

Supplemental Material

Remains of the 19th Century: Deep storage of contaminated hydraulic mining sediment along the Lower Yuba River, California

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Table S1. Borehole site specifications

Boring ID	Latitude	Longitude	Sampling date	Borehole depth (m)	No. of samples
B1	N 39.135292°	W 121.550865°	8/30/2014	0.60	3
B2	N 39.135182°	W 121.550820°	8/30/2014	0.25	1
B3	N 39.135430°	W 121.550870°	8/30/2014	1.60	5
B4	N 39.129682°	W 121.586592°	9/27/2014	2.05	4
B5	N 39.131390°	W 121.589260°	9/27/2014	4.50	6
B6	N 39.177970°	W 121.504908°	10/3/2014	5.90	7
B7	N 39.170420°	W 121.519690°	11/11/2014	4.20	7
B8	N 39.161310°	W 121.531270°	11/11/2014	5.60	6
B9	N 39.170975°	W 121.505685°	10/28/2015	1.50	0
B10	N 39.161923°	W 121.504874°	10/28/2015	3.66	5
B11	N 39.182225°	W 121.504719°	1/23/2016	6.65	6
B12	N 39.159180°	W 121.562589°	2/18/2016	0.70	4

Table S2. Outcrop site specifications

Outcrop ID	Latitude	Longitude	Sampling date	Column height (m)	No. of samples
OC1	N 39.175852°	W 121.524260°	3/23/2015	7.89	4
OC2	N 39.137209°	W 121.580952°	8/3/2015	6.55	6
OC3	N 39.164011°	W 121.549936°	9/10/2015	8.75	6
OC4	N 39.161184°	W 121.554044°	9/10/2015	11.61	4
OC5	N 39.159575°	W 121.555336°	9/21/2015	7.16	3
OC6	N 39.152415°	W 121.565467°	9/21/2015	9.51	5

Table S3. Rose Bar and Blue Point Mine site specifications

Sample ID	Latitude	Longitude	Sampling date	No. of samples
M1	N 39.210040°	W 121.284286°	3/26/2016	1
M2S	N 39.208518°	W 121.287418°	3/26/2016	1
M2G	N 39.208518°	W 121.287418°	3/26/2016	1
M3S	N 39.208221°	W 121.288534°	3/26/2016	1
M3G	N 39.208221°	W 121.288534°	3/26/2016	1
M4	N 39.208383°	W 121.288086°	3/26/2016	1
R1	N 39.221628°	W 121.295052°	3/26/2016	1
R2	N 39.219838°	W 121.297407°	3/26/2016	1
R3	N 39.218747°	W 121.298676°	3/26/2016	1
R4	N 39.217789°	W 121.297185°	3/26/2016	1
R4N	N 39.217789°	W 121.297185°	3/26/2016	1
R5	N 39.218498°	W 121.297839°	3/26/2016	1
R6	N 39.218983°	W 121.299183°	3/26/2016	1

Table S4. Contact elevation data for boring and outcrop samples

Sample name	Contact depth (m)	Surface elevation (meters above mean sea level)	Contact elevation (meters above mean sea level)
B1	Not found	21.23	Not found
B2	Not found	21.28	Not found
B3	1.32	21.42	20.10
B4	1.85	14.25	12.40
B5	Not found	19.59	Not found
B6	Not found	28.42	Not found
B7	2.80	25.04	22.24
B8	Not found	25.38	Not found
B10	3.14	26.14	23.00
B11	5.45	28.89	23.44
B12	Not found	22.49	Not found
OC1	7.00	26.65	19.65
OC2	4.02	20.05	16.03
OC3	7.53	23.90	16.37
OC4	6.81	23.68	16.87
OC5	Not found	18.14	Not found
OC6	5.63	21.60	15.97

Table S5. Contact elevation estimations for field sites where the contact between the pre-mining sediment and HMS was not encountered

Sample name	Contact depth (m)	Surface elevation (m above mean sea level)	Contact elevation (m above mean sea level)
B5	~4.35	19.59	15.24
B6	~5.90	28.42	22.52
B8	~5.43	25.38	19.95
B12	~0.60	22.49	21.89
OC5	~2.22	18.14	15.92