

HDR CFW eDNA qPCR results

	GST	WST	RBT	CHN
1A	ND	ND	+	+
1B	ND	ND	+	ND
1C	ND	ND	ND	+
1D	ND	ND	ND	ND
1E	ND	ND	+	ND
5A	ND	ND	ND	+
5B	ND	ND	ND	ND
5C	ND	ND	ND	ND
5D	ND	ND	ND	ND
6A	ND	ND	ND	ND
6B	ND	ND	ND	ND
6C	ND	ND	ND	+
4A	ND	ND	ND	ND
4B	ND	ND	ND	+
4C	ND	ND	+	ND
4D	ND	ND	ND	ND
2A	ND	ND	ND	+
2B	ND	ND	ND	ND
2C	ND	ND	ND	ND
2D	ND	ND	ND	ND
3A	ND	ND	ND	ND
3B	ND	ND	ND	ND
3C	ND	ND	+	ND
3D	ND	ND	+	ND
3E	ND	ND	ND	ND
3A	ND	ND	+	+
1A	ND	ND	ND	+
1B	ND	ND	ND	+
1C	ND	ND	+	+
1D	ND	ND	ND	+
2B	ND	ND	ND	ND
2C	ND	ND	+	+
2D	ND	ND	ND	+
2A	ND	ND	ND	ND
3B	ND	ND	ND	+
3C	ND	ND	ND	+
3D	ND	ND	ND	+
3E	ND	ND	ND	+
4A	ND	ND	ND	ND
4B	ND	ND	ND	ND

Sample date

	28-Feb
	22-Feb
	23-Feb
	1-Mar
	15-Mar
	8-Mar

GST

EC1	ND
EC2	ND
EC3	ND
EC4	ND
EC5	ND
EC6	ND
NTC1	ND
NTC2	ND
NTC3	ND
NTC4	ND
NTC5	ND
NTC6	ND
NTC7	ND
NTC8	ND
NTC9	ND

Positive Controls

Cq	Replicate 1
	Replicate 2
	Replicate 3
	Replicate 4
	Replicate 5
	Replicate 6
	Replicate 7
	Replicate 8
	Replicate 9
Average Cq	

4C	ND	ND	+	ND
4D	ND	ND	ND	ND
5A	ND	ND	ND	ND
5B	ND	ND	ND	ND
5C	ND	ND	+	ND
6A	ND	ND	ND	ND
6B	ND	ND	ND	ND
6C	ND	ND	ND	ND

Standard Deviation

***ND= No Detection**

*** + = positive detection**

WST	RBT	CHN	
ND	ND	ND	DNA Extraction Controls
ND	ND	ND	
ND	ND	ND	
ND	ND	ND	
ND	ND	ND	
ND	ND	ND	
ND	ND	ND	No Template Controls
ND	ND	ND	
ND	ND	ND	
ND	ND	ND	
ND	ND	ND	
ND	ND	ND	
ND	ND	ND	
ND	ND	ND	

GST (+)	WST(+)	RBT (+)	CHN (+)
20	18.02	17.31	18.04
19.92	17.87	17.11	18.01
20.03	18.04	17.16	18.04
19.94	18.02	17.13	17.76
20.03	18.07	17.11	18
20.22	17.94	17.01	18.03
20.01	17.99	16.91	17.92
19.92	17.83	17.11	17.91
20.02	18.22	17.12	18
20.01	18.00	17.11	17.97

0.091	0.115	0.108	0.091
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field_number	collection_date	location_name	location_point	Latitude
5A22217	22-Feb	Camp Far West	5A	39.03776
5B22217	22-Feb	Camp Far West	5B	39.03818
5C22217	22-Feb	Camp Far West	5C	39.03741
5D22217	22-Feb	Camp Far West	5D	39.03724
6A22217	22-Feb	Camp Far West	6A	39.04150
6B22217	22-Feb	Camp Far West	6B	39.04180
6C22217	22-Feb	Camp Far West	6C	39.04069
4A22317	23-Feb	Camp Far West	4A	38.99983
4B22317	23-Feb	Camp Far West	4B	39.00059
4C22317	23-Feb	Camp Far West	4C	38.99926
4D22317	23-Feb	Camp Far West	4D	38.99881
1A022817	28-Feb	Camp Far West	1A	38.94251
1B022817	28-Feb	Camp Far West	1B	38.94322
1C022817	28-Feb	Camp Far West	1C	38.94161
1D022817	28-Feb	Camp Far West	1D	38.94074
1E022817	28-Feb	Camp Far West	1E	38.93984
CFW2A	1-Mar	Camp Far West	2A	38.97432
CFW2B	1-Mar	Camp Far West	2B	38.97382
CFW2C	1-Mar	Camp Far West	2C	38.97453
CFW2D	1-Mar	Camp Far West	2D	38.97469
CFW3A	1-Mar	Camp Far West	3A	38.97834
CFW3B	1-Mar	Camp Far West	3B	38.97888
CFW3C	1-Mar	Camp Far West	3C	38.97754
CFW3D	1-Mar	Camp Far West	3D	38.97691
CFW3E	1-Mar	Camp Far West	3E	38.97629
4A3/8/17	8-Mar	Camp Far West	4A	38.99983
4B3/8/17	8-Mar	Camp Far West	4B	39.00059
4C3/8/17	8-Mar	Camp Far West	4C	38.99926
4D3/8/17	8-Mar	Camp Far West	4D	38.99881
5A3/8/17	8-Mar	Camp Far West	5A	39.03776
5B3/8/17	8-Mar	Camp Far West	5B	39.03818
5C3/8/17	8-Mar	Camp Far West	5C	39.03741
6A3/8/17	8-Mar	Camp Far West	6A	39.04150
6B3/8/17	8-Mar	Camp Far West	6B	39.04180
6C3/8/17	8-Mar	Camp Far West	6C	39.04069
6D3/8/17	8-Mar	Camp Far West	6D	39.04001
1A3/15/17	15-Mar	Camp Far West	1A	38.94251
1B3/15/17	15-Mar	Camp Far West	1B	38.94322
1C3/15/17	15-Mar	Camp Far West	1C	38.94161
1D3/15/17	15-Mar	Camp Far West	1D	38.94074
2A3/15/17	15-Mar	Camp Far West	2A	38.97432
2B3/15/17	15-Mar	Camp Far West	2B	38.97382
2C3/15/17	15-Mar	Camp Far West	2C	38.97453
2D3/15/17	15-Mar	Camp Far West	2D	38.97469
3A3/15/17	15-Mar	Camp Far West	3A	38.97834

3B3/15/17	15-Mar	Camp Far West	3B	38.97888
3C3/15/17	15-Mar	Camp Far West	3C	38.97754
3D3/15/17	15-Mar	Camp Far West	3D	38.97691
3E3/15/17	15-Mar	Camp Far West	3E	38.97629
EC1	--	Elution control	--	--
EC2	--	Elution control	--	--
EC3	--	Elution control	--	--
EC4	--	Elution control	--	--
EC5	--	Elution control	--	--
EC6	--	Elution control	--	--
NTC1	--	No template contro	--	--
NTC2	--	No template contro	--	--
NTC3	--	No template contro	--	--
NTC4	--	No template contro	--	--
NTC5	--	No template contro	--	--
NTC6	--	No template contro	--	--
NTC7	--	No template contro	--	--
NTC8	--	No template contro	--	--
NTC9	--	No template contro	--	--
Replicate 1	--	Positive control	--	--
Replicate 2	--	Positive control	--	--
Replicate 3	--	Positive control	--	--
Replicate 4	--	Positive control	--	--
Replicate 5	--	Positive control	--	--
Replicate 6	--	Positive control	--	--
Replicate 7	--	Positive control	--	--
Replicate 8	--	Positive control	--	--
Replicate 9	--	Positive control	--	--

Longitude	GST	WST	RBT	CHN	filter_volume_ml	Control
-121.33839	ND	ND	ND	+	500	FALSE
-121.33737	ND	ND	ND	ND	675	FALSE
-121.33947	ND	ND	ND	ND	625	FALSE
-121.34062	ND	ND	ND	ND	725	FALSE
-121.33288	ND	ND	ND	ND	630	FALSE
-121.33175	ND	ND	ND	ND	865	FALSE
-121.33335	ND	ND	ND	+	660	FALSE
-121.40658	ND	ND	ND	ND	820	FALSE
-121.40597	ND	ND	ND	+	870	FALSE
-121.40749	ND	ND	+	ND	740	FALSE
-121.40851	ND	ND	ND	ND	830	FALSE
-121.57241	ND	ND	+	+	730	FALSE
-121.57166	ND	ND	+	ND	720	FALSE
-121.57238	ND	ND	ND	+	720	FALSE
-121.57222	ND	ND	ND	ND	670	FALSE
-121.57230	ND	ND	+	ND	830	FALSE
-121.53510	ND	ND	ND	+	850	FALSE
-121.53415	ND	ND	ND	ND	900	FALSE
-121.53623	ND	ND	ND	ND	610	FALSE
-121.53740	ND	ND	ND	ND	790	FALSE
-121.51670	ND	ND	ND	ND	985	FALSE
-121.51578	ND	ND	ND	ND	1000	FALSE
-121.51723	ND	ND	+	ND	1000	FALSE
-121.51809	ND	ND	+	ND	990	FALSE
-121.51898	ND	ND	ND	ND	960	FALSE
-121.40658	ND	ND	ND	ND	1000	FALSE
-121.40597	ND	ND	ND	ND	1000	FALSE
-121.40749	ND	ND	+	ND	1000	FALSE
-121.40851	ND	ND	ND	ND	1000	FALSE
-121.33839	ND	ND	ND	ND	1000	FALSE
-121.33737	ND	ND	ND	ND	1000	FALSE
-121.33947	ND	ND	+	ND	1000	FALSE
-121.33288	ND	ND	ND	ND	1000	FALSE
-121.33175	ND	ND	ND	ND	1000	FALSE
-121.33335	ND	ND	ND	ND	1000	FALSE
-121.33415	ND	ND	ND	ND	1000	FALSE
-121.57241	ND	ND	ND	+	1000	FALSE
-121.57166	ND	ND	ND	+	1000	FALSE
-121.57238	ND	ND	+	+	1000	FALSE
-121.57222	ND	ND	ND	+	1000	FALSE
-121.53510	ND	ND	ND	ND	1000	FALSE
-121.53415	ND	ND	ND	ND	1000	FALSE
-121.53623	ND	ND	+	+	1000	FALSE
-121.53740	ND	ND	ND	+	1000	FALSE
-121.51670	ND	ND	+	+	1000	FALSE

-121.51578	ND	ND	ND	+	1000	FALSE
-121.51723	ND	ND	ND	+	1000	FALSE
-121.51809	ND	ND	ND	+	1000	FALSE
-121.51898	ND	ND	ND	+	1000	FALSE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	ND	ND	ND	ND	--	TRUE
--	20.0	18.0	17.3	18.0	--	TRUE
--	19.9	17.9	17.1	18.0	--	TRUE
--	20.0	18.0	17.2	18.0	--	TRUE
--	19.9	18.0	17.1	17.8	--	TRUE
--	20.0	18.1	17.1	18.0	--	TRUE
--	20.2	17.9	17.0	18.0	--	TRUE
--	20.0	18.0	16.9	17.9	--	TRUE
--	19.9	17.8	17.1	17.9	--	TRUE
--	20.0	18.2	17.1	18.0	--	TRUE