	19.7	7.0	Very Poor
TRT	Pooled	2,514	9.0	2,461	6.7	.	.

Table CR3. July 2012 Population estimates for the Miracle Mile, 1.06 mile historical station

Species	Length (in)	Number/mile	CV (%)	Pounds/mile	SE	Estimate Quality
BNT	6-9.9	789	37.9	141	36	Very Poor
	10-13.9	218	30.3	135	22	Very Poor
	≥14	277	36.1	527.4	72	Very Poor
	sum ≥ 6	**1,284**	**25.1**	**803**	**83**	**n/a**
RBT	6-11.9	2,382	31.8	391.5	117	Very Poor
	12-16.9	1,169	20.3	918.7	176	Poor
	≥17	132	61.4	187.5	108	Very Poor
	sum ≥ 6	**3,683**	**21.7**	**2,386**	**237**	**n/a**
All trout	**sum ≥ 6**	**4,967**	**17.3**	**3,187**	**251**	**n/a**

Table CR4. July 2012 Population estimates for the Miracle Mile, 2.64 mile intermediate station.

Species	Length (in)	Number/mile	CV (%)	Pounds/mile	SE	Estimate Quality
BNT	6-9.9	517	24.8	219	517	Very Poor
	10-13.9	132	28.0	91	132	Very Poor
	≥14	216	30.1	113	216	Very Poor
	sum ≥ 6	**865**	**17.1**	**423**	**576**	**n/a**
RBT	6-11.9	1,459	24.6	391.5	60	Very Poor
	12-16.9	731	17.7	918.7	99	Acceptable
	≥17	90	35.6	187.5	44	Very Poor
	sum ≥ 6	**2,280**	**16.8**	**1,498**	**124**	**n/a**
All trout	**sum ≥ 6**	**3,145**	**13.1**	**1,921**	**589**	**n/a**

Table CR5. August 2010 Population estimates for the Miracle Mile, historical station.

Species	Length (in)	Number/mile	CV (%)	Pounds/mile	SE	Estimate
BNT	8-10.9	1523	27.0	424	106.0	Very Poor
	11-15.9	305	18.9	322	38.0	Very Good
	≥16	182	21.0	505	50.4	Acceptable
	sum ≥ 6	**2009**	**20.7**	**1252**	**123.4**	**n/a**
RBT	8-11.9	1199	16.9	537	195.3	Acceptable
	12-15.9	584	11.7	649	54.5	Very Good
	≥16	304	17.2	714	64.8	Very Good
	sum ≥ 6	**2087**	**10.6**	**1900**	**212.8**	**n/a**
All trout	**sum ≥ 6**	**4096**	**11.5**	**3152**	**246.0**	**n/a**

Table CR6. August 2010 Population estimates for the Miracle Mile, long station.

Species	Length (in)	Number/mile	CV (%)	Pounds/mile	SE	Estimate Quality
BNT	8-10.9	504	18.3	140	28.3	Acceptable
	11-15.9	142	20.1	149	15.2	Very Good
	≥16	169	12.4	469	34.2	Very Good
	sum ≥ 6	**1123**	**13.9**	**845**	**59.6**	**n/a**
RBT	8-11.9	604	16.4	271	98.2	Very Poor
	12-15.9	297	10.5	329	26.2	Very Good
	≥16	110	12.8	258	19.5	Very Good
	sum ≥ 6	**1011**	**10.4**	**858**	**103.5**	**n/a**
All	**sum ≥ 6**	**2133**	**8.8**	**1703**	**119.4**	**n/a**

Table CR7. July 2008 Population estimates for the Miracle Mile, historical station.

Species	Length (in)	Number/mile	CV %	Pounds/mile	SE	Estimate Quality
BNT	6–10.9	902	23.4	175.5	24.5	Poor
	11.0–15.9	169	18.8	202.8	28.1	Very Good
	≥16	105	17.8	237.9	36.5	Very Good
	SUM ≥6	**1,175**	**18.2**	**616.2**	**52.1**	**N/A**
RBT	6–10.9	2,321	18.2	659.4	78.1	Acceptable
	11.0–15.9	115	18.4	128.9	13.6	Very Good
	≥16	72	9.8	158.2	11.8	Excellent
	SUM ≥6	**2,508**	**16.8**	**946.5**	**80.2**	**N/A**
All Trout	**SUM ≥6**	**3,683**	**12.9**	**1,562.7**	**95.6**	**N/A**

Table CR8. July 2008 Population estimates for the Miracle Mile, long station.

Species	Length (in)	Number/mile	CV %	Pounds/mile	SE	Estimate Quality
BNT	6–10.9	674	19.3	118.4	16.7	Very Poor
	11.0–15.9	118	11.6	149.1	16.2	Very Good
	≥16	106	13.0	233.8	24.5	Very Good
	SUM ≥6	**898**	**14.7**	**501.3**	**33.8**	**N/A**
RBT	6–10.9	1,170	13.2	322.7	31.9	Acceptable
	11.0–15.9	92	16.2	113.0	11.6	Very Good
	≥16	83	11.1	189.3	14.3	Very Good
	SUM ≥6	**1,346**	**11.5**	**625.0**	**36.8**	**N/A**
All Trout	**SUM ≥6**	**2,244**	**9.1**	**1,126.4**	**49.9**	**N/A**

North Platte River – Gray Reef

Objective: Maintain a standing stock at the Gray Reef reach of 3,600 trout and 4,100 pounds per mile.

The Gray Reef reach is monitored every other year. An estimate was generated in 2009 due to concerns that the trout population was declining and to gauge natural reproduction from 2008. The large spike in the trout population was evident in 2012 and was the result of high water years in 2010 and 2011 which resulted in record levels of natural recruitment of RBT. A population estimate was generated in 2018, which will be reported in the annual progress report in spring 2019. The trout population in this reach of river has remained above the population objective since 2012 (Figure CR2). Although abundance declined from 2010-2016, biomass estimates were stable indicating a significant increase in the size of fish during this period. Detailed abundance estimates for the 2008-2016 period are presented in Tables CR9-CR14.

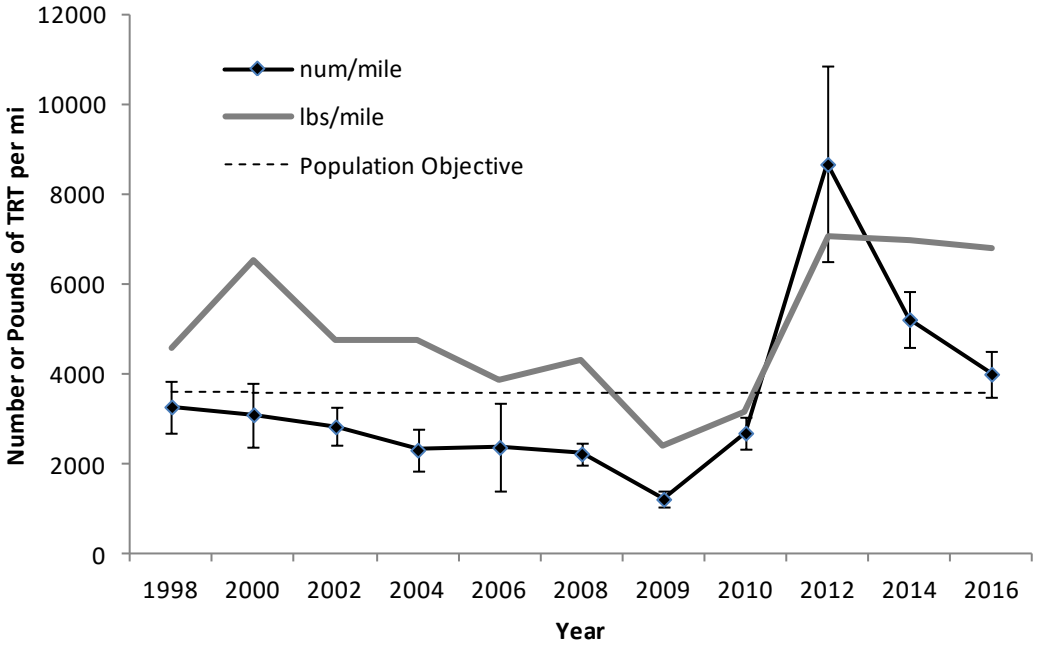

Figure CR2. Population and biomass estimates for the North Platte River at Gray Reef; 1998 – 2016.

Table CR9. October 2016. North Platte River, Gray Reef population station.

Species	Length (in)	Number/mile	SE	Pounds/mile	SE	Comment
RBT	8.0-12.9	66	24	37.8	8.2	Age 1
	< 14.0	132	52	85.9	18.8	
	14.0-15.9	646	128	853.4	162.6	
	≥ 16.0	3227	476	5863	618	
RBT	≥ 6.0	4005	496	6802	639	Summed

Table CR10. October 2014. North Platte River, Gray Reef population station.

Species	Length (in)	Number/mile	SE	Pounds/mile	SE	Comment
BNT	≥ 6.0	31	25	123	146	
RBT	8.0-12.9	570	608	367.4	320	Age 1
	6.0-13.9	1243	419	971	269	
	14-15.9	2131	337	2588	372	
	≥ 16.0	1812	315	3020	390	
	≥ 6.0	5186	623	6810	497	Summed
TRT	≥ 6.0	5218	624	6984	499	Summed

Table CR11. October 2012. Population and biomass estimates for RBT. North Platte River, Gray Reef population station.

Species	Length (in)	Number/mile	SE	Pounds/mile	SE	Comment
RBT	6.0-12.9	5,656	2,090	2,712	606	
	8.0-12.9	5,162	1,901	2,565	577	Age 1
	13.0-15.9	1,770	507	2,073	391	Age 2
	≥ 16.0	1,245	371	2,265	405	Age 3+
RBT	≥ 6.0	8,671	2,182	7,051	826	Summed

Table CR12. October 2010. Species, size range, number per mile (SE), pounds per mile (SE) and estimate quality. North Platte River at Gray Reef.

Species	Length (in)	Number/mile	SE	Pounds/Mile	SE	Estimate quality
RBT	6.0-12.9	2,274	420	1,033	109	Acceptable
	13.0-16.9	363	103	471	72	Poor
	17.0-19.9	511	63	1,242	121	Very Good
	≥ 20.0	148	48	473	127	Poor
	≥ 6.0	3,294	440	3,220	219	
BNT	≥ 6.0	39	22	108	58	Very Poor
TRT	≥ 6.0	3,333	441	3,328	227	

Table CR13. October 2009. Species, size range, number per mile (SE), pounds per mile (SE) and estimate quality. North Platte River at Gray Reef.

Species	Length (in)	Number/mile	SE	Pounds/mile	SE	Estimate quality
RBT	6.0-16.9	440	134	487	105	Very poor
	17.0-18.9	540	92	1,211	172	Acceptable
	>= 19.0	216	59	629	141	Very poor
	Sum > 6.0	1,196	173	2,327	246	n/a
TRT	6.0-16.9	445	135	493	105	Very poor
	17.0-18.9	555	95	1,244	178	Acceptable
	>=19.0	224	61	655	145	Very poor
	Sum>6.0	1,224	176	2,393	253	n/a

Table CR14. October 2008. Population and Biomass estimates for the North Platte River at Gray Reef.

Species	Length (in)	Number/mile	CV %	Pounds per mile	CV %	Estimate Quality
RBT	6.0-15.9	427	21%	554	17%	Acceptable
	16.0-17.9	1,169	14%	2,172	12%	Acceptable
	>= 18.0	546	24%	1,358	17%	Poor
	Sum >= 6.0	2,142	11%	4,085	9%	
TRT	6.0-15.9	449	21%	576	17%	Acceptable
	16.0-17.9	1,191	14%	2,217	12%	Acceptable
	>= 18.0	593	24%	1,536	16%	Poor
	Sum >= 6.0	2,233	11%	4,329	9%	

North Platte River – Bessemer Bend

Objective: Maintain a standing stock at the Bessemer reach of 2,700 trout and 1,600 pounds per mile.

The Bessemer Bend sampling reach is also generally monitored every two years. The 2012 estimate was cancelled due to mechanical problems with sampling equipment. Similar to the Gray Reef reach further upstream, the large spike in the trout population in 2014 was likely attributable to high levels of natural recruitment of RBT following high water years in 2010 and 2011. An estimate was completed in October 2018. The estimate will be included in the progress report on the 2018 work schedule in spring 2019.

The trout population in this reach of river has remained at or above population objectives (2,700 trout/mi and 1,600 lbs/mi) for eight of the past 10 years (Figure CR3). Detailed abundance estimates for the 2008-2016 period are presented in Tables CR15-CR19.

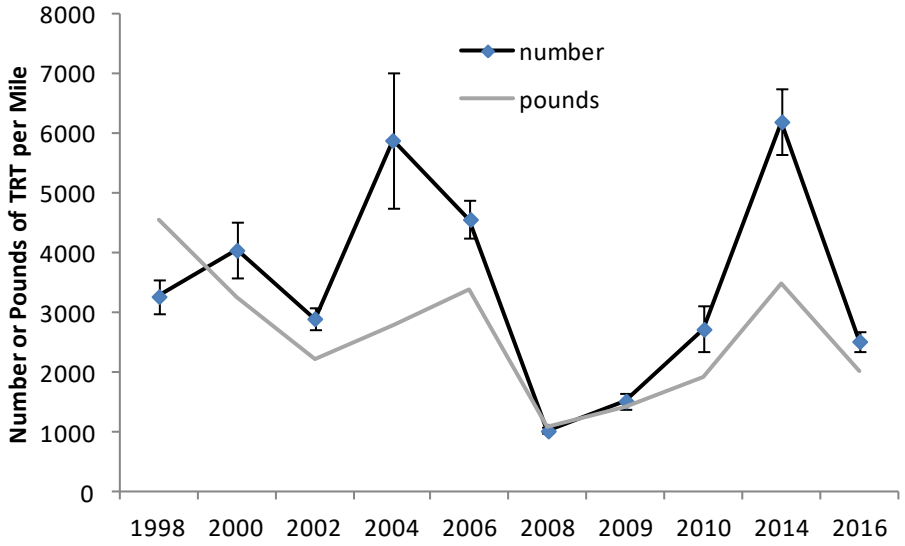

Figure CR3. North Platte River at Bessemer Bend. Total trout estimates. Estimates may be for trout >6 in, >7 in or >8 in depending on year and number of recaptures available for calculation of estimates.

Table CR15. October 2016. Population and biomass estimates for the North Platte River at Bessemer.

Species	Length (in)	Number/mile	SE	Pounds/mile	SE	Comments
BNT	≥ 6.0	180	82	205.2	81	
RBT	7.0 – 9.9	528	99	148	25	Age 1 hatchery
	10.0 – 12.4	731	100	382	45	Age 1 wild
	12.5 – 15.9	986	56	1111	84	
	≥ 16.0	99	14	181	23	
RBT	≥ 7.0	2344	152	1822	100	Summed
TRT	≥ 7.0	2524	173	2027	129	Summed

Table CR16. October 2014. Population and Biomass estimates (CV) for the North Platte River at Bessemer.

Species	Length (in)	Number/mile	CV %	Pounds/mile	CV %	Comment
BNT	≥ 8.0	146	45%	276	17%	Very poor estimate – low recaptures
RBT	7.0-10.5	3292	15%	883	15%	Age 1
	10.6-12.9	2237	12%	1327	13%	
	13.0-15.9	467	13%	436	12%	
	≥ 16.0	62	49%	107	32%	Very poor estimate – low recaptures
	≥ 7.0	6059	9%	3178	7%	Summed
TRT	≥ 7.0	6205	9%	3489	7%	Summed

Table CR17. October 2010. Species, length range, number per mile (SE), pounds per mile (SE) and estimate quality. North Platte River at the Bessemer station.

Species	Length	Number/mile	SE	Pounds/mile	SE	Estimate quality
RBT	6.0-9.9	1,200	469	292	76	Acceptable
	10.0-12.9	1,211	219	695	86	Very good
	13.0-15.9	168	41	210	35	Very good
	16.0-17.9	129	26	262	42	Acceptable
	≥ 18.0	120	33	356	58	Very poor
	Sum ≥ 6.0	2,573	361	1,657	119	
Age 1 RBT	8.0-12.9	1,546	262			Very good
BNT	≥ 6.0	155	528	106	71	Abysmal
TRT	Sum ≥ 6.0	2,728	386	1,920	135	

Table CR18. October 2009. Species, length range, number per mile (SE), pounds per mile (SE) and estimate quality. North Platte River at the Narrows, October 2009.

Species	Length	Number/mile	SE	Pounds/mile	SE	Estimate quality
RBT	6.0-12.9	962	120	380	42	Acceptable
	13.0-15.9	201	19	261	25	Excellent
	16.0-17.9	220	19	423	46	Excellent
	>=18.0	83	11	241	26	Very good
	Sum>6.0	1466	123	1306	72	
BNT	>6.0	59	24	106	25	Very poor
TRT	Sum>6.0	1525	125	1412	76	

Table CR19. October 2008. Species, length range, number per mile (CV), pounds per mile (CV) and estimate quality for population estimates using model M(t) of the program capture. North Platte River at Bessemer.

Species	Length	Number/mile	CV %	Pounds/mile	CV %	Estimate Quality
RBT	6.0-9.9	131	23%	42	21%	Acceptable
	10.0-12.9	371	7%	217	8%	Excellent
	13.0-15.9	275	5%	328	7%	Excellent
	16.0-17.9	154	10%	277	11%	Excellent
	> 18.0	43	14%	123	12%	Very Good
	Sum > 6.0	974	5%	986	5%	n/a
BNT	> 6.0	50	35%	114	15%	Very Poor
TRT	Sum > 6.0	1,024	5%	1,099	5%	n/a

North Platte River – Robertson Road

Objective: Maintain a standing stock at the Robertson Road reach of 1,000 trout and 1,200 pounds per mile.

This reach is also monitored every two years. Estimates are calculated for age 1 and older trout. Estimates were not conducted in 2009 as our effort was focused on Gray Reef and Bessemer due to an ongoing creel survey.

A spike in trout abundance was also evident at the Robertson Road reach following the high water years of 2010 and 2011 (Figures CR4 and CR5). With the exception of 2013, the population in this reach has been slightly below objective since 2007. The next abundance estimate on this reach of river will be conducted in 2019. Details of estimates conducted since 2008 are presented in Tables CR20-CR23.

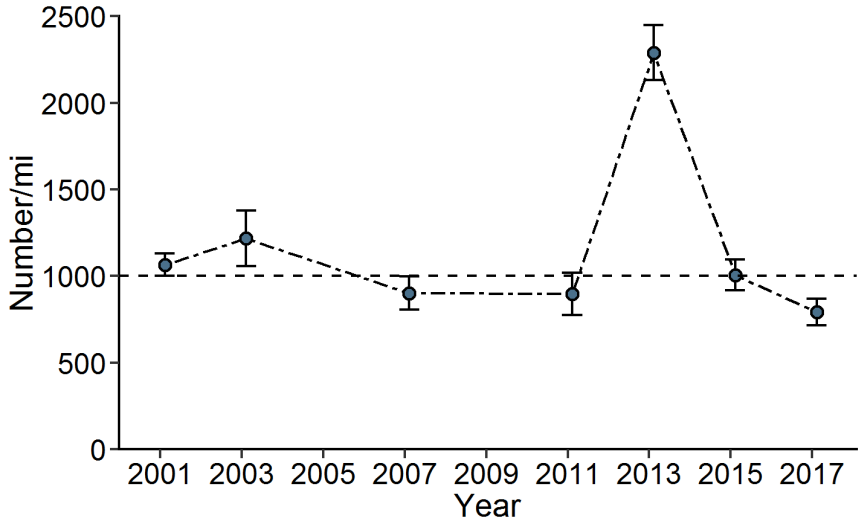

Figure CR4. Trout population estimates for the North Platte River at Robertson Road.

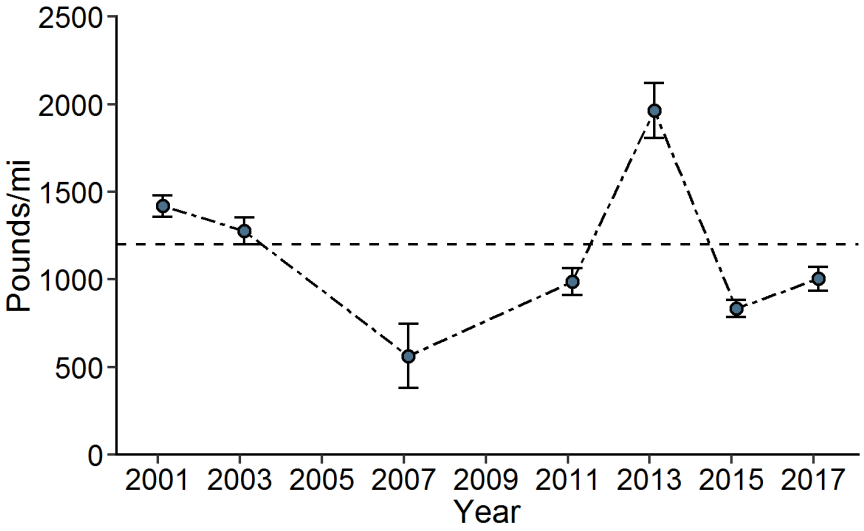

Figure CR5. Trout biomass estimates for the North Platte River at Robertson Road

Table CR20. October 2017 trout population estimates

Species	Length (in)	Type	N/mi ± SE	CV	Lbs/mi ± SE	CV
BNT	≥ 8.0	All BNT	137 ± 35	25.5	198 ± 20	10.1
RBT	8.0 – 11.4	Age 1	22 ± 13	59.1	12 ± 6	50.0
RBT	11.5 – 14.4	Age 2	234 ± 51	21.8	213 ± 30	14.1
RBT	14.5 – 15.9	-	282 ± 40	14.2	371 ± 50	13.5
RBT	≥ 16.0	-	117 ± 21	17.9	209 ± 29	13.9
RBT	≥ 8.0	All RBT	656 ± 70	10.7	805 ± 65	8.1
TRT	≥ 8.0	All TRT	792 ± 78	9.8	1003 ± 68	6.8

Table CR21. October 2015 trout population estimates

Species	Length (in)	Number/mile	CV	Pounds/mile	CV	Comment
BNT	≥ 9.0	110	30	119	12	
RBT	8.0-11.4	394	18	183	15	Age 1
	11.5-14.4	432	9	367	8	Age 2
	14.5-15.9	93	17	118	15	
	≥ 16.0	26	26	47	19	
	≥ 8.0	945	9	715	6	Sum RBT
TRT	≥ 8.0	1,055	8	834	6	Sum TRT

Table CR22. October 2013 trout population estimates

Species	Length (in)	Number/mile	CV	Pounds/mile	CV	Comment
BNT	6.0-13.5	66	32.1	43.4	20.3	
	≥ 13.6	56	19.4	99.0	8.7	
	≥ 6.0	122	19.4	142.3	8.5	Sum BNT
RBT	8.0-11.4	773	14.8	335.6	12.1	Age 1
	11.5-14.4	936	10.3	782.9	17.7	Age 2
	14.5-15.9	191	16.3	236.2	15.6	
	≥ 16.0	266	14.4	410.9	10.28	
	≥ 8.0	2,166	7.25	1,821.7	8.6	Sum RBT
TRT	≥ 8.0	2,289	6.9	1964.1	8.0	Sum TRT

Table CR23. October 2011 trout population estimates

Species	Length (in)	Number/mile	CV	Pounds/mile	CV	Estimate Quality
BNT	≥ 9.0	60	44	79	32	Very poor
RBT	6.0-12.9	504	20	306	16	Acceptable
	13.0-15.9	198	18	248	13	Acceptable
	≥ 16.0	195	24	436	11	Poor
	Sum ≥ 6.0	897	13	989	7	
TRT	Sum ≥6.0	957	13	1067	7	

Cody Region

Bighorn River – Wedding Of Waters

Objective: Maintain trout population of more than 1,000 fish >12 in/mile.

The reach from Wedding of the Waters to Thermpoplis is monitored on an annual basis during the fall and will be sampled again in 2019.

Abundance estimates for all trout larger than 12 in are presented in Table CY1. Estimates of 6.0 to 11.0 in trout are in Table CY2. Population trends are also displayed in Figures CY1 and CY2.

The most recent abundance estimate was conducted in October 2018. Detailed estimates from 2018-2008 are found in Tables CY3-CY12.

Table CY1. Population estimates from 2008-2018 summary of trout >12" in the Bighorn River, Wedding of Waters section.

Year	All TRT >12"		All RBT >12"		All BNT >12"	
	Number/mi	SE	Number/mi	SE	Number/mi	SE
2008	317	32	195	24	122	21
2009	359	41	243	37	116	19
2010	1199	88	516	88	30	7
2011	1354	104	1118	91	236	50
2012	--	--	--	--	--	--
2013	2066	142	1490	124	517	69
2014	2426	190	1676	167	712	88
2015	1670	230	1208	221	462	64
2016	1459	83	1058	77	401	31
2017	825	33	598	27	227	20
2018	665	33	512	30	153	15

Table CY2. Population estimates from 2008-2018 summary of trout 6-12" in the Bighorn River, Wedding of Waters section.

Year	All TRT 6-12"		All RBT 6-12"		All BNT 6-12"	
	Number/mi	SE	Number/mi	SE	Number/mi	SE
2008	303	54	261	53	42	12
2009	1819	305	1688	302	131	45
2010	1570	267	1435	52	135	34
2011	960	153	533	39	85	18
2012	--	--	--	--	--	--
2013	599	217	599	217	118	26
2014	626	116	626	116	48	13
2015	943	259	943	259	108	49
2016	1266	337	1,266	337	67	25
2017	217	46	217	46	52	33
2018	958	61	748	50	184	39

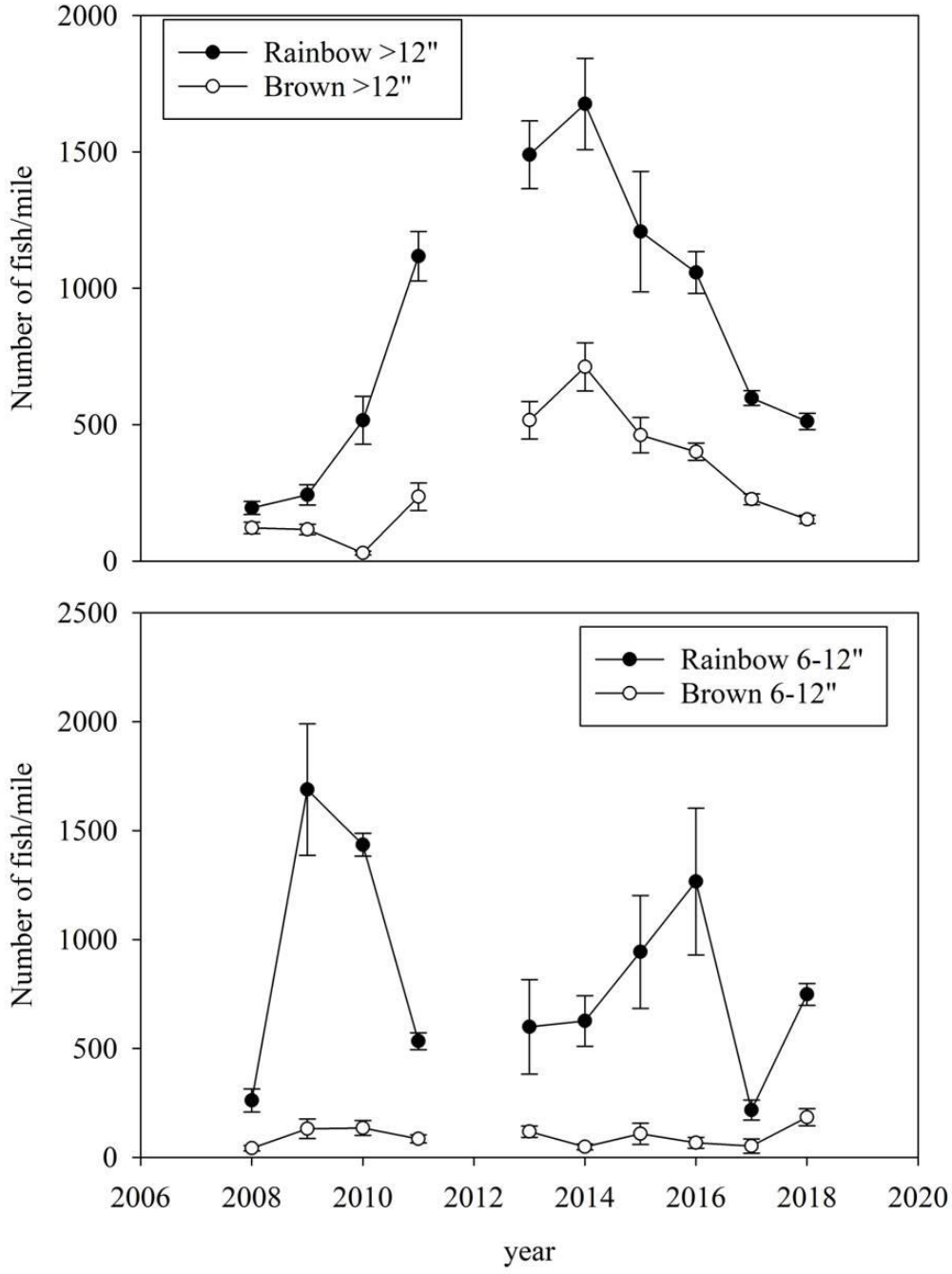

Figure CY1. Abundance estimates and standard errors for RBT and BNT ≥ 12 in and 6-12 in TL by year for the Wedding of the Waters study section of the Bighorn River.

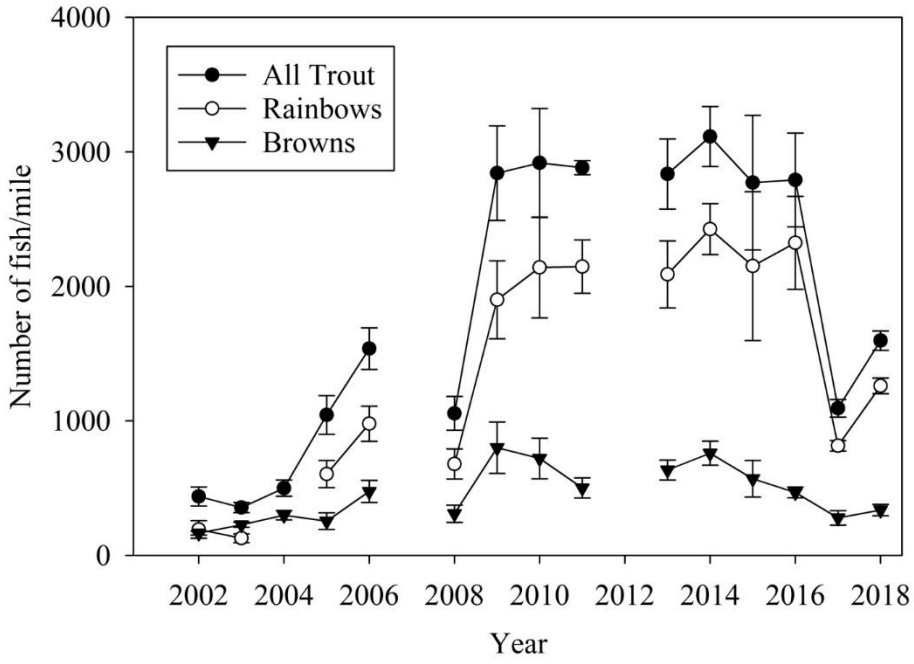

Figure CY2. Abundance estimates and standard errors for TRT, RBT, and BNT ≥ 6 in TL by year for the Wedding of the Waters study section of the Bighorn River.

Table CY3. October 2018. Population and biomass estimates in the Bighorn River, Wedding of Waters section.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
RBT	≥6.0;≤11.9	840	9.5	748 ± 50	0.48	340 ± 115
RBT	≥12.0;≤17.9	189	15.7	132 ± 15	1.72	222 ± 27
RBT	≥18.00	530	19.2	380 ± 26	2.77	1052 ± 253
BNT	≥6.0;≤11.9	146	6.9	184 ± 39	0.14	26 ± 6
BNT	≥12.0;≤17.9	34	16.2	22 ± 5	1.89	40 ± 8
BNT	≥18.00	194	19.6	131 ± 14	2.84	370 ± 33
TRT	≥6.0;≤11.9	1021	9.2	958 ± 61	0.44	398 ± 128
TRT	≥12.0;≤17.9	229	15.7	160 ± 16	1.73	272 ± 31
TRT	≥18.00	725	19.3	514 ± 30	2.78	1432 ± 292

Table CY4. October 2017. Population and biomass estimates in the Bighorn River, Wedding of Waters section.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
RBT	≥6.0;≤11.9	204	10.3	217 ± 46	0.47	102 ± 15
RBT	≥12.0;≤17.9	655	16.8	306 ± 18	1.81	555 ± 62
RBT	≥18.00	574	18.9	292 ± 20	2.24	656 ± 73
BNT	≥6.0;≤11.9	34	9.5	52 ± 33	0.38	19 ± 8
BNT	≥12.0;≤17.9	151	16.1	88 ± 13	1.66	147 ± 19
BNT	≥18.00	261	19.7	139 ± 15	2.76	384 ± 30
TRT	≥6.0;≤11.9	254	10.2	301 ± 61	0.46	138 ± 20
TRT	≥12.0;≤17.9	814	16.7	392 ± 21	1.78	699 ± 76
TRT	≥18.00	838	19.1	433 ± 24	2.41	1042 ± 97

Table CY5. October 2016. Population and biomass estimates in the Bighorn River, Wedding of Waters section.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
RBT	≥6.0;≤11.9	414	8.4	1,266 ± 337	0.30	371 ± 67
RBT	≥12.0;≤17.9	637	16.1	605 ± 62	1.64	1000 ± 360
RBT	≥18.00	549	18.9	453 ± 45	2.35	1054 ± 104
BNT	≥6.0;≤11.9	62	8.5	67 ± 25	0.34	19 ± 7
BNT	≥12.0;≤17.9	179	15.7	143 ± 24	1.66	226 ± 30
BNT	≥18.00	456	19.8	258 ± 20	2.83	732 ± 126
TRT	≥6.0;≤11.9	492	8.4	1,239 ± 271	0.31	366 ± 57
TRT	≥12.0;≤17.9	829	16.0	758 ± 66	1.64	1244 ± 381
TRT	≥18.00	1017	19.3	691 ± 42	2.58	1778 ± 308

Table CY6. October 2015. Population and biomass estimates in the Bighorn River, Wedding of Waters section.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
RBT	≥6.0;≤11.9	361	7.8	943 ± 259	0.27	228 ± 107
RBT	≥12.0;≤17.9	441	16.8	901 ± 199	1.77	1594 ± 273
RBT	≥18.00	312	18.8	307 ± 96	2.30	713 ± 164
BNT	≥6.0;≤11.9	70	7.4	108 ± 49	0.18	18 ± 5
BNT	≥12.0;≤17.9	186	16.7	160 ± 30	1.85	300 ± 45
BNT	≥18.00	266	19.5	302 ± 57	2.70	818 ± 91
TRT	≥6.0;≤11.9	444	7.8	1,077 ± 255	0.27	256 ± 106
TRT	≥12.0;≤17.9	644	16.7	933 ± 137	1.79	1677 ± 220
TRT	≥18.00	584	19.2	762 ± 108	2.47	1895 ± 206

Table CY7. October 2014. Population and biomass estimates in the Bighorn River, Wedding of Waters section.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
RBT	≥6.0;≤11.9	391	9.5	626 ± 116	0.41	251 ± 31
RBT	≥12.0;≤17.9	885	16.2	1,178 ± 129	1.62	1895 ± 167
RBT	≥18.00	304	18.9	498 ± 106	2.22	1112 ± 178
BNT	≥6.0;≤11.9	64	8.1	48 ± 13	0.32	13 ± 2
BNT	≥12.0;≤17.9	379	16.1	494 ± 82	2.74	1368 ± 3865
BNT	≥18.00	261	19.5	218 ± 32	2.49	551 ± 56
SRC	≥6.0;≤11.9	20	10.3	15 ± 7	0.42	6 ± 4
SRC	≥12.0;≤17.9	28	15.8	39 ± 24	1.61	55 ± 129

Table CY8. October 2013. Population and biomass estimates in the Bighorn River, Wedding of Waters section.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
RBT	≥6.0;≤11.9	217	8.3	599 ± 217	0.32	167 ± 34
RBT	≥12.0;≤17.9	994	14.9	1,145 ± 113	1.28	1489 ± 106
RBT	≥18.00	355	19.0	345 ± 51	2.36	812 ± 95
BNT	≥6.0;≤11.9	137	10.6	118 ± 26	0.48	55 ± 10
BNT	≥12.0;≤17.9	355	14.7	396 ± 64	1.25	489 ± 44
BNT	≥18.00	147	19.7	121 ± 25	2.85	346 ± 45
SRC	≥6.0;≤11.9	36	9.6	53 ± 34	0.32	16 ± 33
SRC	≥12.0;≤17.9	70	14.9	51 ± 13	1.26	61 ± 9
SRC	≥18.00	19	20.0	8 ± 2	2.79	23 ± 8

October 2012. No estimate completed.

Table CY9. October 2011. Population and biomass estimates in the Bighorn River, Wedding of Waters section.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
BNT	≥18.00	50	19.4	72 ± 38	2.96	222 ± 278
BNT	≥12.0;≤17.9	180	14.7	164 ± 33	1.38	223 ± 33
BNT	≥6.0;≤11.9	118	9.3	85 ± 18	0.45	33 ± 6
RBT	≥18.00	243	19.1	260 ± 51	2.59	660 ± 95
RBT	≥12.0;≤17.9	947	15.1	858 ± 76	1.43	1216 ± 89
RBT	≥6.0;≤11.9	533	8.1	875 ± 152	0.28	236 ± 46

Table CY10. October 2010. Population and biomass estimates in the Bighorn River, Wedding of Waters section.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
BNT	≥0			135 ± 34		27 ± 4
BNT	≥12.00			30 ± 7		77 ± 7
RBT	≥6.0;≤11.9	625	8.1	1,435 ± 265	0.26	374 ± 41
RBT	≥12.0;≤17.9	357	14.6	349 ± 54	1.30	455 ± 45
RBT	≥18.00	102	19.4	167 ± 69	3.09	515 ± 118

Table CY11. October 2009. Population and biomass estimates in the Bighorn River, Wedding of Waters section.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
RBT	≥6.0;≤11.9	771	7.6	1,688 ± 302	0.21	355 ± 57
RBT	≥12.0;≤17.9	150	15.7	127 ± 26	1.67	212 ± 24
RBT	≥18.00	141	19.3	116 ± 26	2.92	339 ± 49
BNT	≥6.0;≤11.9	105	8.7	131 ± 45	0.34	45 ± 10
BNT	≥12.0;≤17.9	92	15.1	64 ± 15	1.78	113 ± 17
BNT	≥18.00	82	19.5	52 ± 12	3.21	168 ± 24

Table CY12. October 2008. Population and biomass estimates in the Bighorn River, Wedding of Waters section.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
RBT	≥6.0;≤11.9	241	7.8	261 ± 53	0.27	71 ± 10
RBT	≥12.0;≤17.9	213	15.6	109 ± 13	1.60	174 ± 14
RBT	≥18.00	111	19.0	86 ± 20	2.61	224 ± 41
BNT	≥6.0;≤11.9	60	10.7	42 ± 12	0.56	23 ± 5
BNT	≥12.0;≤17.9	132	15.5	95 ± 19	1.82	173 ± 27
BNT	≥18.00	47	19.2	27 ± 8	2.79	76 ± 14

Green River Region

Green River – Fontenelle Dam Section

Objective: Provide angling opportunities (as determined by minimum population estimates) for TRT ≥6 inches at 250 fish/mile for reaches above the Big Sandy confluence.

The Green River below Fontenelle Reservoir is both a wild fishery and a stocked fishery. The BNT population in the river is maintained through wild recruitment. The RBT and CUT populations are maintained through Department stocking. This reach is generally monitored in April every two years, but has not been sampled since March of 2014.

During the past ten years, population estimates were attempted on the Dam reach of the Green River in 2010, 2011 and 2014. Unfortunately, population estimates could only be calculated in 2010 (Table GR1). Inclement weather and equipment problems prevented the calculation of estimates in 2014. Recapture rates were too low in 2011 to allow calculation of abundance estimates. Therefore, only data collected on the first electrofishing pass in the reach each year can be used to look at relative abundance trends during the past five years. The 2010 trout abundance estimate of fish larger than 6 in (454/mi) was well above objective (250/mi) for this portion of the Green River.

A total of 529 trout were collected from the reach in 2014, as opposed to 304 in 2011 and 328 in 2010 (Table GR2). Increased total catch is attributed to appreciable increases in RBT. Of the 529 TRT collected in 2014, 402 were RBT. RBT catch rates have consistently increased over the past three sampling events, having increased by a factor of 4.5 since 2010.

Cutthroat trout are consistently rare in this section of river despite consistent stocking (Table GR2). Cutthroat trout perform reasonably further downstream and are sought after by anglers.

Table GR1. April 2010. Population and biomass estimates for trout ≥6 inches. Estimates are presented for the Dam section in 2010. Sampling was conducted in April. The coefficient of variation for each estimate is in parenthesis.

Date	Species	No/mile		Lbs/mile		Lbs/Acre	
4/10	BNT	328	(11%)	466	(5%)	18	(5%)
	RBT	119	(13%)	277	(8%)	10	(8%)
	All Trout	454	(9%)	776	(6%)	29	(6%)

Table GR2. Number, mean length, length range, mean weight, and mean W_r of fish sampled from a single electrofishing pass on the Green River Dam-CCC reach for years 2010, 2011, and 2014. No weights were recorded for BBT in 2010.

			Length (in)		Weight (lbs)		
Date	Species	Number	Mean	Range	Mean	Range	Mean W_r
3/26/2014	BBT	2	18.0	13.5-22.5	1.63	0.92-2.33	110
	BNT	114	16.5	5.5-24.1	1.74	0.13-6.08	93
	BRC	5	17.3	16.0-18.9	1.97	1.46-2.78	95
	RBT	402	15.6	3.7-23.0	1.63	0.06-3.28	103
	SRC	8	16.8	14.8-19.6	1.91	0.06-3.28	91
4/3/2011	BBT	4	17.9	16.4-20.1	1.25	0.64-2.29	77
	BNT	170	11.1	3.6-26.3	2.1	0.11-5.68	97
	BRC	3	13.7	13.1-14.1	1.0	0.79-1.07	95
	RBT	128	14.2	4.1-24.2	2.6	1.09-6.98	104
	SRC	3	17.9	17.5-18.2	2.4	2.14-3.28	98
4/8/2010	BBT	8	11.8	10.4-13.9			
	BNT	234	13.9	4.7-27.8	1.40	0.07-9.9	92
	BRC	1	19.8		1.99		65
	RBT	89	15.8	5.2-23.1	2.20	0.07-4.78	99
	SRC	4	16.8	12.9-18.4	1.73	0.68-2.19	80

Jackson Region

Snake River – Between Jackson Lake and Palisades Reservoir

Angling by commercial outfitters is regulated by a variety of agencies on all sections of the Snake River between Jackson Lake and Palisades Reservoir. Guides within Grand Teton National Park are regulated by the National Park Service. Guides that take out or put in at Wilson Bridge or South Park are regulated by Teton County. Guides on the Bridger-Teton National Forest are regulated by the US Forest Service.

Salt River – Downstream of Etna Lane

Objective: Maintain population of 600 SRC/mi and 300 BNT/mi in the Etna Lane section of the Salt River. This 3.0 mi long reach is generally monitored every three years. Estimates were not completed in 2018. Four estimates were conducted in this reach of the Salt River during the past 10 years. The trout population was estimated at 961/mi in 2006, 1289/mi in 2007, 810/mi in 2008, 1296/mi in 2012 and 462/mi in 2015 (Tables JN1-JN5). Populations of SRC and BNT appear to have fallen well below objectives in 2015. The next h

Table JN1. Population estimates for SRC and BNT in the Etna Lane stretch of the Salt River in 2006.

Species	Length (in)	Fish/mi	S.E.	C.V. (%)	Estimate Quality
SRC	6.0-10.9	549	50.41	9.18	Excellent
SRC	11.0-16.0	76	16.17	21.18	Acceptable
SRC	>16.0	NA			
SRC	>6.0	625	52.94	8.47	
BNT	6.0-10.9	220	46.15	21.01	Acceptable
BNT	11.0-16.0	14	4.15	29.62	Very poor
BNT	>16.0	102	65.35	63.70	Very poor
BNT	>6.0	336	80.11	23.80	

Table JN2. Population estimates for SRC and BNT in the Etna Lane stretch of the Salt River in 2007.

Species	Length (in)	Fish/mi	S.E.	C.V. (%)	Estimate Quality
SRC	6.0-10.9	489	108.0	22.09	Poor
SRC	11.0-16.0	128	23.14	18.11	Very good
SRC	>16.0	NA			
SRC	>6.0	617	110.45	17.91	
BNT	6.0-10.9	217	55.45	25.52	Poor
BNT	11.0-16.0	81	23.69	29.36	Acceptable to Very poor
BNT	>16.0	374	353.32	94.58	Very poor
BNT	>6.0	672	358.43	53.38	

Table JN3. Population estimates for SRC and BNT in the Etna Lane stretch of the Salt River in 2008.

Species	Length (in)	Fish/mi	S.E.	C.V. (%)	Estimate Quality
SRC	6.0-10.9	642	153.14	23.84	Poor
SRC	11.0-16.0	68	12.04	17.58	Very good
SRC	>16.0	NA			
SRC	>6.0	710	153.61	21.61	
BNT	6.0-10.9	58	17.82	30.74	Very poor
BNT	11.0-16.0	34	13.62	39.78	Very poor
BNT	>16.0	8			
BNT	>6.0	100	22.43	23.63	

Table JN4. Population estimates for SRC and BNT in the Etna Lane stretch of the Salt River in 2012.

Species	Length (in)	Fish/mi	S.E.	C.V. (%)	Estimate Quality
SRC	6.0-10.9	815	54.15	6.63	Excellent
SRC	11.0-16.0	184	29.38	16.14	Very good
SRC	>16.0	14	3.48	37.67	Very poor
SRC	>6.0	1013	61.37	6.06	
BNT	6.0-10.9	168	18.07	10.72	Very good
BNT	11.0-16.0	49	20.51	41.43	Very poor
BNT	>16.0	66	33.00	49.93	Very poor
BNT	>6.0	283	42.58	15.05	

Table JN5. Population and biomass estimates for SRC and BNT in the Etna Lane stretch of the Salt River in 2015.

Species	Length (in)	Fish/mi	S.E.	Lbs/mi	SE
SRC	6.0-10.9	262	18	54	4
SRC	11.0-16.0	90	6	66	4
SRC	>16.0	7	5	11	6
SRC	>6.0	359		131	
BNT	6.0-10.9	41	4	7	1
BNT	11.0-16.0	29	7	25	3
BNT	>16.0	33	11	56	12
BNT	>6.0	103		88	

Salt River: Downstream of AG Lane

Objective: Maintain > 200 SRC/mi (≥ 5.0 in) and > 500 BNT/mi (≥ 5.0 in) in the AG Lane section of the Salt River.

This reach is generally monitored every three years. Population estimates since 1995 are plotted for SRC in Figure JN1 and BNT in Figure JN2.

Abundance estimates for both species are consistently well above objective in this reach of the Salt River.

An estimate was completed in 2018. The estimate will be included in the progress report on the 2018 progress report in spring 2019. The next estimate is scheduled for 2021.

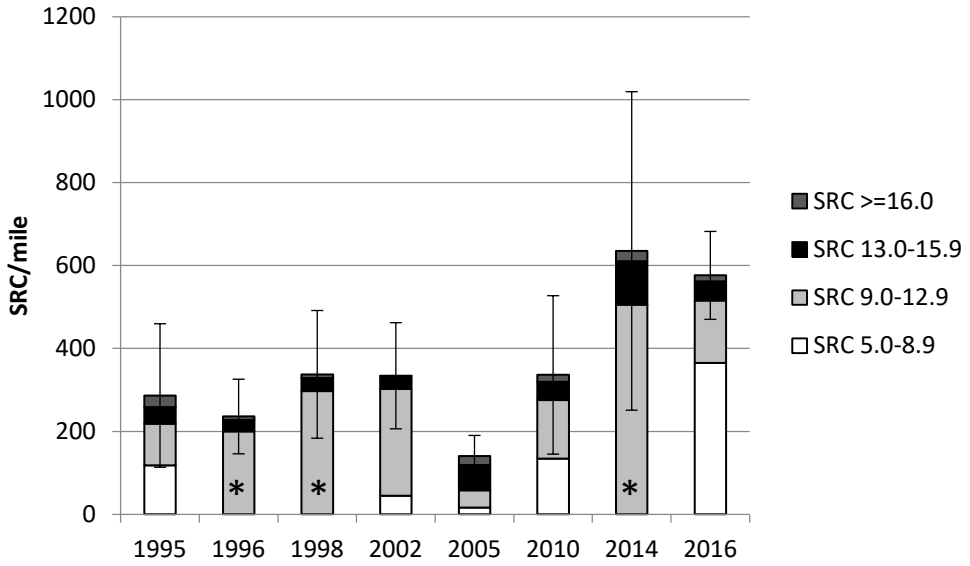

Figure JN1. Salt River – AG Lane. SRC population estimates. Asterisk indicates that size classes were combined in order to generate an estimate.

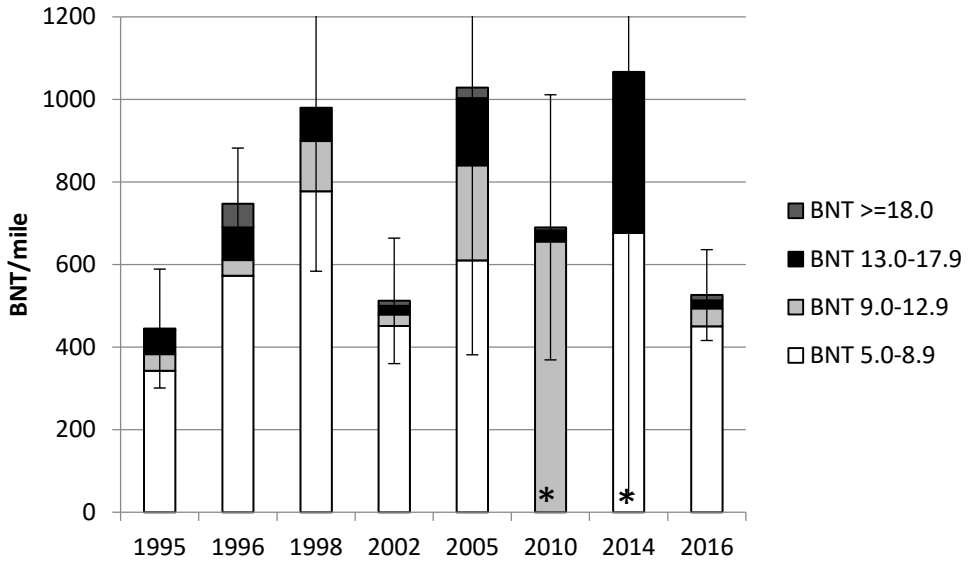

Figure JN2. Salt River – AG Lane. BNT population estimates. Asterisk indicates that size classes were combined in order to generate an estimate.

Salt River – Narrows

Objective: Maintain population of 500 SRC/mi and 500 BNT/mi in the Narrows section of the Salt River.

This reach (between the Hwy 89 bridge and the East Side Diversion access area) is generally monitored every three years.

The SRC population has been trending upward since 2002 and has remained above the objective of 500/mi.

The BNT population declined from a high (approximately 1,500 BNT/mi) in 2009 to abundance very near objective in 2014 (Figure JN3).

An estimate was completed in 2018. The estimate will be included in the progress report on the 2018 work schedule in spring 2019. The next estimate is scheduled for 2021.

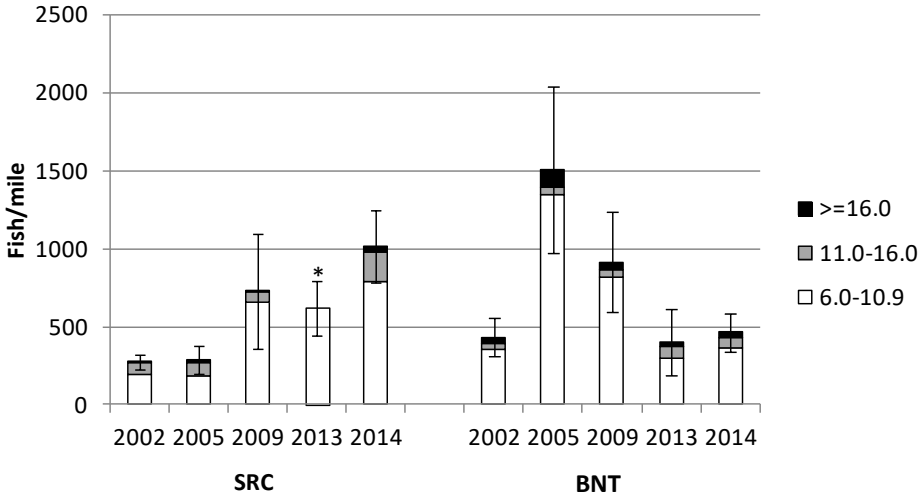

Figure JN3. Salt River – Narrows Section. Per mile estimates for SRC and BNT from 2002 to 2014. Error bars depict SE. Asterisk in 2013 indicates a lack of sufficient recaptures for SRC size class estimates.

Laramie Region

North Platte River – Treasure Island

Objective: Maintain wild trout populations on the North Platte River (Saratoga to Colorado) and Encampment River (Section 1) ≥ 600 pounds per mile.

The Treasure Island reach is monitored every four to five years. Only two estimates have been conducted in the past 10 years; 2008 and 2014. Although biomass estimates have been well above objective, the 2014 estimate was lower than the estimate from 2008 (Tables LE1 and LE2). The most recent population estimate was completed in July 2018 and will be included in the progress report on the 2018 work schedule in spring 2019.

Table LE1. July 2014. Population and biomass estimates for the North Platte River at Treasure Island.

Species	Size group (in.)	#/Mile	lbs/Mile
All TRT	≥ 6.0	1,946 (11.75%)	1,626 (6.75%)
All TRT	6.0 to 9.9 inches	628 (20.6%)	121 (16.77%)
All TRT	10.0 to 15.9 inches	965(167%)	911(88%)
All TRT	≥ 16.0 inches	339 (27.57%)	578 (18.19%)
BNT	≥ 6.0	1,243 (13.31%)	1,010 (7.01%)
BNT	6.0 to 9.9 inches	513(23.76%)	99 (18.61%)
BNT	10.0 to 15.9 inches	477 (17.86%)	449 (12.26%)
BNT	≥ 16.0 inches	268 (34.7%)	463 (21.99%)
RBT	≥ 6 inches	729 (24.02%)	646 (11%)
RBT	10.0 15.9 inches	665 (38.73%)	629 (21.92 %)

Table LE2. July 2008. Population and biomass estimates for the North Platte River at Treasure Island.

Species	Size group (in.)	#/Mile	lbs/Mile
All TRT	≥ 6.0	2,924 (12.55%)	1,878 (5.75%)
All TRT	6.0 to 9.9 inches	1,947 (21.27%)	369 (13.45%)
All TRT	10.0 to 15.9 inches	999 (18.12%)	910(10.28%)
All TRT	≥ 16.0 inches	208 (37.25%)	387 (20.59%)
BNT	≥ 6.0	1,857 (14.03%)	1,117 (5.75%)
BNT	6.0 to 9.9 inches	1,255 (21.04%)	247 (13.51%)
BNT	10.0 to 15.9 inches	562 (21.59%)	494 (12.26%)
BNT	≥ 16.0 inches	104 (35.53%)	203 (19.12%)
RBT	≥ 6 inches	1,155 (27.44%)	854 (11.96%)
RBT	10.0 to 15.9 inches	435 (27.86%)	406 (15.50 %)

Pinedale Region

Green River Monitoring Reaches from Upstream to Downstream:

Green River – Kendall Bridge Section

Objective: Maintain an adult trout (≥ 6.0 in) population of 1500 fish/mile in the Kendall Bridge reach of the Green River.

Population estimates are conducted on this 1.2 mile reach of the Green River between Kendall Bridge and the Whiskey Grove Campground approximately every three to five years. The most recent estimate was conducted in 2014 and was the highest observed since 1995 (Figure PE1). Details of estimates conducted within the most recent ten years are presented in Tables PE1-PE3. An estimate was also conducted in 2018 and will be available in the annual progress report in winter 2019.

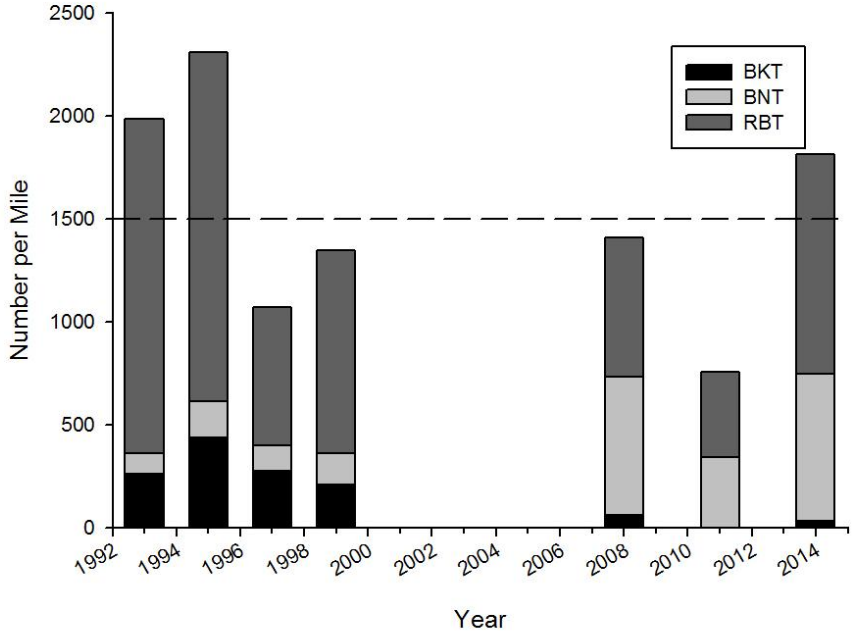

Figure PE1. Population estimates of BNT, RBT, and BKT obtained between 1993 and 2014 within a 1.2-mile reach of the Green River from Kendall Bridge to Whiskey Grove Campground.

Table PE1. Population estimates for trout, by species and size category, in a 1.2-mile reach of the Green River between Kendall Bridge and Whiskey Grove campground, 2014.

Species	Size	No./mile (SE)	Lbs/acre (SE)
BNT	6.0-9.9 in	353 (160)	6.0 (2.7)
	10.0-15.9 in	248 (127)	17.8 (9.2)
	> 16.0 in	113 (97.3)	20.5 (17.6)
	> 6.0 in	714 (227)	44.4 (20.1)
RBT	6.0-9.9 in	962 (915)	14.7 (14)
	10.0-15.9 in	87 (41)	4.8 (2.3)
	> 16.0 in	15 (6.3)	2.3 (0.9)
	> 6.0 in	1,063 (916)	21.8 (14.1)
BKT/LAT	> 6.0 in	35 (15)	1.1 (0.5)
TRT	> 6.0 in	1,813 (943)	67.4 (25)

Table PE2. Population estimates for trout, by species and size category, in a 1.2-mile reach of the Green River between Kendall Bridge and Whiskey Grove campground, 2011.

Species	Size	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	211 (74)	3.6 (0.8)
	10.0-15.9 in	100 (27)	6.5 (0.8)
	> 16.0 in	33 (12)	7.2 (1.7)
	> 6.0 in	343 (80)	17.3 (2.1)
RBT	6.0-9.9 in	261 (115)	
	10.0-15.9 in	15*	
	> 16.0 in	2*	
	> 6.0 in	413 (187)	10.0 (2.8)
BKT/LAT	> 6.0 in	1	
TRT	> 6.0 in	757 (204)	27.3 (3.5)

* Equals the total number caught rather than an actual abundance estimate.

Table PE3. Population estimates for trout, by species and size category, in a 1.2-mile reach of the Green River from Kendall Bridge to the Whiskey Grove campground, 2008.

Species	Size	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	243 (52.6)	3.5 (0.6)
	10.0-15.9 in	242 (94.6)	19.7 (4.5)
	> 16.0 in	187 (117.1)	34.8 (10.3)
	> 6.0 in	671 (159.5)	58.0 (11.2)
RBT	6.0-9.9 in	417 (122.1)	6.2 (1.1)
	10.0-15.9 in	331 (303.4)	17.9 (7.3)
	> 16.0 in	0 (0.0)	0 (0.0)
	> 6.0 in	676 (193.2)	19.0 (2.3)
BKT	> 6.0 in	63 (18.8)	1.4 (0.2)
TRT	> 6.0 in	1,409 (251.2)	78.4 (11.4)

Green River – Warren Bridge Section

Objective: Maintain an adult (> 6 in.) trout population of 600 fish/mile within the Warren Bridge Access Area.

Estimates are typically conducted on this 1.7 mile reach of the Green River every three to five years. Although variable, the most recent three abundance estimates (2010, 2012, and 2015) were well above the management objective of 600 fish/mi (Figure PE2). Details of estimates conducted within the most recent ten years are presented in Tables PE4-PE6.

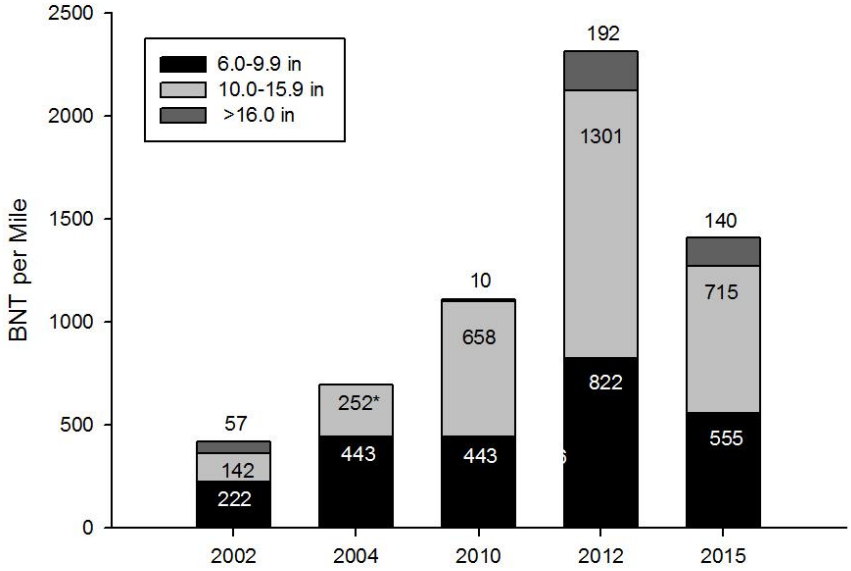

Figure PE2. Estimates of BNT per mile obtained from 2002 to 2015 within a 1.2-mile reach of the Green River between Warren Bridge Access site 4 and 6.

Table PE4. Population estimates for BNT, by size category, in a 1.2-mile reach of the Green River between Warren Bridge Access Area 4 and 6, 2015.

Species	Size	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	555 (78)	4.0 (0.6)
	10.0-15.9 in	715 (133)	27.3 (5.1)
	> 16.0 in	140 (29)	12.1 (2.5)
	> 6.0 in	1,410 (157)	43.3 (5.7)

Table PE5. Population estimates (S.E.) for BNT, by size category, in a 1.7-mile reach of the Green River within Warren Bridge Access Area sites 4-6, 2012.

Species	Size (in)	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9	605 (145)	4.6 (1.1)
	10.0-15.9	956 (220)	35.4 (8.1)
	> 16.0	141 (33)	13.0 (3.0)
	> 6.0	1,702 (265)	53 (8.7)

Table PE6. Population estimates for brown trout, by species and size category, in a 1.7-mile reach of the Green River within Warren Bridge Access Area sites 4-6, 2010.

Species	Size	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	326 (111)	2.4 (0.5)
	10.0-15.9 in	484 (13)	16.0 (2.2)
	> 16.0 in	8 (1.1)	0.5 (0.1)
	> 6.0 in	818 (177)	18.9 (2.3)

Green River – Forty-Rod (Brown's reach)

Objective: Maintain an adult trout (≥ 6.0 in) population of 600/mile in the 40-Rod Reach of the Green River.

Estimates are also typically conducted on this 4.5 mile section of the Green River every three to five years. The reach extends from the Forty-Rod Public Access Area to the Forty-Rod Creek confluence and has an average width of 103 ft. The trout population in this reach of the Green River is typically dominated by BNT with RBT present in lower numbers. Population estimates from 2000 to 2015 are presented in Figure PE3. Details of estimates conducted within the most recent ten years are presented in Tables PE7-PE10.

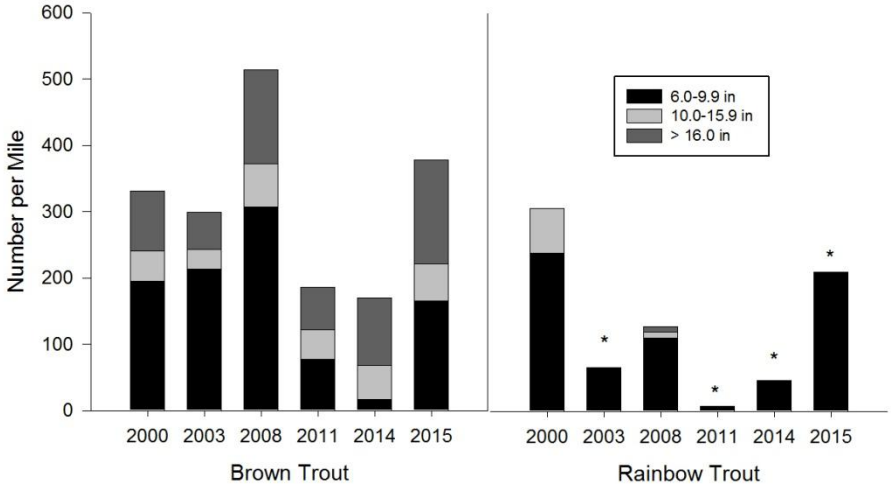

Figure PE3. Estimates of BNT and RBT by size category obtained between 2000 and 2015 within a 3.5-mile reach of the Green River from the Forty-Rod Access to the confluence with Forty-Rod Creek. Asterisk (*) indicates all RBT > 6.0 inches.

Table PE7. Population estimates for trout, by species and size category, in a 3.5-mile reach of the Green River between the Forty-Rod Access Area and Forty-Rod Creek, 2015.

Species	Size	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	166 (40)	3.0 (0.7)
	10.0-15.9 in	55 (14)	4.5 (1.1)
	> 16.0 in	157 (33)	28.6 (6.1)
	> 6.0 in	377 (54)	36.1 (6.3)
RBT	> 6.0 in	210 (139)	17.1 (11)
TRT	> 6.0 in	587 (149)	53.2 (13)

Table PE8. Population estimates for trout, by species and size category, in a 4.5-mile reach of the Green River between the Forty-Rod Access Area and Forty-Rod Creek, 2014.

Species	Size	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	13 (5.7)	0.4 (0.2)
	10.0-15.9 in	40 (17.1)	3.3(1.4)
	> 16.0 in	80 (21.5)	13.4 (3.6)
	> 6.0 in	133 (28.1)	17.1 (3.9)
RBT	> 6.0 in	36 (21.8)	4.9 (3.0)
TRT	> 6.0 in	168 (35.3)	22.0 (4.9)

Table PE9. Population estimates for trout, by species and size category, in a 4.5-mile reach of the Green River between the Forty-Rod Access Area and Forty-Rod Creek, 2011.

Species	Size	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	60 (53.9)	0.8 (0.4)
	10.0-15.9 in	35 (29.6)	2.8 (2.4)
	> 16.0 in	50 (19.0)	10.2 (2.0)
	> 6.0 in	145 (64.3)	13.8 (3.1)
RBT*	> 6.0 in	62	0.7
TRT	> 6.0 in	207 (72.3)	14.5 (3.1)

*Calculated using the difference in TRT and BNT.

Table PE10. Population estimates for trout, by species and size category, in a 4.5-mile reach of the Green River from the Forty-Rod Access to the Forty-Rod Creek confluence, 2008.

Species	Size	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	239 (100.1)	4.9 (2.9)
	10.0-15.9 in	51 (15.2)	4.1 (0.3)
	> 16.0 in	110 (22.6)	19.3 (2.0)
	> 6.0 in	400 (103.7)	28.3 (3.6)
RBT	6.0-9.9 in	86 (78.2)	1.7 (1.0)
	10.0-15.9 in	8 (5.5)	0.6 (0.3)
	> 16.0 in	6 (2.1)	1.2 (0.4)
	> 6.0 in	99 (78.4)	3.5 (1.1)
TRT	> 6.0 in	499 (130.0)	31.8 (3.8)

Green River – Huston to Sommer

Objective: Maintain an adult population of 600 TRT/mile within the Huston's – Sommers' reach of the Green River.

This section is typically surveyed every three to five years. The 4.8 mi reach of the Green River extends from the Huston's Public access to the Sommers' Bridge access. The trout fishery is dominated by BNT with few RBT and SRC present.

Trout abundance in this reach of the Green River declined from 2010 to 2017 (Figure PE4) and is typically lower than in upper reaches of the Green River.

Details of population estimates conducted in 2017, 2013, and 2010 are presented in Tables PE11, PE12, and PE13, respectively. The BNT population in 2017 of 311/mi (Table PE11) was similar to the most recent estimate of 377 BNT/mi found in the Forty-Rod reach in 2015 (Table PE7).

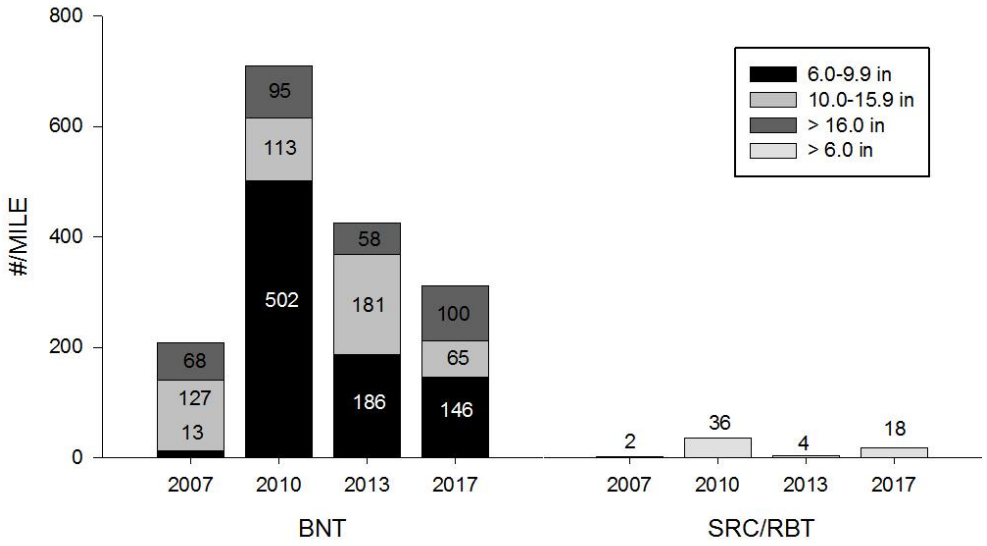

Figure PE4. Estimates of BNT and SRC/RBT by size category obtained from 2007 to 2017 within a 4.5-mile reach of the Green River from the Huston's Access Area to Sommers' Bridge.

Table PE11. Number sampled, mean length (in), number per mi with standard error, mean weight (lbs), and pounds per mi with standard error from UNSPECIFIED estimate for fish captured in a 4.5-mile reach of the Green River between the Huston's Public Access and Sommers' Bridge, 2017.

Species	Size Group	Number	Mean Len	Mean Wt	Lbs/mi ± SE	
BNT	6.0-9.9	175	8.6	146 ± 30	0.25	NA
BNT	10.0-15.9	177	13.6	65 ± 6	0.97	62 ± 4
BNT	≥16.0	257	18.5	100 ± 8	2.35	231 ± 13
RBT	≥6.0	24	15.2	16 ± 7	1.40	22 ± 10
SRC	≥6.0	5	14.9	2 ± 1	1.16	2 ± 2

Table PE12. Population estimates for trout, by species and size category, in a 4.5-mile reach of the Green River between the Huston's Public Access and Sommers' Bridge, 2013.

Species	Size	Number/mile (SE)	Lbs/acre (SE)
BNT	6.0-9.9 in	186 (30.1)	8.0 (1.3)
	10.0-15.9 in	181 (10.5)	23.8 (1.4)
	> 16.0 in	58 (4.7)	19.3 (1.6)
	> 6.0 in	426 (33.0)	51.0 (2.5)
RBT	> 6.0 in	4 (0.6)	0.7 (0.1)
TRT	> 6.0 in	430 (33.0)	51.7 (2.5)

*includes BNT, SRC, and RBT.

Table PE13. Population estimates for trout, by species and size category, in a 4.8-mile reach of the Green River between the Huston's Public Access and Sommers' Bridge, 2010.

Species	Size	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	502 (94.3)	17.9 (2.5)
	10.0-15.9 in	113 (9.1)	16.0 (1.1)
	> 16.0 in	95 (4.8)	29.0 (1.4)
	> 6.0 in	710 (94.9)	62.9 (3.1)
TRT	6.0-9.9 in	594 (112)	21.2 (3.0)
	10.0-15.9 in	120 (9.8)	17.1 (1.2)
	> 16.0 in	114 7.4)	34.7 (1.8)
	>6.0 in	828 (113)	73.0 (3.64)

*includes BNT, SRC, and RBT.

Green River – 5-Mile Bridge

Objective: Maintain an adult trout population of 600 fish per mile within the 5-Mile Bridge reach of the Green River.

This reach of the Green River is typically monitored every three to five years, but inclement caused the last two estimates to be cancelled. Abundance estimates have not been conducted since 2011. The 3.14 mile reach extends from 5-Mile Bridge downstream to the Dry Piney Access Area and has an average width of 152 ft. Abundance trends from 2000 to 2011 are presented in Figure PE5. Details of the most recent estimate are presented in Table PE14.

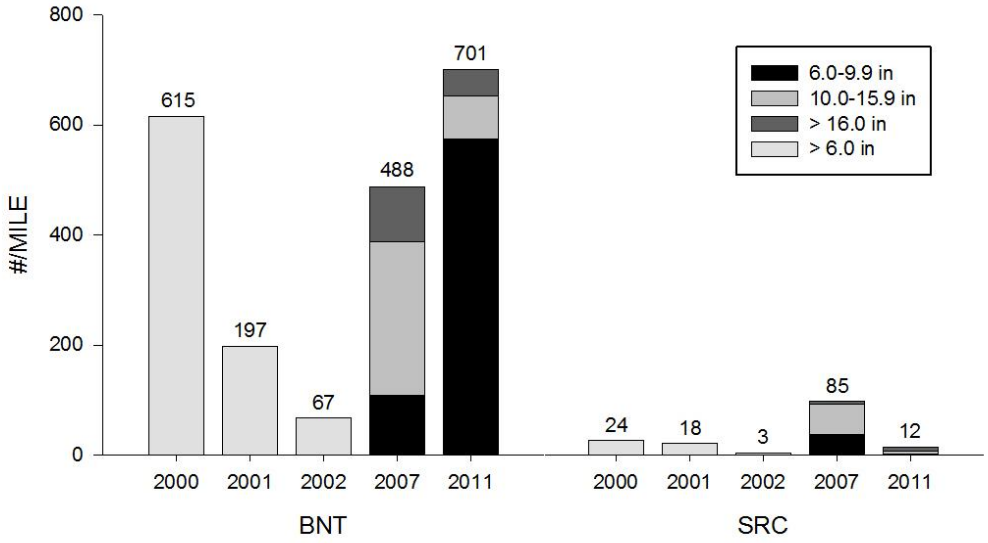

Figure PE5. Estimates of BNT and SRC by size category obtained between 2000 and 2011 on a 3.14-mile reach of the Green River from 5-Mile Bridge downstream to the Dry Piney Access Area.

Table PE14. Population estimates for trout, by species and size category, in a 3.14-mile reach of the Green River between 5-Mile Bridge and the Dry Piney Access Area, 2011.

Species	Size	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	574 (169)	7.8 (1.5)
	10.0-15.9 in	78 (14)	3.5 (0.4)
	> 16.0 in	49 (8)	5.8 (0.5)
	> 6.0 in	701 (170)	17.1 (1.7)
SRC	> 6.0 in	12 (2.3)	0.9 (0.2)
RBT	> 6.0 in	8 (1.8)	0.7 (0.1)
TRT	> 6.0 in	720 (170)	18.7 (1.7)

Green River – Delaney Canyon

Objective: Maintain an adult (> 6 in) trout population of 200 fish/mile within the Delaney Canyon reach of the Green River

The Delaney Canyon monitoring reach of the Green River is below the confluence of LaBarge Creek and extends for 3.7 miles directly upstream of the Delaney Canyon Bridge. Estimates are typically conducted on this reach of the Green River every three to five years. The most recent estimates on this reach were conducted in 2009 and 2012. Results are presented in Figure PE6 and Tables PE15 and PE16.

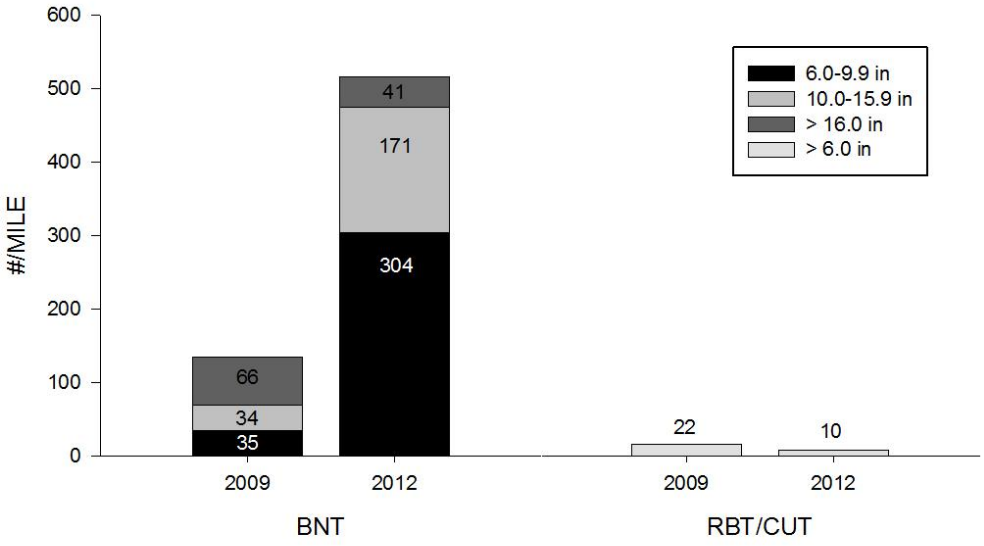

Figure PE6. Estimates of BNT and RBT/CUT by size category for 2009 and 2012.

Table PE15. Population estimates for trout, by species and size category, in a 3.7-mile reach of the Green River between the LaBarge Creek confluence and the Delaney Canyon Road, 2012.

Species	Size (in)	No./mile (s.e)	Lbs/acre (s.e.)
BNT	6.0-9.9	304 (59)	4.7 (0.9)
	10.0-15.9	171 (18)	6.4 (0.7)
	> 16.0	41 (8)	4.9 (1.0)
	> 6.0	516 (62)	16.0 (1.5)
CUT	> 6.0	1 (0.1)	0.1 (0.1)
RBT	> 6.0	9 (3.7)	1.2 (0.5)
TRT	> 6.0	527 (63)	17.3 (1.6)

Table PE16. Population estimates for trout, by species and size category, in a 3.7-mile reach of the Green River directly upstream of the Delaney Canyon bridge, 2009.

Species	Size	No./mile (s.e.)	Lbs/acre (s.e.)
BNT	6.0-9.9 in	35 (12.9)	0.6 (0.2)
	10.0-15.9 in	34 (5.3)	1.4 (0.1)
	> 16.0 in	66 (11.2)	8.2 (0.8)
	> 6.0 in	135 (17.9)	10.2 (0.8)
SRC	10.0-15.9 in	13 (2.4)	0.6 (0.1)
	> 16.0 in	9 (1.4)	1.0 (0.1)
TRT*	> 6.0 in	167 (19.7)	12.2 (0.8)

*TRT estimate was run separately and included BNT, SRC, and RBT.

New Fork River Monitoring Reaches from Upstream to Downstream:

<u>New Fork River – Pine Creek</u>

Objective: Maintain a BNT population of at least 1,300 BNT/mile ≥6 inches in the New Fork River Pine Creek section.

A new electrofishing station was established between the confluence of Pine Creek and Mocroft's bridge (12T 594310E 4740558N NAD83) in 2015. This new station will be surveyed every three to five years. Trout in the reach averaged 15.0 in and BNT as large as 25.5 in were sampled (Table PE17). The BNT population estimate was 1,515/mi and the total trout population estimate was 2,605 trout/mi (Table PE18).

Table PE17. Number, mean length in inches (n;sd) with ranges, mean weight in pounds (n;sd) and mean relative weight (Wr) of fish captured by RF in the New Fork River at the Pine Creek confluence from September 29 to October 1, 2015.

Species	Number	Mean Length (n, sd)	Range	Mean Weight (n, sd)	Mean Wr
BNT	1,142	14.8 (1142, 4.9)	6.0 - 25.5	1.3 (790, 1)	84
RBT	251	16.6 (251, 3.7)	7.4 - 23.5	1.8 (158, 1.1)	89
SRC	9	17.3 (9, 2.6)	13.0 - 19.6	1.9 (5, 0.8)	72
TGT	1	20.6 (1,-)	20.6	2.9 (1,-)	NA
Total	1,403				

Table PE18. Population estimate collected in two miles of stream at elevation 7,075 feet in New Fork River at the Pine Creek confluence.

Species	Size Group	Number	Mean	Number/mi ±	Mean Weight	Pounds/mi ±
BNT	≥6.0	992	14.8	1515±214	1.3	1719±179
RBT	≥6.0	203	16.6	213±40	1.8	338±38
SRC	≥6.00	6	17.5	3 ± 0	1.89	5 ± 1
TGT	≥6.00	1	20.6	NA	2.88	NA
TRT	≥6.0	1728	15.1	2605±311	1.39	2449±224

New Fork River – Mocrofts

Objective: Maintain a BNT population of at least 1,300 BNT/mile ≥6 inches in the Mocroft-Maytag section.

Trout abundance was estimated at the standardized monitoring station on the Mocroft Ranch in 2009, 2012 and 2017 (Tables PE19-PE21). The station is typically surveyed every three to five years. The most recent BNT population estimate in 2017 was more than 4x the average estimate of the previous six estimates (Table PE22).

Table PE19. Number, mean length (n; SD) with ranges, mean weight (n; SD) and mean relative weight (Wr) of fish captured by RF in the New Fork River at the Mocroft Ranch in 2017.

Species	Number	Mean Length	Range	Mean Weight	Mean Wr
BKT	1	9.6 (1;-)	9.6 - 9.6	0.4 (1;-)	70
BNT	918	12.9 (918, 5.3)	6.0 - 24.0	1.1 (903, 1.1)	91
KOE	2	17.8 (2, 3.1)	15.6 - 20.0	2.2 (2, 1.1)	94
RBT	88	15.0 (88, 4.7)	8.0 - 22.6	1.7 (86, 1.3)	99
SRC	2	16.8 (2, 3.2)	14.5 - 19.0	1.8 (2, 1.4)	78
Total	1011				

Table PE20. Population estimate collected for fish captured in the New Fork River on the Mocroft Ranch in 2012.

Species	Number	Length	Weight	Number/mile	Lbs/acre
BKT≥6.0	2	9.0	0.32	-	-
BNT	605	7.9	0.21	958	27.2
BNT	274	12.5	0.76	322	34.5
BNT	242	18.1	2.02	223	62.9
BNT	70	21.0	2.98	76	31.6
Total of	1,191	11.8	0.88	1,579	156.2
RBT	89	11.1	0.6	110	9.1
RBT	56	19.0	2.56	48	17.2
Total of	145	14.1	1.36	158	26.3
SRC≥6.0	21	17.3	1.91	10	2.7

Table PE21. Population estimated collected for fish captured in the New Fork River on the Mocroft Ranch in September 2009.

Species	Number	Length	Weight	Number/mile	Pounds/acre
BNT	226	14.1	1.25	1,151	200.1
BNT	108	20.4	2.90	272	109.9
Total of	334	16.1	1.79	1,423	310.0
KOE≥6 in	1	18.2	2.09	-	-
RBT≥6 in	25	16.2	1.72	~37	~10
SRC≥6 in	3	17.8	2.18	-	-

Table PE22. Population trends of BNT and RBT in the New Fork River at the Mocroft Ranch from 1990 to 2017.

Species	Year	Average Length	Number Per Mile	Pounds Per Acre
BNT	1990	11.3	1,229	123.6
	1992	12.5	1,777	190.7
	1996	12.9	1,826	136.9
	2003	13.1	973	143.5
	2012	11.8	1,579	156.2
RBT	1990	12.0	360	20.5
	1992	14.7	305	26.0
	1996	15.0	209	16.5
	2003	15.5	~71	~16.3
	2012	14.1	158	26.3

New Fork River – Airport

Objective: Maintain a BNT population of at least 650 BNT/mile ≥6 inches in the New Fork River Airport Section.

Three estimates have been conducted in the Airport section of the New Fork River (NAD27 CONUS 12T 598064E 598064N) in the past ten years; 2010, 2014, and 2016 (Table PE23). This station is typically surveyed every three to five years. The 2016 BNT estimate of 800/mile exceeded the objective for this reach of river and was the second highest on record since 1999 (Table PE23). Details of estimates conducted from 2010-2016 are presented in Tables PE24-PE27.

Table PE23. Population trends of TRT≥6 inches in the New Fork River near the airport from 1999 to 2014. Values marked with an asterisk could not be calculated, due to an insufficient number of recaptures. Number per mile includes standard error.

Year	Species	Average Length	Number/Mile	Pounds/Acre
1999	BNT	9.9	853 (101)	48.5
2002	BNT	11.7	507 (31)	51.5
2007	BNT	12.2	556 (48)	53.4
2010	BNT	12.1	858 (134)	58.1
2014	BNT	12.3	959 (154)	71.3
1999	RBT	10.9	118 (68)	9.5

2002	RBT	13.0	16 (-)	2.1
2007	RBT	15.7	*	*
2010	RBT	13.6	29 (-)	4.6
2014	RBT	13.2	*	*
1999	SRC	13.4	*	*
2002	SRC	16.8	2 (-)	0.2
2007	SRC	18.2	*	*
2010	SRC	16.5	4 (-)	0.8
2014	SRC	17.0	*	*

Table PE24. Population estimate collected for fish species captured in the in New Fork River, Airport station, during September, 2016.

Species	Size Category	Number	Number/mile	Mean	Pounds/mile
BNT	6.0-9.9	368	643 ± 79	0.17	110 ± 12
BNT	10.0-15.9	120	113 ± 13	0.65	74 ± 5
BNT	16.0-19.9	124	126 ± 16	1.92	241 ± 22
BNT	≥20.00	22	17 ± 3	2.98	50 ± 7
TRT	≥6.0;≤9.9	372	656 ± 81	0.17	113 ± 13
TRT	≥10.0;≤15.9	131	128 ± 14	0.67	87 ± 6
TRT	≥16.0;≤19.9	139	144 ± 18	1.95	280 ± 26
TRT	≥20.00	23	18 ± 3	2.99	53 ± 7

Table PE25. Number of each species handled, mean length (n; SD) with ranges, mean weight (n; SD) and mean relative weight (Wr) of fish captured by RF in the New Fork River at the airport sampling station in September 2016.

Species	Number	Mean Length	Range	Mean Weight	Mean Wr
BNT	634	11.0 (634, 4.6)	6.0 - 23.3	0.7 (625, 0.8)	88
RBT	31	15.5 (31, 3.5)	8.7 - 20.1	1.5 (30, 0.9)	89
Total	665				

Table PE26. Population estimate collected for fish captured at the New Fork River airport station in September 2014.

Species and Size	Number	Length	Weight (Range)	#/mile	lb/mile
BNT 6-9.9	207	7.8	0.18	603	111.5
BNT 10.0-15.9	96	13.5	0.93	179	166.4
BNT ≥16.0	140	18.0	2.04	177	361.3
All BNT≥6	443	12.3	0.93	959	639.1
All BKT≥6.0	5	10.0	0.39	*	*
RBT≥6.0	41	13.2	1.17	*	*
SRC≥6	1	17.0	1.87	*	*
All trout≥6	933	12.3	0.95	1,106	762.5

Table PE27. Population estimate collected for fish captured in the New Fork River Airport Station in August 2010.

Species	Number	Length	Weight (Range)	#/mile	lb/mile
BNT 6-9.9 in	243	7.5	0.20	644	134.7
BNT 10.0-15.9 in	51	12.7	0.83	72	59.7
BNT 16.0-19.9 in	134	18.2	2.09	118	246.4
BNT >=15.0 in	171	18.6	2.28	153	338.5
BNT >=20.0 in	31	21.2	3.27	24	79.9
All BNT>=6 in	459	12.1	1.02	858	520.8
RBT >=6.0 in	23	13.6	1.22	29	41.7
SRC>=6 in	8	16.5	1.62	4	7.4
TRT>=6 in	490	12.2	1.04	893	553.2

New Fork River – Below Boulder Creek

Objective: Maintain a BNT population of at least 200 BNT/mile ≥6 inches below the Pole Creek confluence.

A new, 3.0 mi long monitoring station was established on the New Fork River immediately below the confluence with Boulder Creek in September 2013. The station will likely be surveyed about every 5 years. Results from the 2013 estimate are presented in Tables PE28 and PE29.

Table PE28. Population estimate collected in September 2013 from TRT longer than 6 inches total length in the New Fork River below the Boulder Creek confluence.

Species and Size	Number Captured	Length (Range)	Weight (Range)	Number/mile (SE)	Lbs/acre (SE)
BNT 6.0-15.9	105	12.0 (6.4-15.9)	0.72 (0.08-1.55)	128 (33.0)	7.2 (0.9)
BNT ≥16.0	71	21.0 (20.0-24.3)	2.06 (1.23-4.30)	53 (11.0)	8.4 (0.9)
Total of BNT≥6	176	14.5 (6.4-24.3)	1.26 (0.08-4.30)	181	15.6
RBT≥6	10	12.7 (8.1-17.2)	0.90 (0.29-2.13)	≥3	-
SRC≥6.0	3	17.2 (15.5-18.6)	2.11 (0.29-2.13)	≥1	-

Table PE29. BNT population estimates (only fish ≥6") and average lengths (inches) from electrofishing stations on the New Fork River. Locations are listed from upstream to downstream.

Location	Year	Average Length (range)	Population Estimate (number/mile)
Mocroft/BTW Ranches	2012	11.8 (6.0-24.3)	1,579
Airport	2010	12.1(6.0-24.8)	858
Below Boulder Creek	2013	14.5 (6.4-24.3)	181
East Fork Confluence	2008	13.7 (6.3-26.7)	247
USGS Guage	2011	12.3 (6.9-22.0)	153

New Fork – East Fork Confluence

Objective: Maintain a BNT population of at least 200 BNT/mile ≥6 inches below the Pole Creek confluence.

The East Fork Confluence monitoring station on the New Fork River is located downstream of the East Fork/New Fork confluence boat ramp. This station is typically surveyed every three to five years. Results of the most recent estimates (2006, 2008, and 2015) are summarized in Table PE30. The BNT population in this reach has routinely exceeded objective. The most recent estimate in 2015 exceeded estimates in 2006 and 2008. Details of the 2015 estimate are found in Tables PE31 and PE32.

Table PE30. Population estimates (number per mile) and average length (in) of sport fish captured in the New Fork River (elevation 6,900) below the confluence with the East Fork River from 2006 to 2015.

Species	Number / Mile CV%			Average Length Range		
	2006	2008	2015	2006	2008	2015
BNT	305 7.2	247 17.6	352 15.3	10.0 6.0-25.2	13.7 6.3-26.7	11.4 6.0-23.7
RBT	~9 -	1 0.08	2 0	13.4 8.9-20.1	14.6 10.7-20.5	15.0 10.4-21.0
SRC	~1 -	~29 -	* -	13.2 13.0-13.4	16.4 14.3-18.0	19.6 19.6-19.6
KOE	~7 -	~68 -	* -	19.8 18.2-21.4	17.2 15.0-20.5	18.0 17.7-18.2

Table PE31. Number, mean length in inches (n; sd) with ranges, mean weight in pounds (n; sd) and mean relative weight (Wr) of game fish captured by RF in the New Fork River below the East Fork River from September 3-8, 2015.

Species	Number	Mean Length (n, sd)	Range	Mean Weight (n, sd)	Mean Wr
BBT	16	19.0 (16, 3)	11.2 - 23.3	1.4 (16, 0.5)	72
BNT	402	11.5 (402, 4.8)	6.0 - 23.7	0.8 (353, 0.9)	104
KOE	2	18.0 (2, 0.4)	17.7 - 18.2	2.3 (2, 0)	105
RBT	8	15.0 (8, 2.9)	10.4 - 21.0	1.3 (5, 0.9)	93
SRC	1	19.6	19.6 - 19.6	2.1	64
Total	429				

Table PE32. Population estimate for fish captured in 4.2 miles of stream at elevation 6,900 feet in New Fork River below the East Fork River from September 3-8, 2015.

Species	Size Group	Number	Mean Length	Number/mi ± SE	Mean Weight	Pounds/mi ± SE
BNT	≥6.0	368	11.4	352 ± 54	0.80	282 ± 18
BNT	≥6.0;≤7.9	118	7.1	128 ± 40	0.17	22 ± 7
BNT	≥8.0;≤15.9	160	10.5	208 ± 63	0.52	109 ± 16
BNT	≥6.0;≤15.9	278	9.1	337 ± 73	0.37	126 ± 14
BNT	≥16.0	90	18.4	54 ± 11	2.12	114 ± 12
RBT	≥6.0	6	15.0	2 ± 0	1.30	2 ± 1

TRT	≥6.0	375	11.4	347 ± 52	0.81	282 ± 18
TRT	≥6.0;≤7.8	113	7.1	116 ± 36	0.17	20 ± 6
TRT	≥8.0;≤15.9	165	10.6	185 ± 49	0.53	100 ± 13
TRT	≥8.0;≤15.9	165	10.6	185 ± 49	0.53	100 ± 13
TRT	≥16.0	92	18.5	56 ± 12	2.13	120 ± 12

New Fork River – Remmick Access

Objective: Maintain a BNT population of at least 200 BNT/mile ≥6 inches below the Pole Creek confluence.

This new monitoring reach was surveyed for the first time in 2018. Trout population estimates will be included in the progress report on the 2018 work schedule in winter 2019.