

**Seattle Public Schools
Drinking Water Quality Program**

**Results of Water Quality Testing
for
WHITWORTH ELEMENTARY SCHOOL**

Updated September 1st, 2019

General Information:

Plumbing piping materials: mainly copper

Remediation plan:

This remediation plan is based on a Water Quality policy approved by the School Board. The policy includes standards for the presence of lead, cadmium, copper, iron and other substances in drinking water.

Sinks (S in the report) are not considered drinking water sources. We recognize that there is the potential for students to want to drink from classroom hand-washing sinks, so we test all of those. Where a student's choice to drink from a sink could be a problem, we post a reminder sign, as we do at all restroom sinks.

Status:

Policy Criteria:

All sources meet the policy.

Follow-up monitoring: Will be performed in 2021-2022.

Service: The school will be flushed after any breaks longer than five days.

Water Quality Testing Results:**Legend**

Symbol	Definition
SE	service entry (main)
B	bubbler
S	sink (faucet)
B/S	sink/bubbler combination
S/B	sink/bubbler combination
ppb	parts per billion
ppm	parts per million
NA	not applicable
None	no action required
Unk	unknown status or action
Sample	sample needs to be taken
Re-test	fixture needs to be resampled
Conf	resample to confirm measurement
No flush	not flushed before sampling
Sink	sampled faucet of S/B combo
Used	recently used; no 1st draw sample possible
PS	post sign
Disable(d)	fixture disabled in response to water quality testing
BDSS	Bubbler disabled, sign on sink
IF	install filter
RB	replace bubbler
RB/IF	replace bubbler and/or install filter
RF	replace faucet
RF/IF	replace faucet and/or install filter
BW	disable fixture and provide bottled water until remediated
Leaks	leaking fixture
NW	not working properly (sample S when B of S/B NW)
OS	out of service - disabled until fixed
RS	return to service - now passes testing
Rem	Removed from system - no longer exists

Table 1. Summary of Results

FIXTURE INFORMATION			LEAD		CADMIUM		COPPER		IRON		OK?
Fixture ID	Type	Location	Pass/Fail	Status	Pass/Fail	Status	Pass/Fail	Status	Pass/Fail	Status	Yes/No/Status
01	B	hallway - outside gym,	P	None	P	None	P	None	P	None	Yes
01A	BF	hallway - outside gym, bottle filler	P	None	P	None	P	None			Yes
03	B	hallway - outside room # 101	P	None	P	None	P	None	P	None	Yes
04	B	hallway, 1st floor	P	None	P	None	P	None	P	None	Yes
05	S/B	room # 104	P	None	P	None	P	None	P	None	Yes
06	S/B	room # 105	P	None	P	None	P	None	P	None	Yes
07	B	staff work room	P	None	P	None	P	None	P	None	Yes
08	S	staff work room, lounge	P	None	P	None	P	None	P	None	Yes
09	S/B	room # 201	P	None	P	None	P	None	P	None	Yes
10	S/B	room # 203	P	None	P	None	P	None	P	None	Yes
11	B	2nd floor hallway	P	None	P	None	P	None	P	None	Yes
12	S/B	room # 205	P	None	P	None	P	None	P	None	Yes
13	S/B	room # 204	P	None	P	None	P	None	P	None	Yes
14	S/B	room # 207	P	None	P	None	P	None	P	None	Yes
15	S/B	room # 206	P	None	P	None	P	None	P	None	Yes
16	S/B	room # 209	P	None	P	None	P	None	P	None	Yes
17	S/B	room # 208	P	None	P	None	P	None	P	None	Yes
18	S/B	room # 211	P	None	P	None	P	None	P	None	Yes
19	S/B	room # 210	P	None	P	None	P	None	P	None	Yes
20	S/B	room # 311	P	None	P	None	P	None	P	None	Yes
21	S/B	room # 310	P	None	P	None	P	None	P	None	Yes
22	S/B	room # 309	P	None	P	None	P	None	P	None	Yes
23	S/B	room # 308	P	None	P	None	P	None	P	None	Yes
24	S/B	room # 307	P	None	P	None	P	None	P	None	Yes
25	S/B	room # 306	P	None	P	None	P	None	P	None	Yes
26	S/B	room # 304	P	None	P	None	P	None	P	None	Yes
27	B	3rd floor hallway	P	None	P	None	P	None	P	None	Yes
28	S/B	room # 305	P	None	P	None	P	None	P	None	Yes
31	S/B	room # 303	P	None	P	None	P	None	P	None	Yes
32	S/B	room # 301	P	None	P	None	P	None	P	None	Yes
33	S/B	LCR	P	None	P	None	P	None	P	None	Yes
35	S	kitchen	P	None	P	None	P	None	P	None	Yes
36	S/B	room # 103	P	None	P	None	P	None	P	None	Yes
37	B/S	nurses office - 2nd floor	P	None	P	None	P	None	P	None	Yes
38	S	room 207A	P	None	P	None	P	None	P	None	Yes
41	S	Kitchen	P	None	P	None	P	None	P	None	Yes
42	S	Kitchen	P	None	P	None	P	None	P	None	Yes
43	S	Handicap classroom	P	None	P	None	P	None	P	None	Yes
44	S	Handicap classroom	P	None	P	None	P	None	P	None	Yes

Table 2. Lead Test Results

FIXTURE INFORMATION			2/27/2009			4/20/2012			6/17/2015			8/15/2019			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	B	hallway - outside gym,	<1	<1	P	2	<1	P	2	<1	P	<1	<1	P	P	None
01A	BF	hallway - outside gym, bottle filler				<1	<1	P	<1	<1	P	<1	<1	P	P	None
03	B	hallway - outside room # 101	<1	<1	P	<1	<1	P	2	<1	P	<1	<1	P	P	None
04	B	hallway, 1st floor	<1	<1	P	<1	<1	P	<1	<1	P	1	<1	P	P	None
05	S/B	room # 104	<1	<1	P	<1	<1	P	5	2	P	<1	<1	P	P	None
06	S/B	room # 105	<1	<1	P	2	<1	P	<1	<1	P	<1	<1	P	P	None
07	B	staff work room	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
08	S	staff work room, lounge	<1	<1	P	<1	<1	P	2	<1	P	<1	<1	P	P	None
09	S/B	room # 201	1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
10	S/B	room # 203	2	<1	P	1	<1	P	<1	<1	P	<1	<1	P	P	None
11	B	2nd floor hallway	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
12	S/B	room # 205	2	1	P	2	<1	P	1	<1	P	2	1	P	P	None
13	S/B	room # 204	3	<1	P	2	<1	P	<1	<1	P	1	<1	P	P	None
14	S/B	room # 207	<1	<1	P	3	<1	P	<1	<1	P	<1	<1	P	P	None
15	S/B	room # 206	1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
16	S/B	room # 209	1	<1	P	1	<1	P	<1	<1	P	<1	<1	P	P	None
17	S/B	room # 208	1	<1	P	1	<1	P	<1	<1	P	<1	<1	P	P	None
18	S/B	room # 211	1	<1	P	<1	<1	P	<1	<1	P	1	<1	P	P	None
19	S/B	room # 210	1	<1	P	1	<1	P	<1	<1	P	2	<1	P	P	None
20	S/B	room # 311	2	<1	P	2	<1	P	<1	<1	P	<1	<1	P	P	None
21	S/B	room # 310	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
22	S/B	room # 309	2	<1	P	2	<1	P	<1	<1	P	<1	<1	P	P	None
23	S/B	room # 308	2	1	P	1	<1	P	<1	<1	P	<1	<1	P	P	None
24	S/B	room # 307	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
25	S/B	room # 306	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
26	S/B	room # 304	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
27	B	3rd floor hallway	<1	<1	P	1	<1	P	<1	<1	P	2	<1	P	P	None
28	S/B	room # 305	<1	1	P	1	<1	P	<1	<1	P	<1	<1	P	P	None
31	S/B	room # 303	<1	2	P	1	<1	P	<1	<1	P	<1	<1	P	P	None
32	S/B	room # 301	<1	<1	P	1	<1	P	<1	<1	P	<1	<1	P	P	None
33	S/B	LCR	<1	<1	P	<1	2	P	1	<1	P	<1	<1	P	P	None
35	S	kitchen	<1	<1	P	<1	<1	P	3	<1	P	1	<1	P	P	None
36	S/B	room # 103	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
37	B/S	nurses office - 2nd floor	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
38	S	room 207A	3	<1	P	<1	<1	P	6	2	P	6	2	P	P	None
41	S	Kitchen	1	<1	P	2	<1	P	<1	<1	P	<1	<1	P	P	None
42	S	Kitchen	<1	<1	P	3	<1	P	<1	<1	P	<1	<1	P	P	None
43	S	Handicap classroom	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
44	S	Handicap classroom	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None

Table 3. Cadmium Test Results

FIXTURE INFORMATION			2/27/2009			4/20/2012			6/17/2015			8/15/2019			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	B	hallway - outside gym,	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
01A	BF	hallway - outside gym, bottle filler				<1	<1	P	<1	<1	P	<1	<1	P	P	None
03	B	hallway - outside room # 101	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
04	B	hallway, 1st floor	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
05	S/B	room # 104	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
06	S/B	room # 105	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
07	B	staff work room	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
08	S	staff work room, lounge	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
09	S/B	room # 201	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
10	S/B	room # 203	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
11	B	2nd floor hallway	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
12	S/B	room # 205	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
13	S/B	room # 204	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
14	S/B	room # 207	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
15	S/B	room # 206	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
16	S/B	room # 209	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
17	S/B	room # 208	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
18	S/B	room # 211	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
19	S/B	room # 210	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
20	S/B	room # 311	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
21	S/B	room # 310	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
22	S/B	room # 309	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
23	S/B	room # 308	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
24	S/B	room # 307	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
25	S/B	room # 306	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
26	S/B	room # 304	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
27	B	3rd floor hallway	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
28	S/B	room # 305	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
31	S/B	room # 303	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
32	S/B	room # 301	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
33	S/B	LCR	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
35	S	kitchen	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
36	S/B	room # 103	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
37	B/S	nurses office - 2nd floor	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
38	S	room 207A	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
41	S	Kitchen	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
42	S	Kitchen	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None
43	S	Handicap classroom	<1	<1	P	<1	<1	P	<1	<1	P	<1	<1	P	P	None

Table 4. Copper Test Results

FIXTURE INFORMATION			2/27/2009			4/20/2012			6/17/2015			8/15/2019			Summary Status	
Fixture ID	Type	Location	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	1st Draw	Flush 30s	Pass/Fail	Pass/Fail	Status
01	B	hallway - outside gym,	0.195	0.152	P	0.307	0.259	P	0.221	0.184	P	0.087	0.121	P	P	None
01A	BF	hallway - outside gym, bottle filler				0.254	0.178	P	0.181	0.146	P	0.135	0.12	P	P	None
03	B	hallway - outside room # 101	0.337	0.077	P	0.322	0.128	P	0.177	0.114	P	0.297	0.123	P	P	None
04	B	hallway, 1st floor	0.183	0.142	P	0.165	0.11	P	0.085	0.07	P	0.13	0.103	P	P	None
05	S/B	room # 104	0.2	0.039	P	0.168	0.066	P	0.079	0.066	P	0.048	0.049	P	P	None
06	S/B	room # 105	0.034	0.01	P	0.135	0.147	P	<0.002	<0.002	P	0.004	<0.002	P	P	None
07	B	staff work room	0.141	0.093	P	0.125	0.111	P	0.097	0.091	P	0.107	0.104	P	P	None
08	S	staff work room, lounge	0.12	0.113	P	0.169	0.252	P	0.129	0.117	P	0.143	0.145	P	P	None
09	S/B	room # 201	0.138	0.072	P	0.15	0.062	P	0.065	0.045	P	0.102	0.074	P	P	None
10	S/B	room # 203	0.247	0.276	P	0.455	0.34	P	0.246	0.202	P	0.407	0.314	P	P	None
11	B	2nd floor hallway	0.049	0.048	P	0.266	0.141	P	0.162	0.104	P	0.208	0.151	P	P	None
12	S/B	room # 205	0.254	0.183	P	0.318	0.253	P	0.148	0.111	P	0.178	0.17	P	P	None
13	S/B	room # 204	0.126	0.036	P	0.17	0.132	P	0.08	0.065	P	0.1	0.063	P	P	None
14	S/B	room # 207	0.036	0.032	P	0.195	0.14	P	0.067	0.057	P	0.108	0.094	P	P	None
15	S/B	room # 206	0.14	0.065	P	0.166	0.136	P	0.082	0.059	P	0.129	0.102	P	P	None
16	S/B	room # 209	0.159	0.11	P	0.165	0.127	P	0.081	0.067	P	0.128	0.115	P	P	None
17	S/B	room # 208	0.176	0.092	P	0.189	0.154	P	0.064	0.055	P	0.141	0.109	P	P	None
18	S/B	room # 211	0.253	0.235	P	0.287	0.284	P	0.128	0.141	P	0.206	0.206	P	P	None
19	S/B	room # 210	0.287	0.186	P	0.348	0.181	P	0.214	0.149	P	0.366	0.183	P	P	None
20	S/B	room # 311	0.288	0.245	P	0.293	0.267	P	0.184	0.123	P	0.228	0.199	P	P	None
21	S/B	room # 310	0.254	0.243	P	0.301	0.274	P	0.233	0.16	P	0.304	0.176	P	P	None
22	S/B	room # 309	0.164	0.095	P	0.186	0.122	P	0.096	0.061	P	0.147	0.111	P	P	None
23	S/B	room # 308	0.24	0.097	P	0.18	0.142	P	0.084	0.051	P	0.137	0.112	P	P	None
24	S/B	room # 307	0.102	0.039	P	0.154	0.131	P	0.064	0.048	P	0.071	0.062	P	P	None
25	S/B	room # 306	0.192	0.083	P	0.192	0.111	P	0.086	0.058	P	0.158	0.102	P	P	None
26	S/B	room # 304	0.003	0.002	P	0.007	<0.002	P	0.005	<0.002	P	0.003	<0.002	P	P	None
27	B	3rd floor hallway	0.313	0.062	P	0.264	0.148	P	0.171	0.107	P	0.199	0.14	P	P	None
28	S/B	room # 305	0.27	0.177	P	0.32	0.201	P	0.152	0.092	P	0.198	0.15	P	P	None
31	S/B	room # 303	0.27	0.254	P	0.347	0.342	P	0.138	0.206	P	0.317	0.264	P	P	None
32	S/B	room # 301	0.146	0.088	P	0.135	0.094	P	0.07	0.047	P	0.108	0.064	P	P	None
33	S/B	LCR	0.012	0.011	P	0.037	0.018	P	0.013	0.003	P	0.019	0.02	P	P	None
35	S	kitchen	0.163	0.072	P	0.181	0.177	P	0.057	0.152	P	0.078	0.078	P	P	None
36	S/B	room # 103	0.01	0.01	P	0.006	0.002	P	0.003	0.003	P	0.009	0.007	P	P	None
37	B/S	nurses office - 2nd floor	0.155	0.09	P	0.137	0.073	P	0.058	0.058	P	0.092	0.072	P	P	None
38	S	room 207A	0.295	0.135	P	0.438	0.231	P	0.297	0.338	P	0.208	0.14	P	P	None
41	S	Kitchen	0.206	0.071	P	0.285	0.128	P	0.11	0.06	P	0.126	0.085	P	P	None
42	S	Kitchen	0.24	0.104	P	0.22	0.176	P	0.08	0.057	P	0.148	0.112	P	P	None
43	S	Handicap classroom	0.147	0.055	P	0.226	0.098	P	0.095	0.036	P	0.138	0.079	P	P	None
44	S	Handicap classroom	0.104	0.041	P	0.14	0.103	P	0.066	0.037	P	0.071	0.066	P	P	None

Table 5. Iron Test Results

FIXTURE INFORMATION			2/27/2009		4/20/2012		6/17/2015		8/15/2019		Summary Status	
Fixture ID	Type	Location	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Flush 2m	Pass/Fail	Pass/Fail	Status
01	B	hallway - outside gym,									P	None
01A	BF	hallway - outside gym, bottle filler										Sample
03	B	hallway - outside room # 101									P	None
04	B	hallway, 1st floor									P	None
05	S/B	room # 104									P	None
06	S/B	room # 105									P	None
07	B	staff work room									P	None
08	S	staff work room, lounge	0.087	P							P	None
09	S/B	room # 201			<0.05	P					P	None
10	S/B	room # 203					<0.05	P			P	None
11	B	2nd floor hallway							<0.05	P	P	None
12	S/B	room # 205									P	None
13	S/B	room # 204									P	None
14	S/B	room # 207									P	None
15	S/B	room # 206									P	None
16	S/B	room # 209									P	None
17	S/B	room # 208									P	None
18	S/B	room # 211	0.053	P							P	None
19	S/B	room # 210			<0.05	P					P	None
20	S/B	room # 311	<0.05	P			<0.05	P			P	None
21	S/B	room # 310			<0.05	P					P	None
22	S/B	room # 309					<0.05	P			P	None
23	S/B	room # 308							<0.05	P	P	None
24	S/B	room # 307									P	None
25	S/B	room # 306									P	None
26	S/B	room # 304									P	None
27	B	3rd floor hallway									P	None
28	S/B	room # 305									P	None
31	S/B	room # 303									P	None
32	S/B	room # 301									P	None
33	S/B	LCR	<0.05	P							P	None
35	S	kitchen			<0.05	P					P	None
36	S/B	room # 103					<0.05	P			P	None
37	B/S	nurses office - 2nd floor							<0.05	P	P	None
38	S	room 207A									P	None
41	S	Kitchen	<0.05	P							P	None
42	S	Kitchen			<0.05	P					P	None
43	S	Handicap classroom					<0.05	P	0.393	P	P	None
44	S	Handicap classroom									P	None

Table 6. Service Entry Test Results

Test Results (Service Entry/SE, Units as Shown)						
SOURCE INFORMATION			Most Recent Sampling			
Fixture ID	Type	Location	Item	Sampled	Max Value	Pass/Fail
00	SE	boiler room	Arsenic	17-Jun-15	2 ppb	P
00	SE	boiler room	Cadmium	15-Aug-19	1 ppb	P
00	SE	boiler room	Chlorine	09-Apr-04	0.1 ppm	P
00	SE	boiler room	Copper	15-Aug-19	0.059 ppm	P
00	SE	boiler room	E coli	09-Apr-04	<1 Colonies	P
00	SE	boiler room	Iron	15-Aug-19	<0.05 ppm	P
00	SE	boiler room	Lead	15-Aug-19	1 ppb	P
00	SE	boiler room	Total Coliforms	27-Feb-09	<1 Colonies	P

"<" means: less than the value shown (below analytical detection limits).
 "n/a" means: not applicable.

Table 7. Bacteriological Test Results

Bacteriological Characteristics

Bacteriological testing of selected samples indicated no (zero) coliform bacteria.