



Idaho Fixed Broadband Report Update: December 2019 Data

February 2021

Summary

This addendum provides a revised set of data tables that show the current state of broadband deployment in the state of Idaho. This addendum is an update to the full [Idaho Broadband Report](#)¹ that was published in 2019 based on publically available FCC 477 data from the December 2017 reporting period. The analysis in this addendum is based on the most recent publicly available data on fixed broadband deployment (December 2019 Form 477 data) from the Federal Communications Commission (FCC) and on 2019 census block-level estimates of population and housing units provided by the FCC and derived from publicly available U.S. Census Bureau data.² For this report, we adopt the FCC's current speed benchmark for advanced telecommunications capability—25 Mbps downstream and 3 Mbps upstream or higher—to define fixed broadband service.³ The FCC is in the process of establishing a new data collection framework and recently published a Third Report and Order⁴ in the proceeding which establishes new Digital Opportunity Data Collection standards and rules intended to enable fixed and mobile broadband availability data at a more granular and precise level than has been possible via the old Form 477 model. While the FCC has published the new framework, the new data collection process has not yet begun and all analysis in this addendum is based on the Form 477 data sets.⁵ Under the current Form 477 data collection, all broadband providers including wireline, fixed wireless, and satellite are required to file a Form 477 with the FCC on a semiannual basis. Each provider of fixed broadband service (e.g., wired, fixed wireless, and satellite) has been required to report, at the census-block level, whether consumer and/or business services are offered as well as the maximum available data rates (downstream and upstream) offered for each broadband technology type deployed.⁶ The following section provides revised data tables based on the FCC 477 December 2019 data and are intended to replace the corresponding ones in the original Idaho Broadband Report.

¹ CableLabs, Idaho Fixed Broadband Report (Summer 2019), <https://www.cablelabs.com/insights/idaho-fixed-broadband-report#fn-2>.

² FCC, Fixed Broadband Deployment Data from FCC Form 477, <https://www.fcc.gov/general/broadband-deployment-data-fcc-form-477> (last visited July 22, 2019). The FCC also generates and makes public annual population and housing unit estimates at the census-block level based on public data from the U.S. Census Bureau. FCC, Staff Block Estimates, <https://www.fcc.gov/staff-block-estimates> (2019 update).

³ 2019 Broadband Deployment Report, Inquiry Concerning Deployment of Advanced Telecommunications Capability to All Americans in a Reasonable and Timely Fashion, GN Docket No. 18-238, FCC 19-44, paras. 12-15 (rel. May 29, 2019) (maintaining 25 Mbps download and 3 Mbps upload as the current speed benchmark for broadband service).

⁴ In the Matter of Establishing the Digital Opportunity Data Collection and Modernizing the FCC Form 477 Data Program, FCC, Third Report and Order (released Jan. 19, 2021), FCC 21-20, available at <https://docs.fcc.gov/public/attachments/FCC-21-20A1.pdf>.

⁵ Timing of the Collection, FCC, Digital Opportunity Data Collection (Jan. 21, 2021), <https://www.fcc.gov/digital-opportunity-data-collection>.

⁶ For purposes of this report, CableLabs adopts the FCC's definition of "fixed" broadband service, which includes wired, satellite, and fixed wireless technologies. See FCC, Fixed Broadband Deployment: "How Should I Format My Fixed Broadband Deployment Data?", https://transition.fcc.gov/form477/FBD/formatting_fbd.pdf.

Revised Tables – December 2019 Data Update

Table 1: Idaho Fixed Broadband Availability as of December 2019. Replaces Table 1 in Idaho Broadband Report.

Technology Types	Population	% Population	Housing Units	% Housing Units
All Fixed (fixed terrestrial wireless, satellite, and wired)	1,723,921	100%	751,036	100%
Fixed Terrestrial (fixed wireless and wired)	1,703,656	95.342%	701,970	93.467%
Wired Only (DSL, cable, fiber)	1,422,380	79.601%	586,027	78.029%

Table 2: Idaho Max Available Downstream Speeds with Fixed Broadband (All Technology Types). Replaces Table 2 in Idaho Broadband Report.

Max Available Downstream Speed (Mbps)	Population	% Population	Housing Units	% Housing Units
Unserved	0	0%	0	0%
<10	0	0%	0	0%
10-25	0	0%	0	0%
25-50	217,488	12.17%	99,954	13.31%
50-100	91,851	5.14%	36,429	4.85%
100-250	152,378	8.53%	77,265	10.29%
250-500	826	0.05%	431	0.06%
500-940	3,340	0.19%	1,493	0.20%
≥940	1,321,004	73.93%	535,464	71.30%

Table 3: Intermountain West: Fixed Terrestrial Broadband Availability by State. Replaces Table 3 in Idaho Broadband Report.

State	% Population	% Housing Units
Idaho	95.342%	93.467%
Montana	86.711%	84.983%
Nevada	97.143%	96.894%
Utah	95.228%	94.682%
Wyoming	90.828%	92.743%

Table 4. Intermountain West: Max Available Downstream Speeds with Fixed Terrestrial Broadband. Replaces Table 4 in Idaho Broadband Report.

Max Available Downstream Speed (Mbps)	% Housing Units				
	Idaho	Montana	Nevada	Utah	Wyoming
Unserved	2.34%	4.34%	0.97%	2.95%	4.66%
<10	0.59%	2.68%	0.97%	0.94%	1.15%
10-25	2.76%	5.59%	1.03%	1.22%	2.82%
25-50	13.10%	13.12%	0.58%	1.68%	1.84%
50-100	5.37%	5.92%	0.87%	2.47%	10.15%
100-250	4.29%	4.77%	1.41%	3.61%	9.27%

250-500	0.06%	0.32%	0.22%	1.77%	6.99%
500-940	0.20%	0.35%	0.45%	4.63%	0.01%
≥940	71.30%	62.92%	93.50%	80.74%	63.09%

Table 5: Idaho Counties by Percentage of Housing Units with Fixed Terrestrial Broadband Availability for 2017 and 2019.

	County Name	2019			2017		% Difference
		Fixed Terrestrial Availability (% Units)	Total Housing Units	Housing Density (per mi ²)	Fixed Terrestrial Availability (% Units)	Total Housing Units	
1	Canyon	100%	79,961	80,041	92%	76,091	+8%
2	Bonner	100%	25,322	25,360	99%	25,121	+1%
3	Minidoka	100%	8,482	8,504	64%	8,195	+36%
4	Jerome	100%	8,640	8,663	65%	8521	+35%
5	Ada	99%	190,899	192,610	98%	180708	+1%
6	Twin Falls	98%	33,661	34,198	84%	33248	+14%
7	Boundary	98%	5,500	5,591	94%	5467	+4%
8	Bonneville	98%	43,723	44,558	90%	42804	+8%
9	Kootenai	98%	73,210	74,621	98%	70752	0%
10	Bingham	98%	16,662	17,001	75%	16739	+23%
11	Gooding	98%	6,147	6,290	57%	6193	+41%
12	Gem	97%	7,311	7,507	84%	7347	+13%
13	Cassia	97%	8,657	8,924	75%	8752	+22%
14	Madison	96%	14,780	15,357	71%	14108	+25%
15	Payette	95%	9,145	9,620	87%	9422	+8%
16	Bannock	95%	32,943	34,850	91%	34233	+4%
17	Franklin	93%	4,614	4,946	57%	4829	+40%
18	Teton	93%	5,737	6,172	86%	5781	+7%
19	Jefferson	93%	9,075	9,764	63%	9362	+30%

20	Power	92%	2,793	3,043	80%	3008	+12%
21	Blaine	91%	14,219	15,597	81%	15428	+10%
22	Camas	89%	782	875	0%	854	+89%
23	Lincoln	89%	1,794	2,016	36%	2000	+53%
24	Washington	88%	4,130	4,689	72%	4656	+16%
25	Nez Perce	86%	15,489	18,004	84%	17817	+2%
26	Oneida	84%	1,705	2,019	81%	1994	+3%
27	Fremont	84%	7,718	9,186	28%	8976	+56%
28	Clark	81%	458	562	83%	554	-2%
29	Caribou	81%	2,696	3,333	70%	3287	+11%
30	Latah	79%	13,702	17,364	78%	16862	+1%
31	Owyhee	77%	3,865	4,994	43%	4905	+34%
32	Custer	75%	2,359	3,161	56%	3133	+19%
33	Elmore	74%	9,318	12,577	73%	12505	+1%
34	Benewah	71%	3,421	4,790	24%	4728	+47%
35	Shoshone	70%	5,050	7,164	55%	7127	+15%
36	Valley	70%	8,878	12,709	69%	12329	+1%
37	Butte	66%	913	1,381	47%	1380	+19%
38	Idaho	63%	5,532	8,783	0.9%	8765	+62%
39	Boise	62%	3,525	5,697	21%	5534	+41%
40	Bear Lake	58%	2,450	4,203	77%	4108	-19%
41	Adams	54%	1,468	2,705	32%	2684	+22%
42	Lemhi	54%	2,679	4,948	36%	4877	+18%
43	Clearwater	43%	2,014	4,668	0%	4617	+43%
44	Lewis	27%	543	1,991	22%	1929	+5%