Date	R4-8				R4-S7				R4-S6				
	Cd	Pb	Zn	pH	Cd	Pb	Zn	pH	Cd	Pb	Zn	pH	Cd
	mg/L			S.U.	mg/L			S.U	mg/L			S.U.	
18-Aug													
28-Sep													
11-Oct													
14-Oct				4.5									
18-Oct	0.005	0.0062	2.0	4.5	0.005	0.008	2.00	6.1	0.005	0.028	2.00	5.6	0.052
21-Oct	0.005	0.0095	2.0	4.2	0.005	0.005	2.00	5.1	0.005	0.005	2.00	4.7	0.005
25-Oct	0.009	0.0110	2.0	4.1	0.011	0.005	2.00	5.0	0.005	0.005	2.00	4.6	0.005
28-Oct	0.287	0.0322	36.12	4.1	0.005	0.005	2.00	5.2	0.005	0.012	2.00	4.7	0.008
1-Nov	0.005	0.005	2.70	4.4	0.005	0.005	2.00	4.8	0.005	0.005	2.00	4.6	0.005
4-Nov	0.0052	0.010	2.00	4.02	0.005	0.005	2.00	4.37	0.005	0.015	2.00	4.36	0.005
8-Nov	0.005	0.00546	2.00	4.39	0.005	0.005	2.00	4.84	0.005	0.005	2.00	4.76	0.094546
11-Nov	0.005	0.005	2.00	4.1	0.005	0.010	2.00	4.97	0.01955	0.005	2.00	4.71	0.006299
15-Nov													
18-Nov													
22-Nov													
25-Nov													
29-Nov													
2-Dec													

R4-S5			R4-5				R4-S4				R4-S3			
Pb	Zn	pH	Cd	Pb	Zn	pH	Cd	Pb	Zn	pH	Cd	Pb	Zn	pH
mg/L		S.U.	mg/L			S.U.	mg/L			S.U.	mg/L			S.U.
			0.155	0.0018	5.82	5.1								
			0.295	0.0006	11.60	4.8					0.0058	0.001	2.00	5.1
			0.327	0.005	8.60	4.6					0.0079	0.005	2.00	5.1
			0.310	0.005	11.14	4.6					0.005	0.016	2.00	4.8
0.015	2.80	4.9	0.342	0.0120	12.20	4.6					0.0111	0.005	2.00	4.9
0.005	2.00	4.9	0.341	0.005377	12.95	4.2	0.005	0.005	2.00	4.7	0.0067	0.005	2.00	4.6
0.005	2.00	4.9	0.331	0.005	12.25	4.2	0.005	0.005	2.00	4.8	0.0066	0.005	2.00	4.7
0.03404	9.81	5.0	0.325	0.023	33.95	4.0	0.005	0.010	2.00	4.6	0.0059	0.005	15.61	4.6
0.005	2.00	4.4	0.314	0.005	11.53	4.0	0.005	0.005	2.00	4.6	0.0065	0.005	2.00	4.6
0.005	2.00	4.53	0.349	0.005	10.75	3.87	0.005	0.005	2.00	4.36	0.0069	0.005	2.00	4.44
0.010591	5.28	4.84	0.315	0.005	9.82	4.26	0.005001	0.005	2.00	4.43	0.0071	0.005	2.00	4.54
0.005	2.00	4.78	0.244	0.005	8.39	5.28	0.005	0.005	2.00	4.71	0.005	0.005	2.00	4.73

Rainfall in last 7 days (in.)
1.8
0.1
1.9
1.1
0.0
0.0
0.0
0.0
1.4
1.54
0.14
0.1

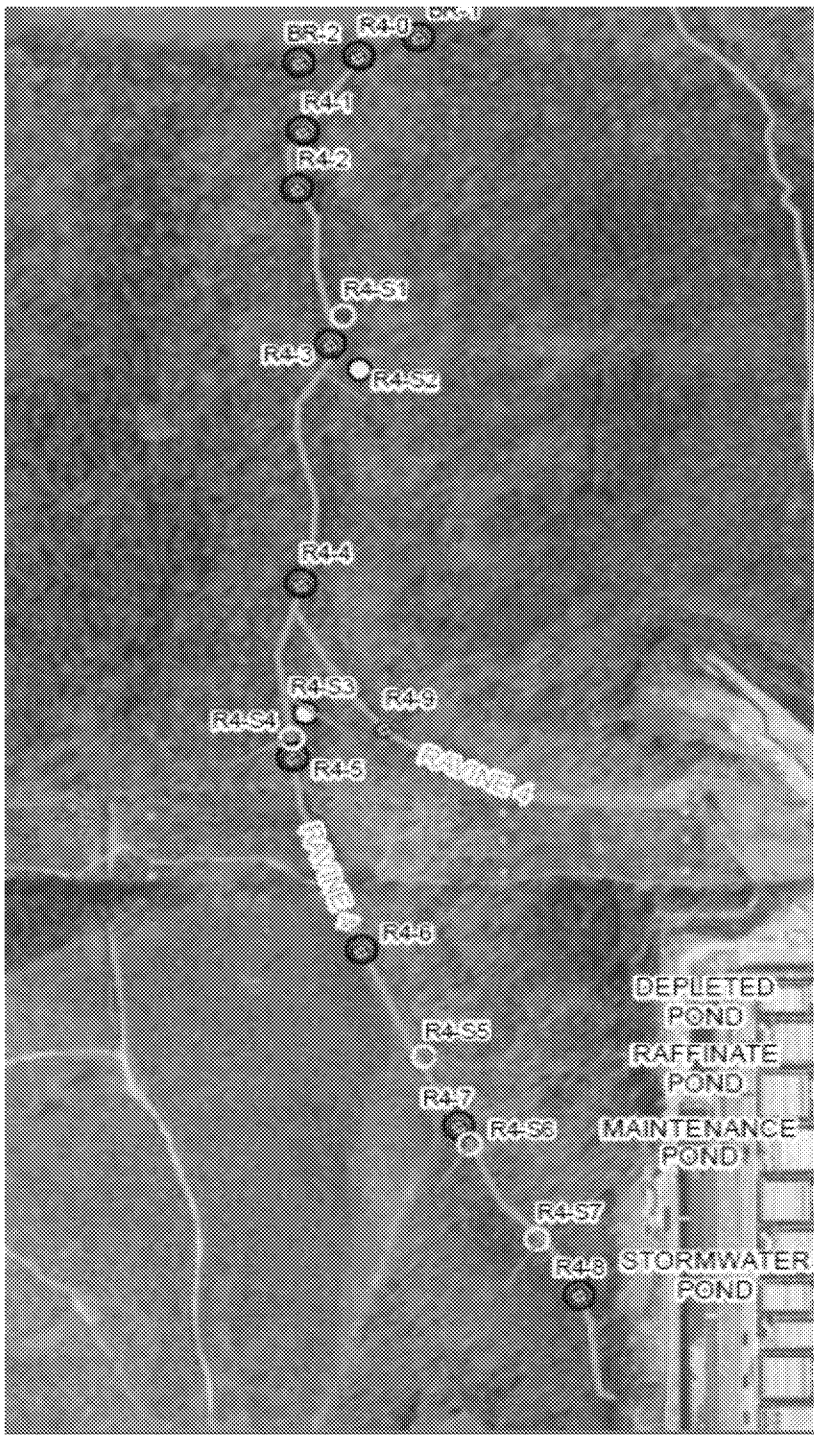
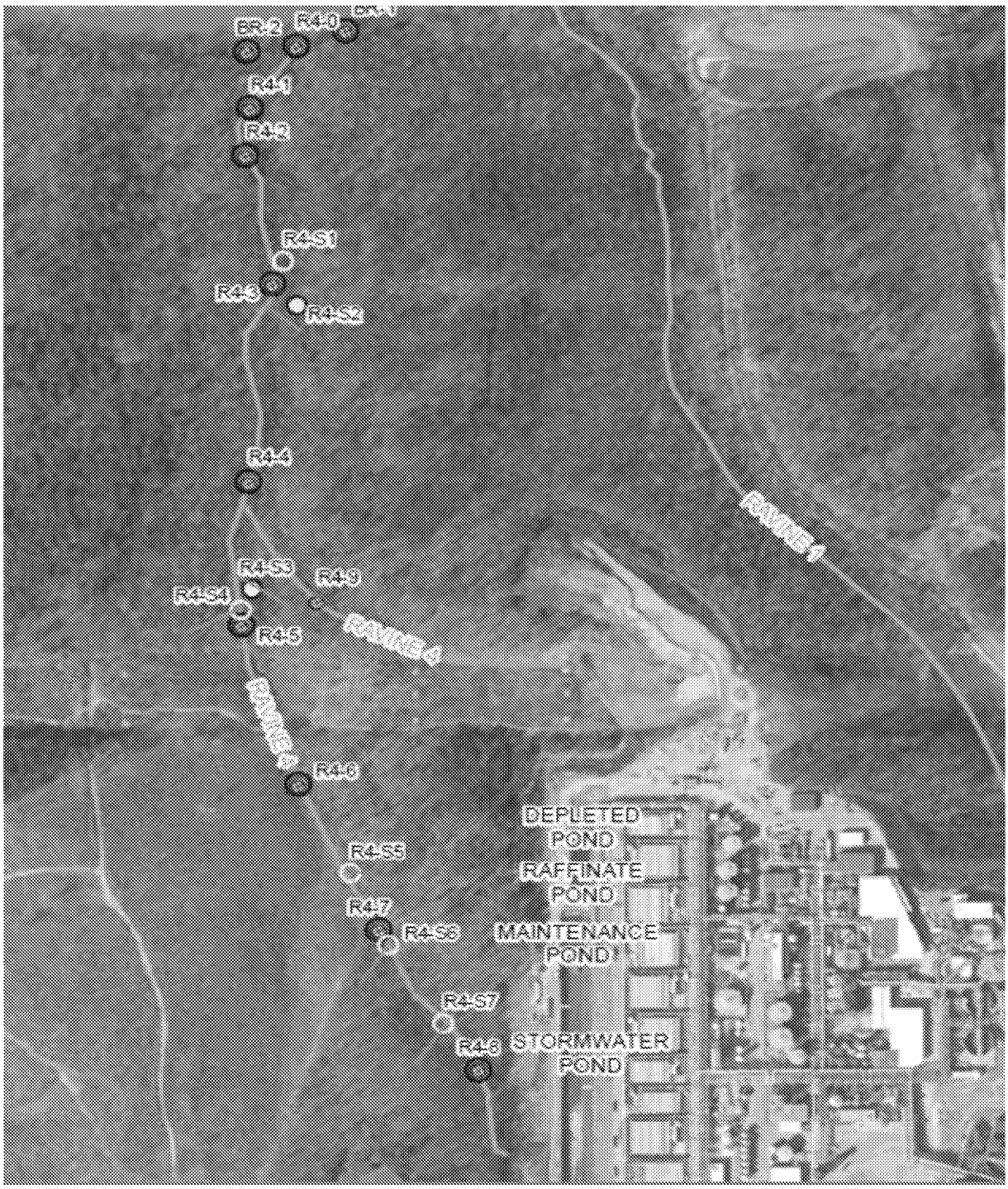


FIGURE 3
SURFACE WATER AND
SAMPLING LOCAT
AMERICAN ZINC PI

Date		R4-8				R4-S7				R4-S6		
		Cd	Pb	Zn	pH	Cd	Pb	Zn	pH	Cd	Pb	Zn
		mg/L			S.U.	mg/L			S.U	mg/L		
18-Aug												
28-Sep												
11-Oct												
14-Oct												
18-Oct												
21-Oct												
25-Oct										WA: <0.002 AZP: <0.005	WA: <0.006 AZP: <0.005	WA: <0.02 AZP: <2.0
28-Oct										WA: <0.002 AZP: <0.005	WA: <0.006 AZP: 0.012	WA: <0.020 AZP: <2.0
1-Nov												
4-Nov	WA											
	AZP											
	Deviation %											
8-Nov												
11-Nov												
15-Nov												
18-Nov												
22-Nov												
25-Nov												
29-Nov												
2-Dec												

	R4-S5				R4-5				R4-S4				R4-S3				Rainfall in last 7 days (in.)
pH	Cd	Pb	Zn	pH	Cd	Pb	Zn	pH	Cd	Pb	Zn	pH	Cd	Pb	Zn	pH	
S.U.	mg/L			S.U.	mg/L			S.U.	mg/L			S.U.	mg/L			S.U.	
																	1.8
																	0.1
																	1.9
																	1.1
																	0.0
																	0.0
																	0.0
																	0.0
																	1.4
					0.306	<0.001	11.00										1.5
					0.349	<0.005	10.80										
					-14%	n/a	**2%**										


R40
R41
R42
R4S1
R43
R4S2
R44
R4S3
R49
R4S4
R45
R46
R4S5
R47
R4S6
R4S7
R48
DEPLETED POND
RAFFINATE POND
MAINTENANCE POND
STORMWATER POND

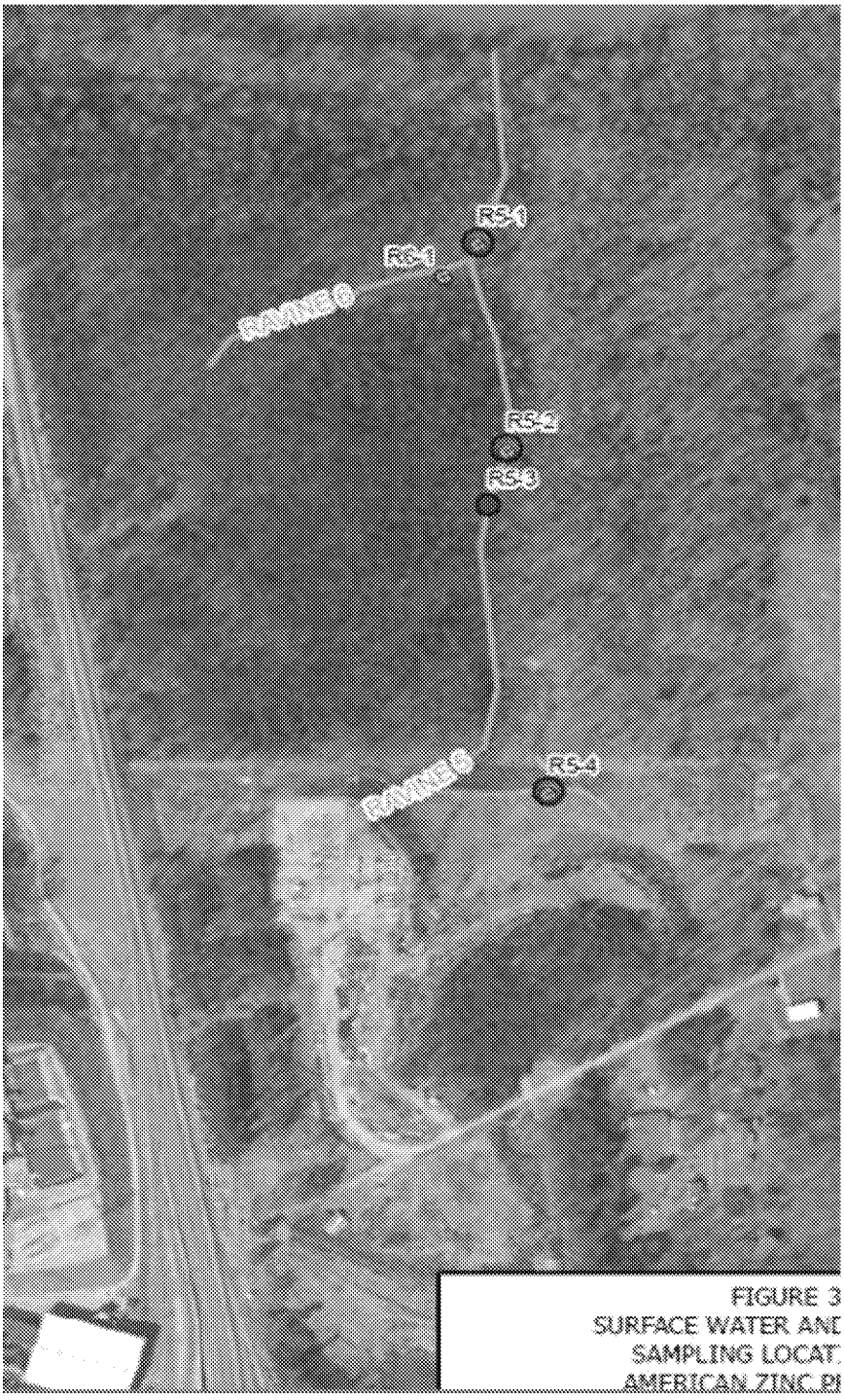
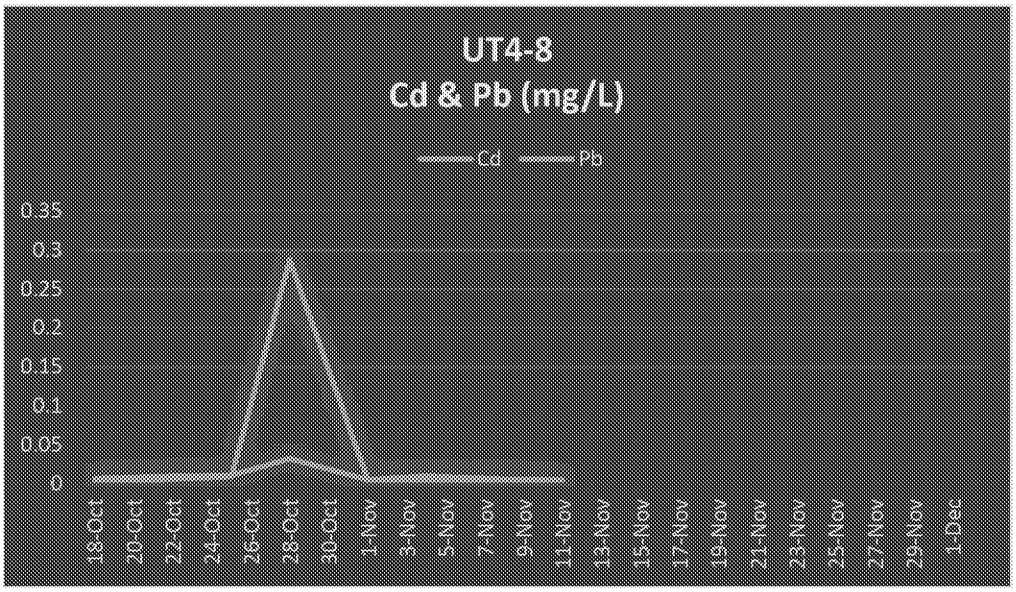
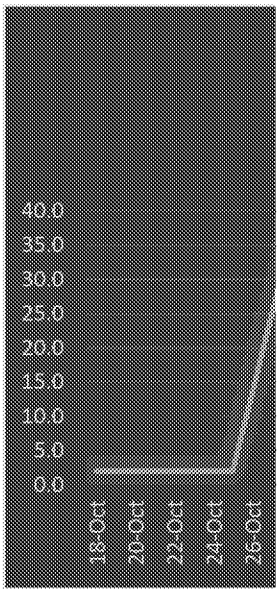
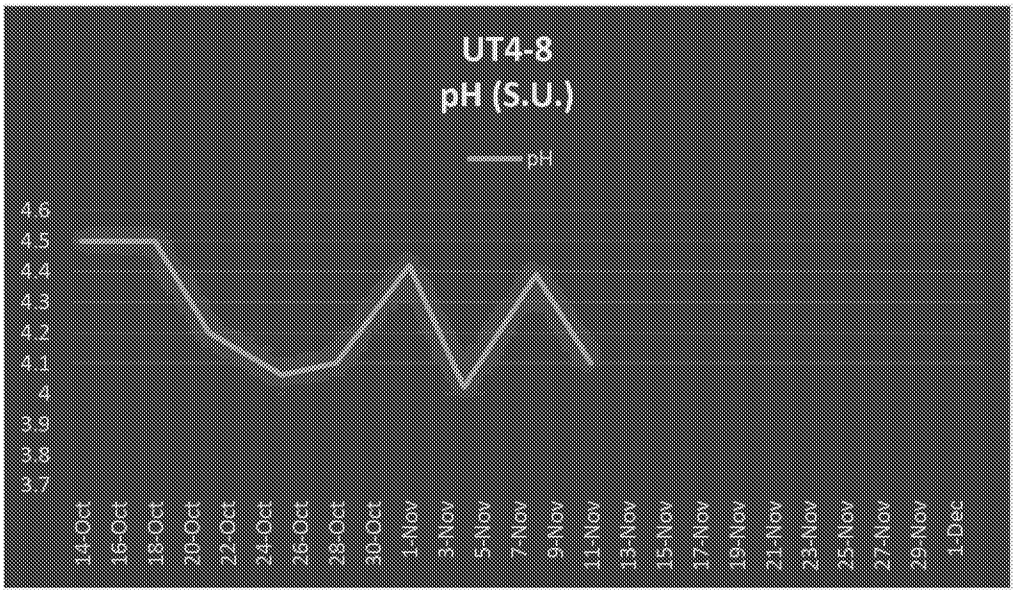
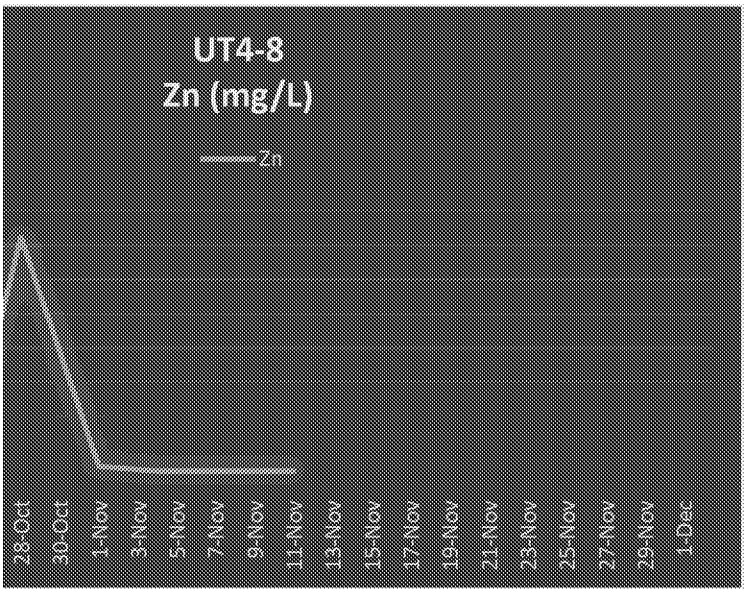


FIGURE 3
SURFACE WATER AND
SAMPLING LOCAT.
AMERICAN ZINC PI


UT4-8
Cd & Pb (mg/L)
Cd
Pb
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec


40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct


UT4-8
pH (S.U.)
pH
4.6
4.5
4.4
4.3
4.2
4.1
4
3.9
3.8
3.7
14-Oct
16-Oct
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec


UT4-8
Zn (mg/L)
Zn
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec

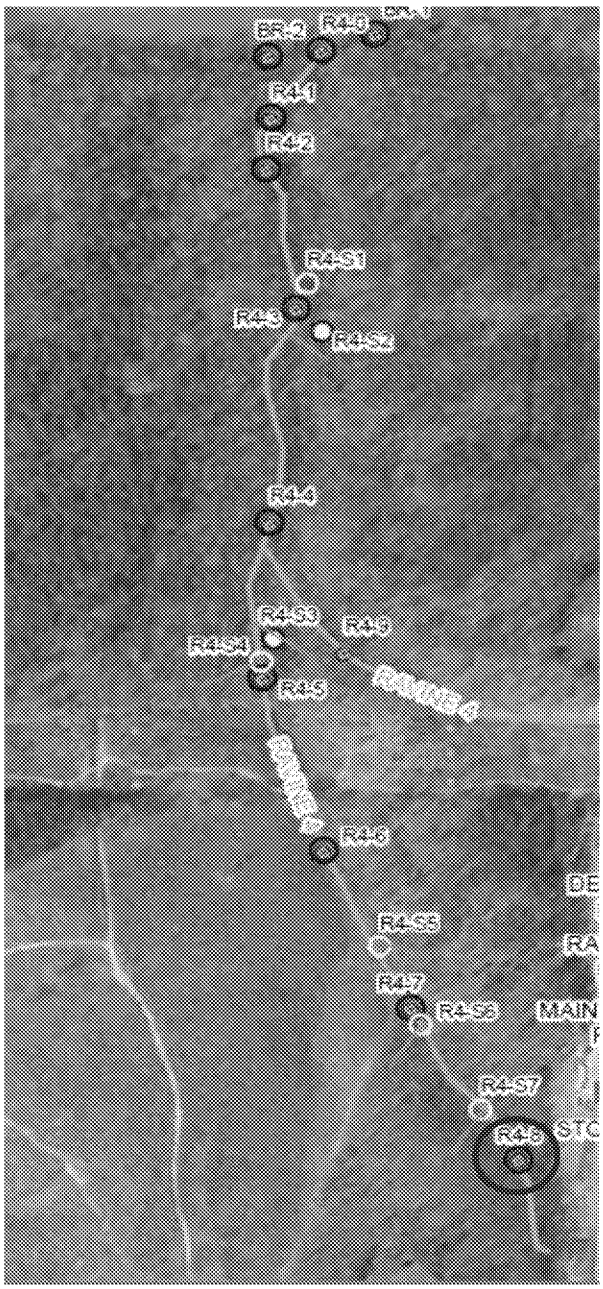
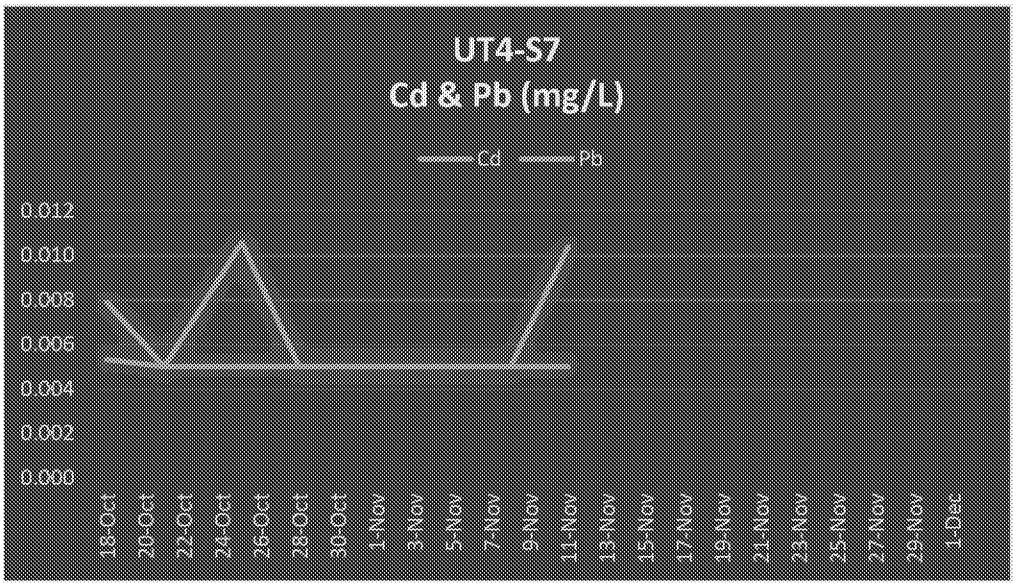
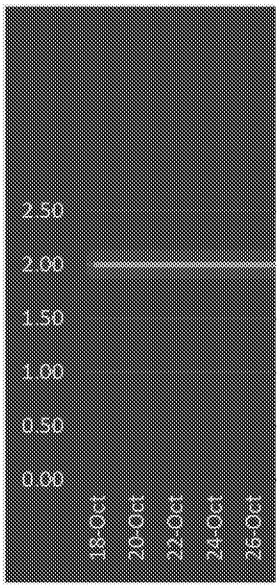
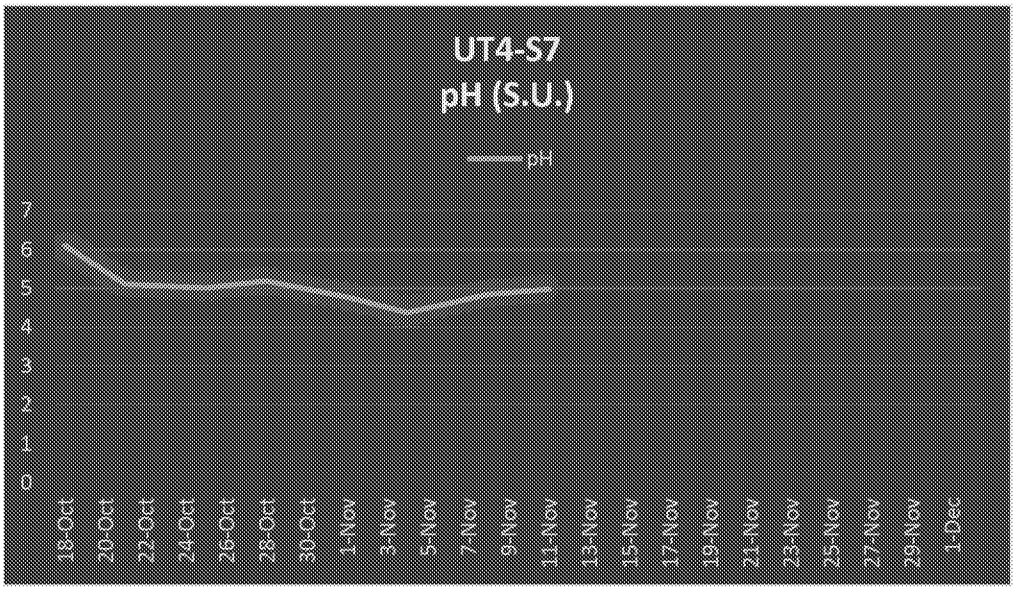
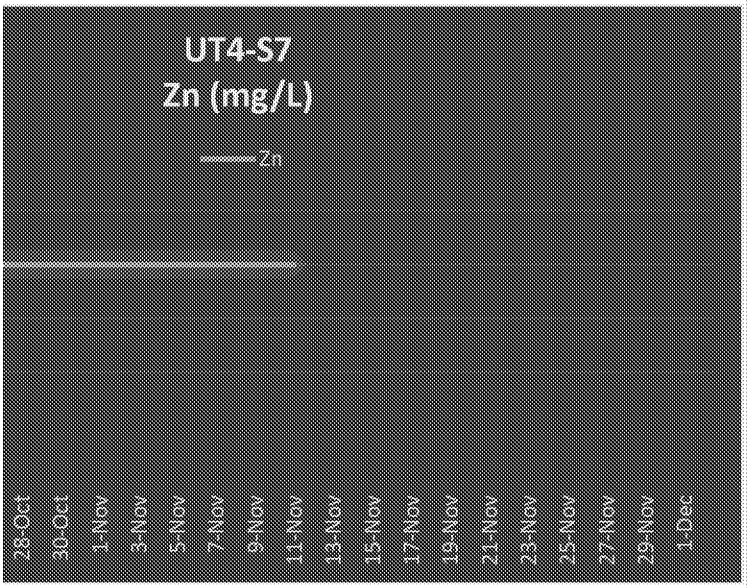

R4-1
R4-2
R4-S1
R4-3
R4-S2
R4-4
R4-S3
R4-S4
R4-5
R4-6
R4-S5
R4-7
R4-S6
R4-S7
R4-8

FIGURE 3
SURFACE WATER AND
SAMPLING LOCAT
AMERICAN ZINC PI


UT4-S7
Cd & Pb (mg/L)
Cd
Pb
0.012
0.010
0.008
0.006
0.004
0.002
0.000
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec


2.50
2.00
1.50
1.00
0.50
0.00
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct


UT4-S7
pH (S.U.)
pH
7
6
5
4
3
2
1
0
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec


UT4-S7
Zn (mg/L)
Zn
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec

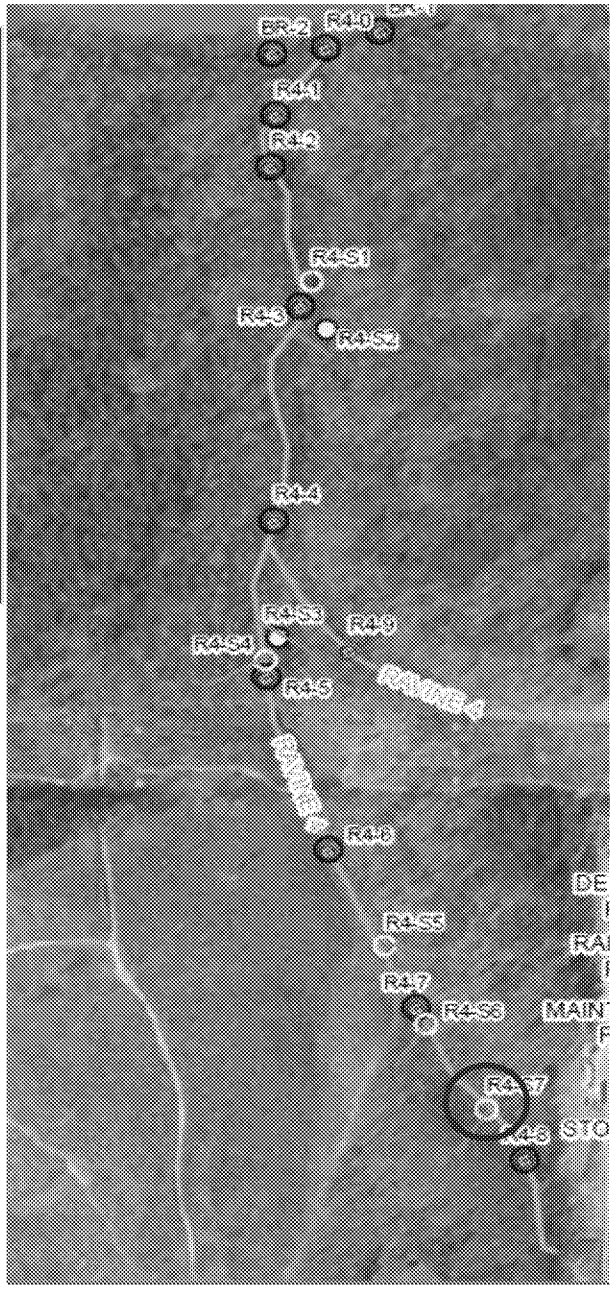
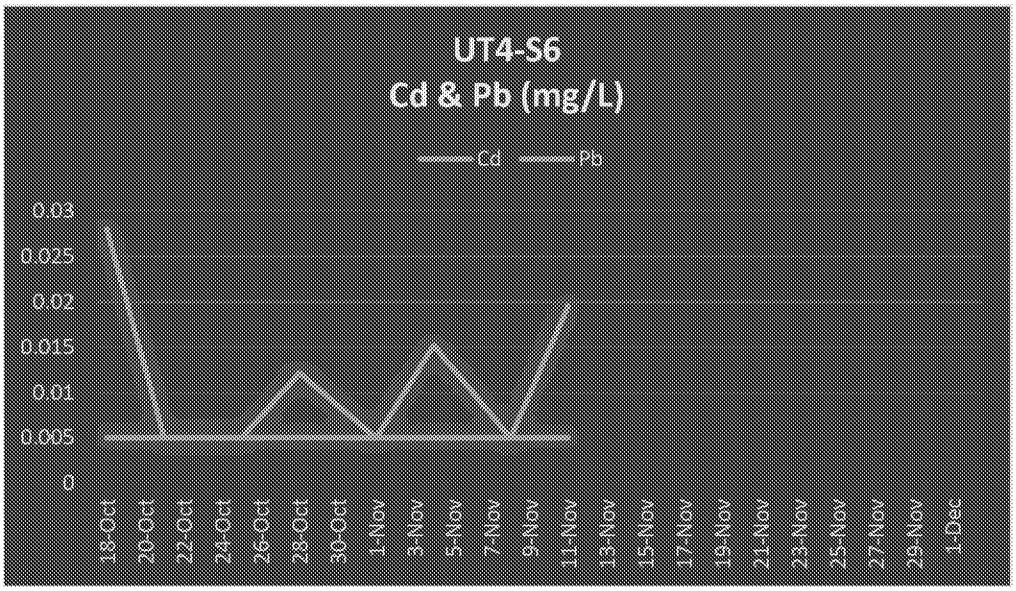
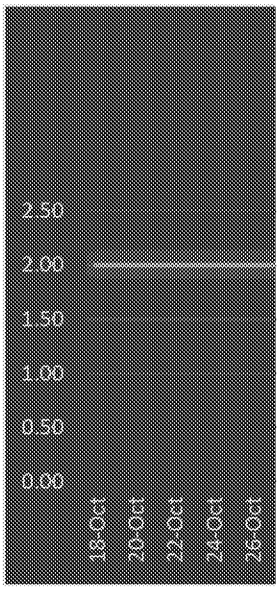
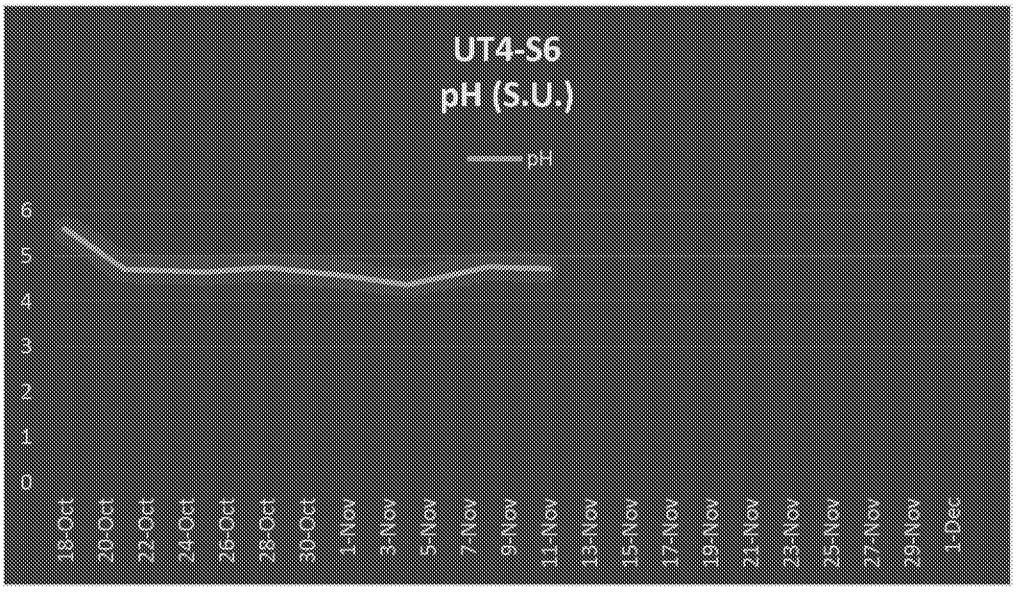
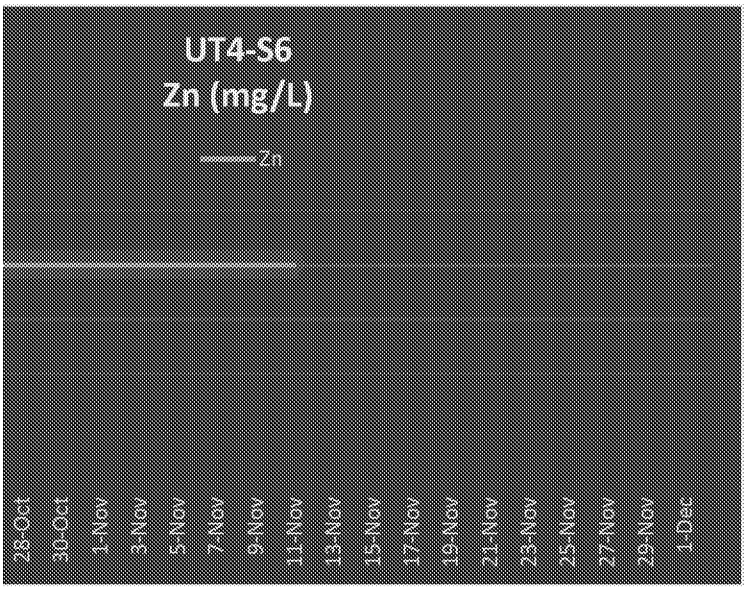

ER-2
R4-0
R4-1
R4-2
R4-S1
R4-3
R4-S2
R4-4
R4-S3
R4-9
R4-S4
R4-5
R4-6
R4-S5
R4-7
R4-S6
R4-8

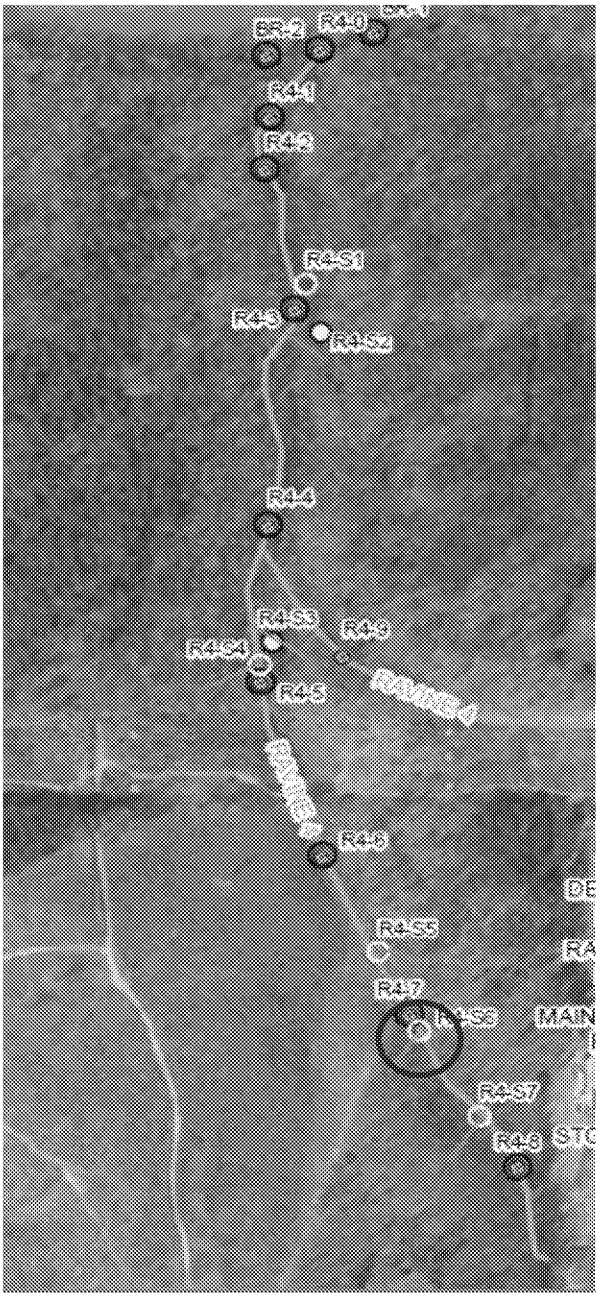
FIGURE 3
SURFACE WATER AND
SAMPLING LOCAT
AMERICAN ZINC P


UT4-S6
Cd & Pb (mg/L)
Cd
Pb
0.03
0.025
0.02
0.015
0.01
0.005
0
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec


2.50
2.00
1.50
1.00
0.50
0.00
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct

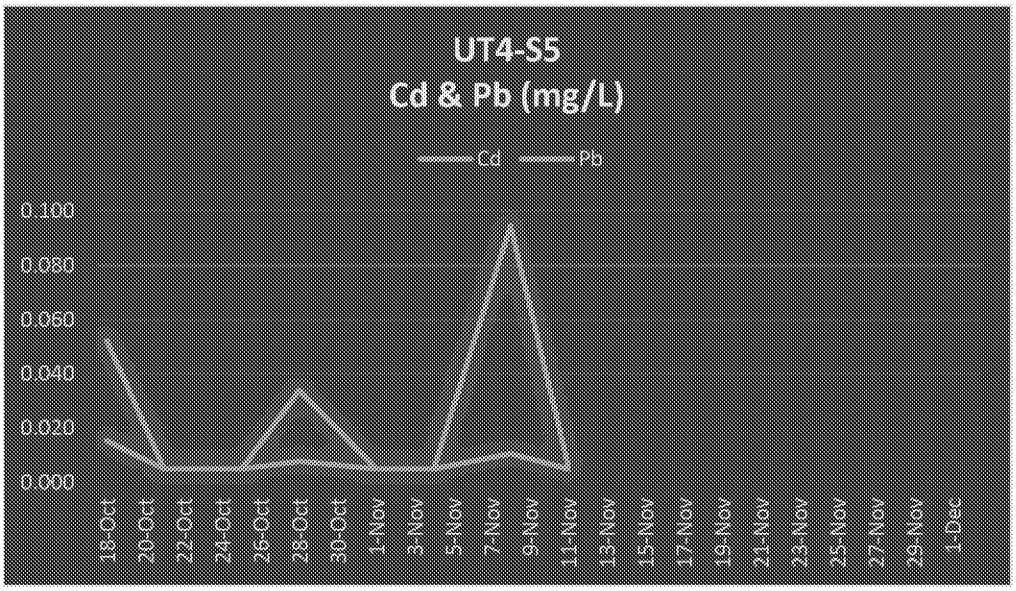

UT4-S6
pH (S.U.)
pH
6
5
4
3
2
1
0
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec

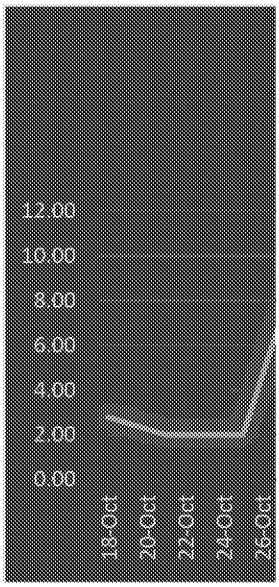

UT4-S6
Zn (mg/L)
Zn
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec

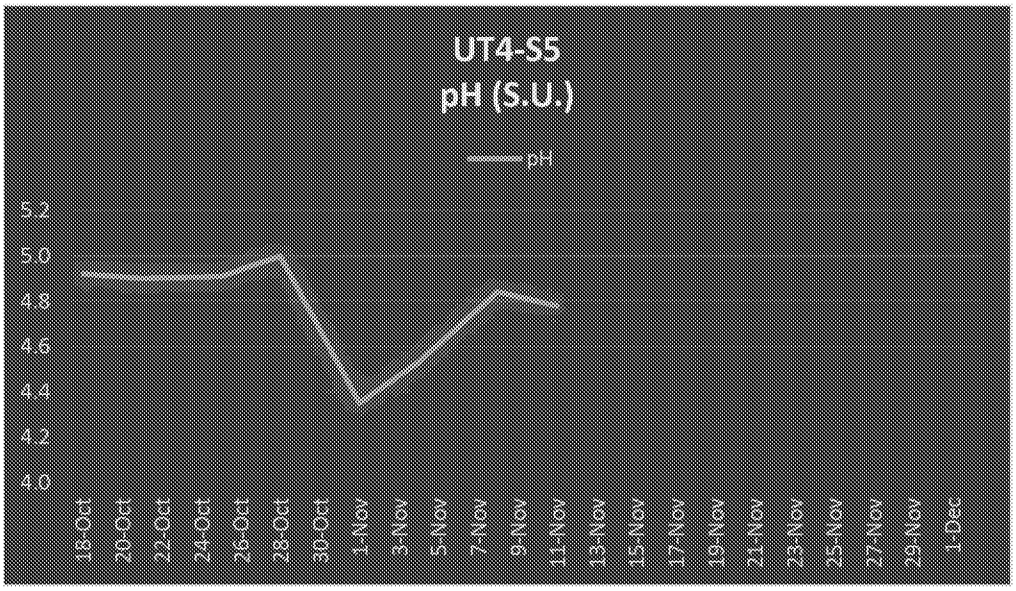

BR-2
R4-0
R4-1
R4-2
R4-S1
R4-3
R4-S2
R4-4
R4-S3
R4-9
R4-S4
R4-5
RAVINE 4
RAVINE 4
R4-6
R4-S5
R4-7
R4-S6
R4-S7
R4-8

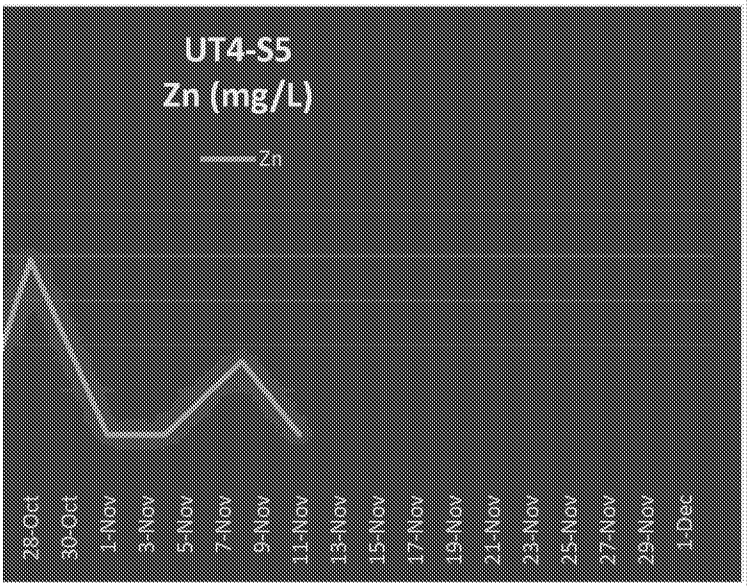
RS4
RS4
RS4
RS4
RS4
EPLETED
POND
AFFINATE
POND
ITENANCE
POND
ORMWATER
POND
FIGURE
SURFACE WATER A
SAMPLING LOC
AMERICAN ZINC

S


UT4-S5
Cd & Pb (mg/L)
Cd
Pb
0.100
0.080
0.060
0.040
0.020
0.000
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec


12.00
10.00
8.00
6.00
4.00
2.00
0.00
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct


UT4-S5
pH (S.U.)
pH
5.2
5.0
4.8
4.6
4.4
4.2
4.0
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec


UT4-S5
Zn (mg/L)
Zn
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec

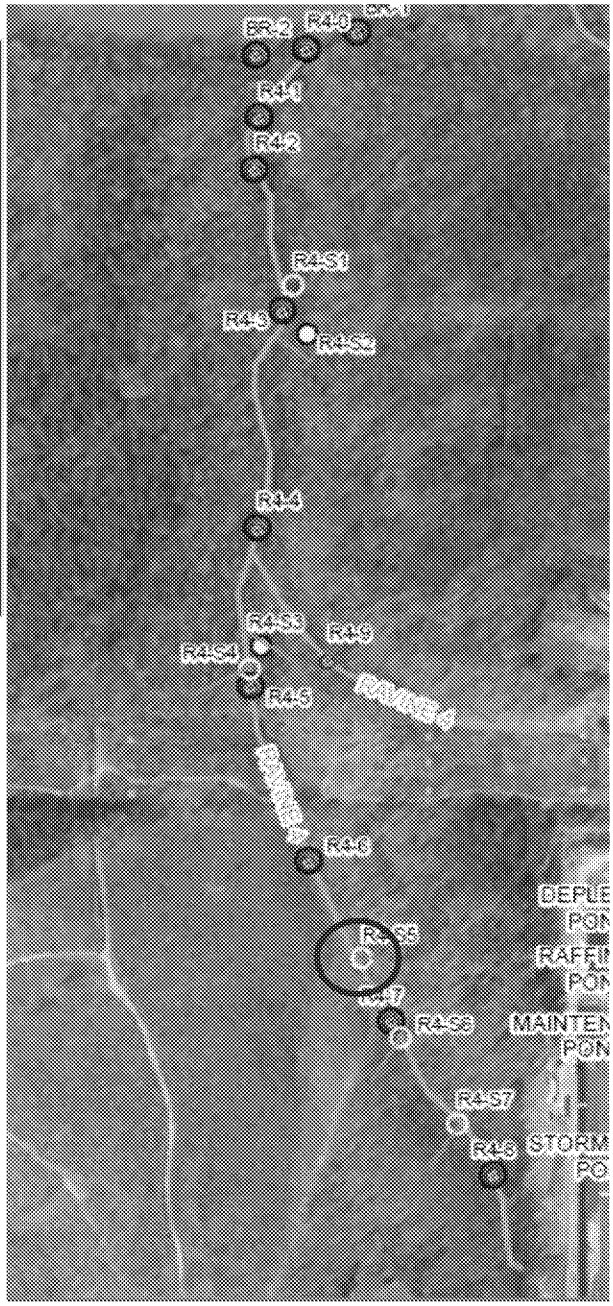
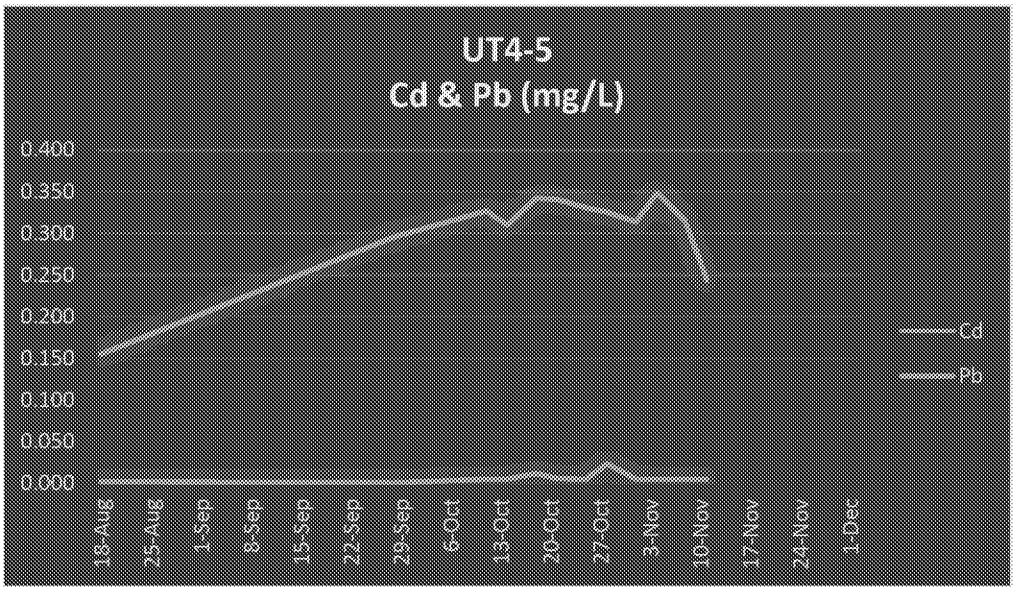
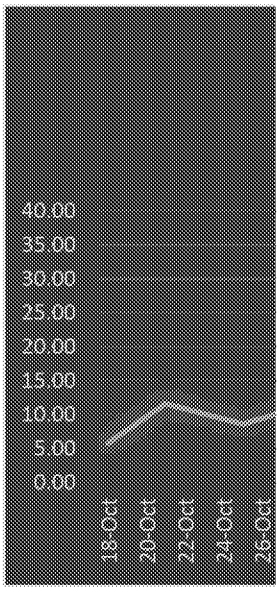
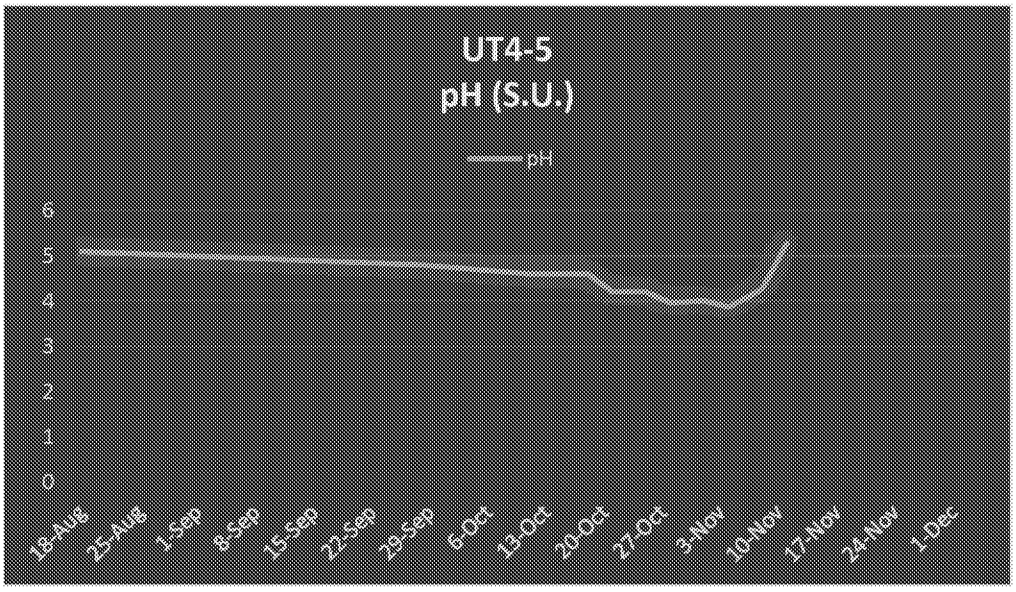
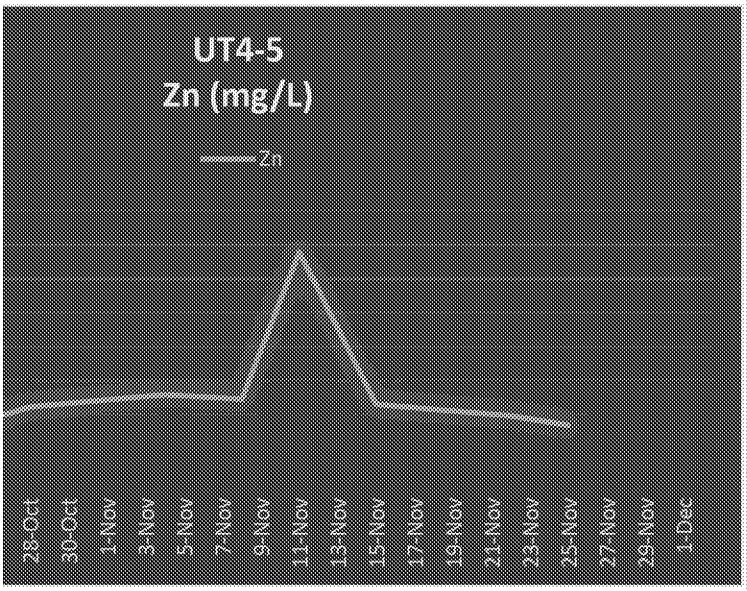

R4-0
R4-1
R4-2
R4-S1
R4-3
R4-S2
R4-4
R4-S3
R4-9
R4-S4
R4-5
RAVINE 4
R4-6
R4-S6
R4-S7
R4-8

FIGURE 3
SURFACE WATER AND
SAMPLING LOCAT
AMERICAN ZINC PI


UT4-5
Cd & Pb (mg/L)
0.400
0.350
0.300
0.250
0.200
0.150
0.100
0.050
0.000
18-Aug
25-Aug
1-Sep
8-Sep
15-Sep
22-Sep
29-Sep
6-Oct
13-Oct
20-Oct
27-Oct
3-Nov
10-Nov
17-Nov
24-Nov
1-Dec
Cd
Pb


40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct


UT4-5
pH (S.U.)
pH
6
5
4
3
2
1
0
18-Aug
25-Aug
1-Sep
8-Sep
15-Sep
22-Sep
29-Sep
6-Oct
13-Oct
20-Oct
27-Oct
3-Nov
10-Nov
17-Nov
24-Nov
1-Dec


UT4-5
Zn (mg/L)
Zn
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov
1-Dec

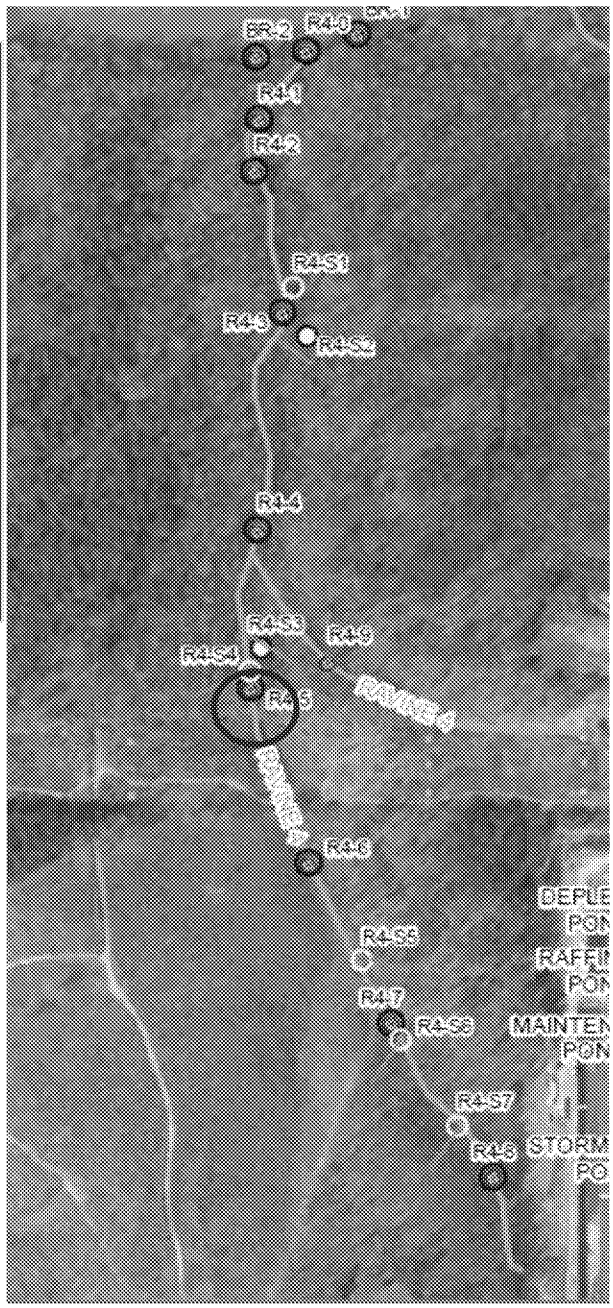
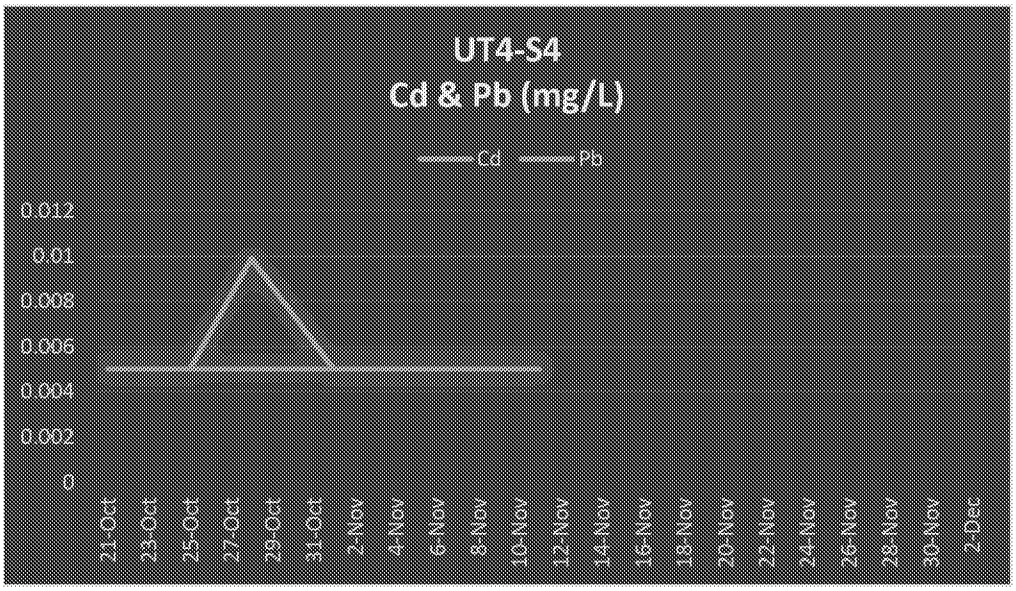
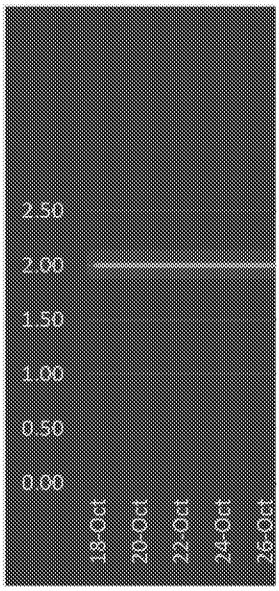
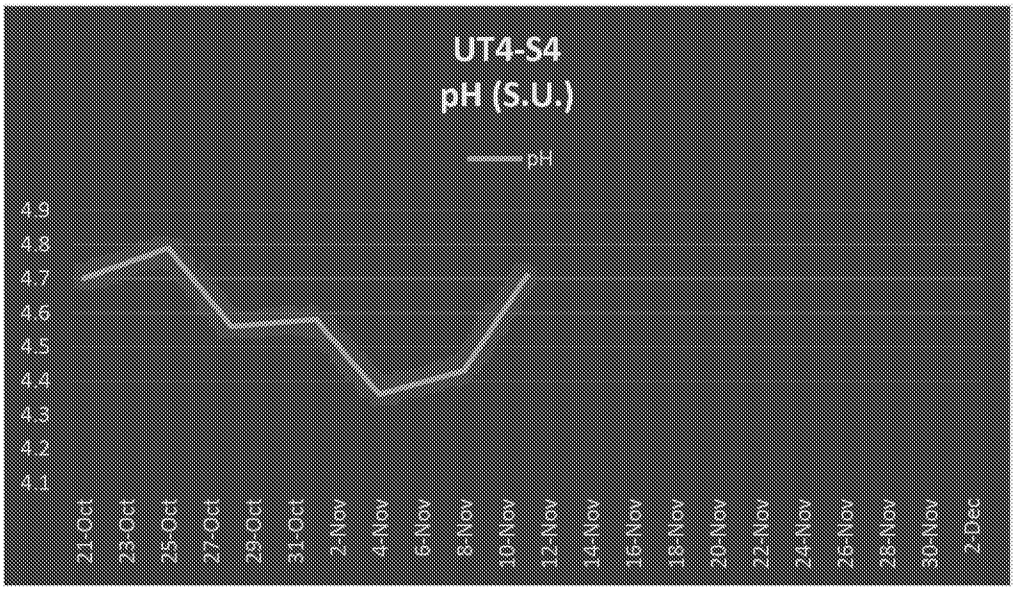
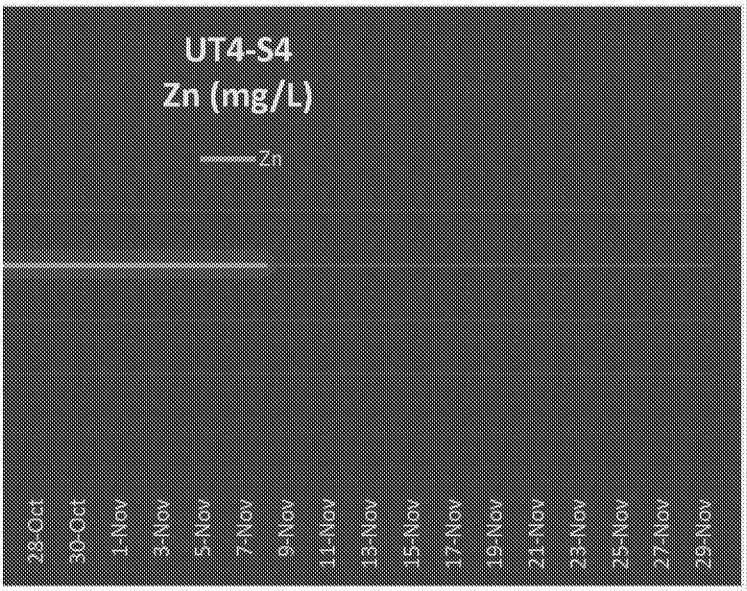

R4-0
R4-1
R4-2
R4-S1
R4-3
R4-S2
R4-4
R4-S3
R4-9
R4-S4
R4-5
RAVINE 4
R4-6
R4-S5
R4-7
R4-S6
R4-S7
R4-8

FIGURE 3
SURFACE WATER AND
SAMPLING LOCAT
AMERICAN ZINC PI


UT4-S4
Cd & Pb (mg/L)
Cd
Pb
0.012
0.01
0.008
0.006
0.004
0.002
0
21-Oct
23-Oct
25-Oct
27-Oct
29-Oct
31-Oct
2-Nov
4-Nov
6-Nov
8-Nov
10-Nov
12-Nov
14-Nov
16-Nov
18-Nov
20-Nov
22-Nov
24-Nov
26-Nov
28-Nov
30-Nov
2-Dec


2.50
2.00
1.50
1.00
0.50
0.00
18-Oct
20-Oct
22-Oct
24-Oct
26-Oct


UT4-S4
pH (S.U.)
pH
4.9
4.8
4.7
4.6
4.5
4.4
4.3
4.2
4.1
21-Oct
23-Oct
25-Oct
27-Oct
29-Oct
31-Oct
2-Nov
4-Nov
6-Nov
8-Nov
10-Nov
12-Nov
14-Nov
16-Nov
18-Nov
20-Nov
22-Nov
24-Nov
26-Nov
28-Nov
30-Nov
2-Dec


UT4-S4
Zn (mg/L)
Zn
28-Oct
30-Oct
1-Nov
3-Nov
5-Nov
7-Nov
9-Nov
11-Nov
13-Nov
15-Nov
17-Nov
19-Nov
21-Nov
23-Nov
25-Nov
27-Nov
29-Nov

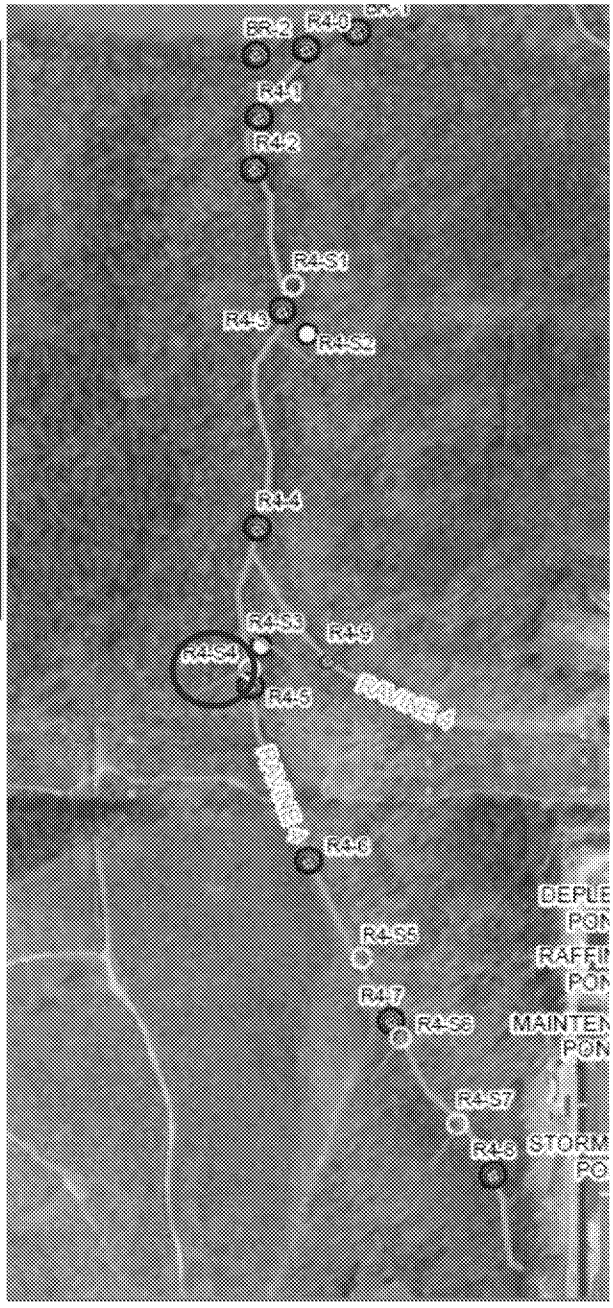
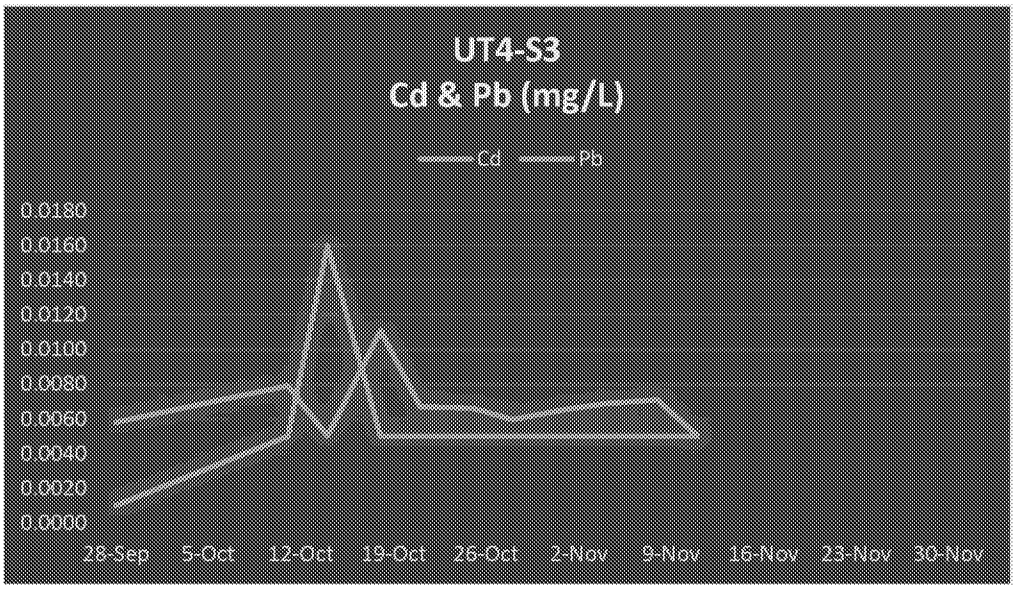
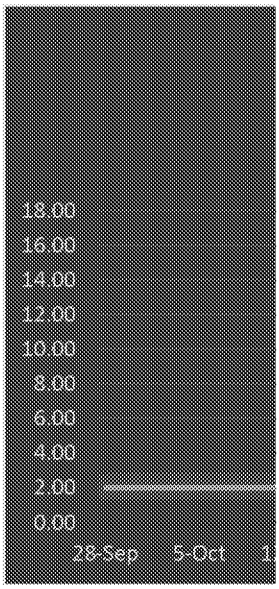
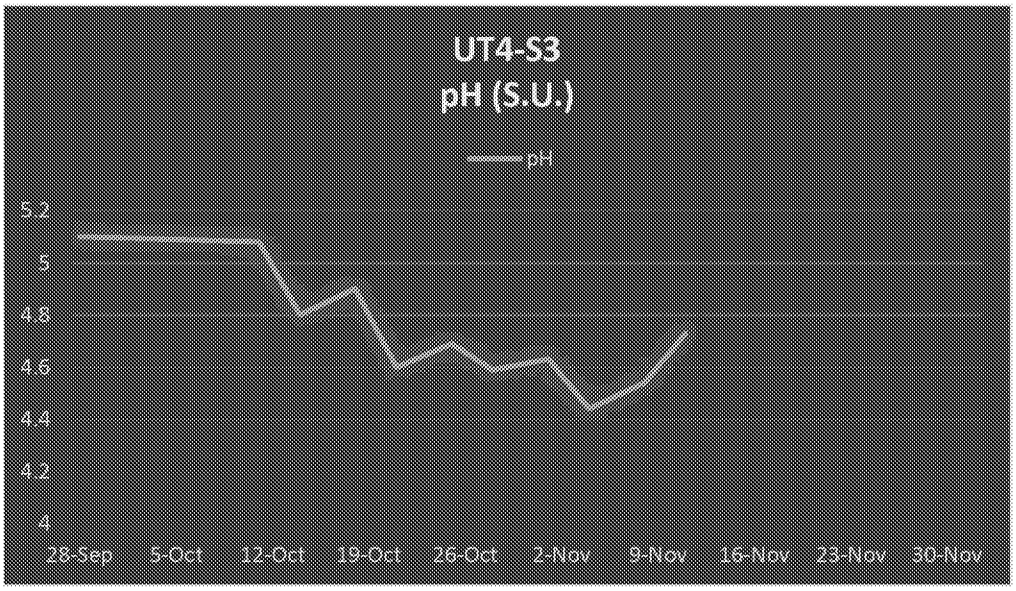
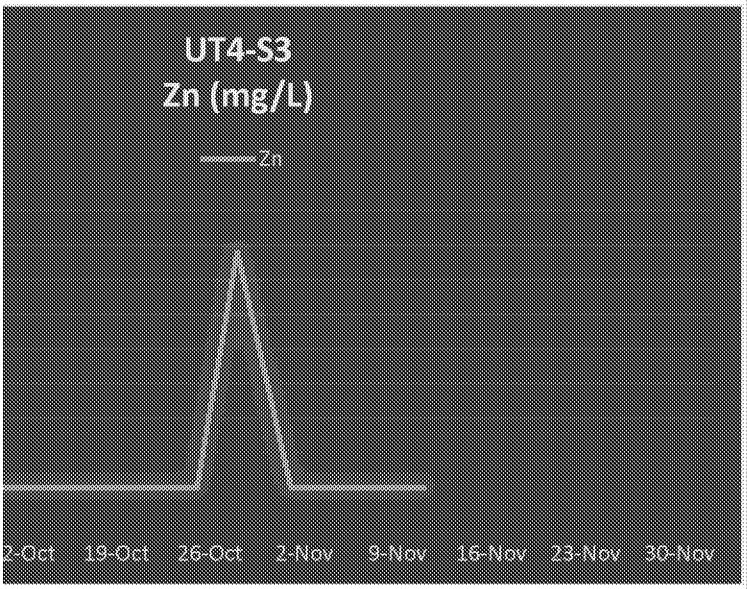

R4-0
R4-1
R4-2
R4-S1
R4-3
R4-S2
R4-4
R4-S3
R4-9
R4-S4
R4-5
RAVINE 4
R4-6
R4-S8
R4-7
R4-S9
R4-S7
R4-8

FIGURE 3
SURFACE WATER AND
SAMPLING LOCAT
AMERICAN ZINC PI


UT4-S3
Cd & Pb (mg/L)
Cd
Pb
0.0180
0.0160
0.0140
0.0120
0.0100
0.0080
0.0060
0.0040
0.0020
0.0000
28-Sep
5-Oct
12-Oct
19-Oct
26-Oct
2-Nov
9-Nov
16-Nov
23-Nov
30-Nov


18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
28-Sep
5-Oct


UT4-S3
pH (S.U.)
pH
5.2
5
4.8
4.6
4.4
4.2
4
28-Sep
5-Oct
12-Oct
19-Oct
26-Oct
2-Nov
9-Nov
16-Nov
23-Nov
30-Nov


UT4-S3
Zn (mg/L)
Zn
2-Oct
19-Oct
26-Oct
2-Nov
9-Nov
16-Nov
23-Nov
30-Nov

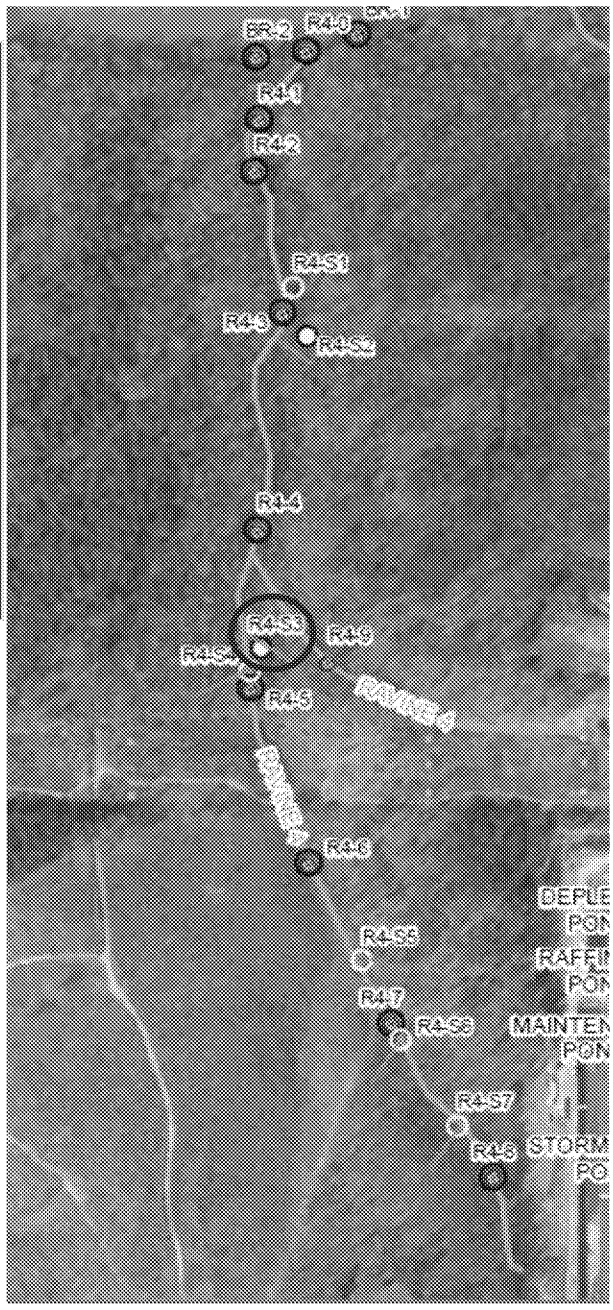

R4-0
R4-1
R4-2
R4-S1
R4-3
R4-S2
R4-4
R4-S3
R4-9
R4-5
RAVINE 4
R4-6
R4-S8
R4-7
R4-S9
R4-S7
R4-8

FIGURE 3
SURFACE WATER AND
SAMPLING LOCAT
AMERICAN ZINC PI