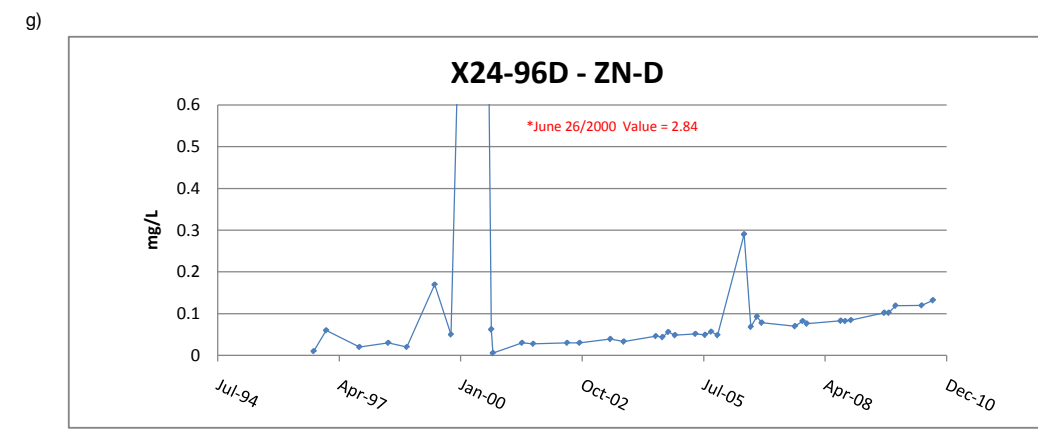
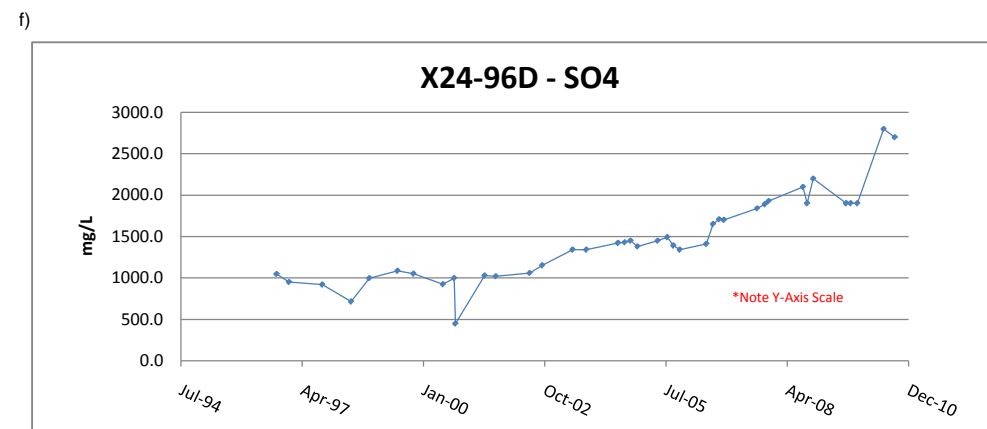
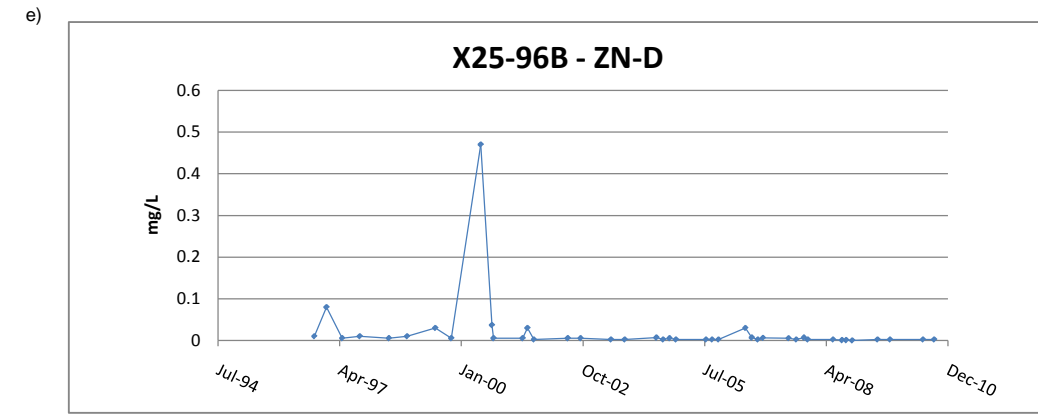
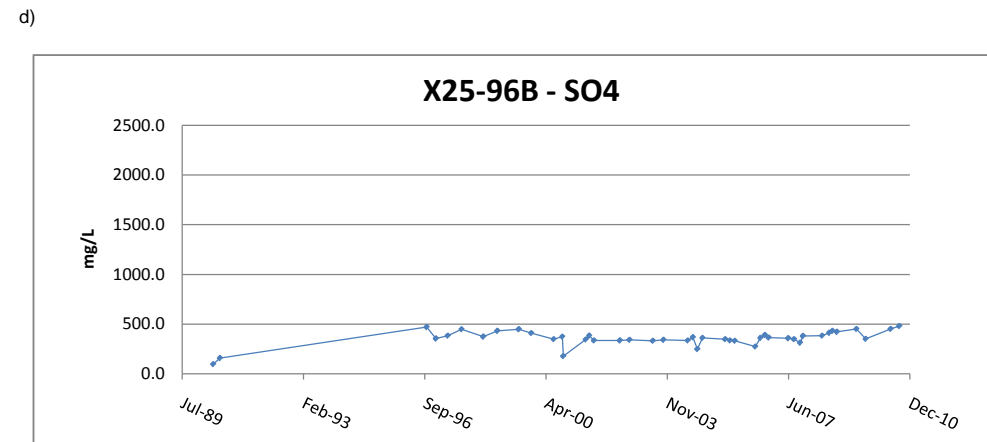
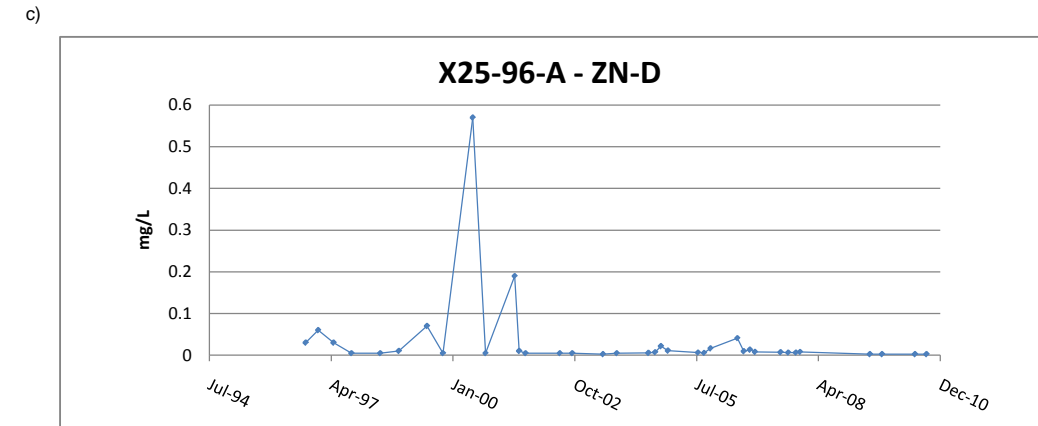
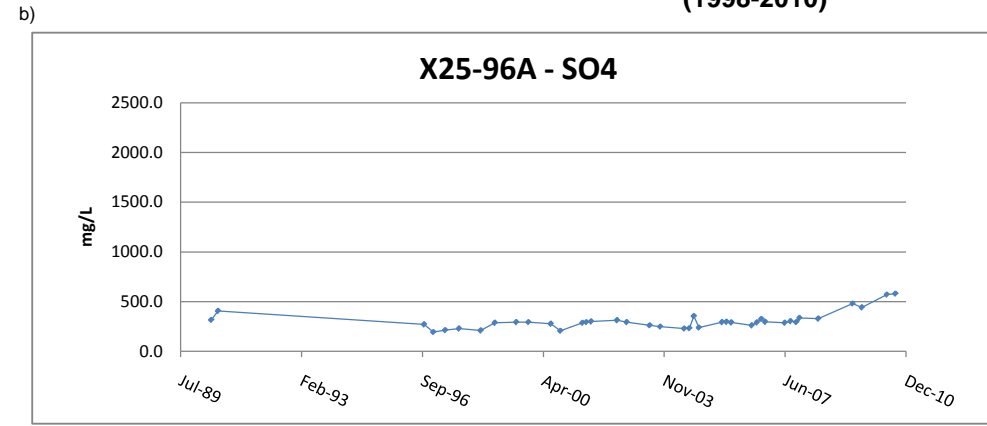
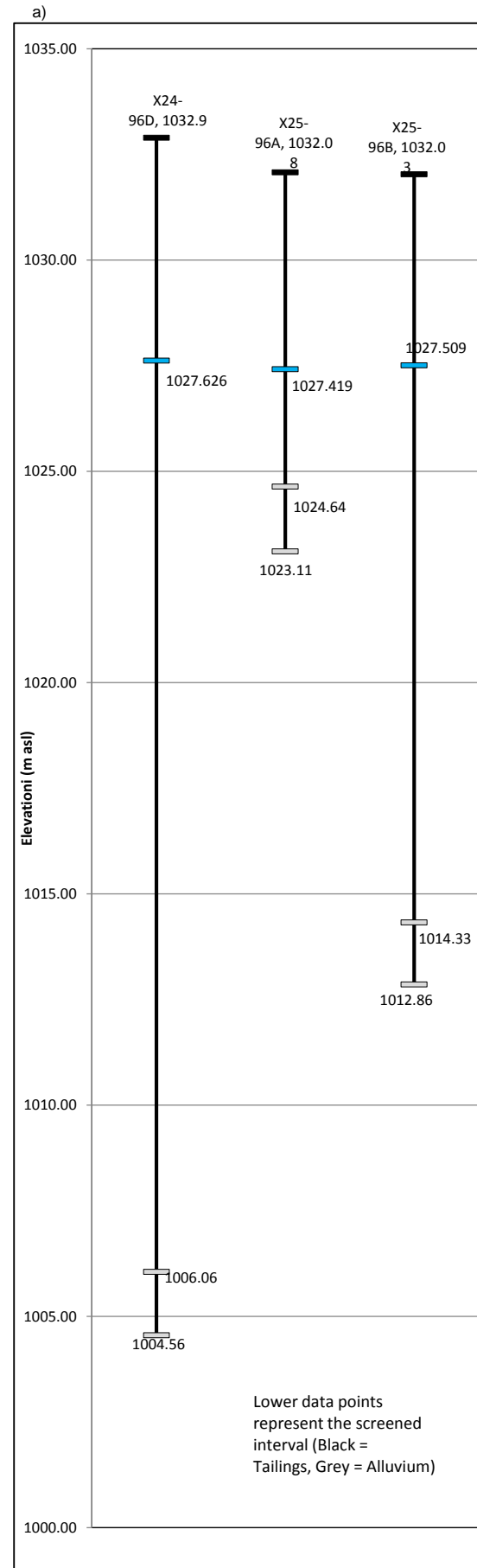


**Figure 2-1: Intermediate Dam  
Zinc and Sulfate Concentrations X24-96D and X25-96A+B  
(1998-2010)**



**Figure 2-2: Secondary Tailings Impoundment  
Zinc and Sulfate Concentrations  
P03-04-2, 4, 6 + 8 (1998-2010)**

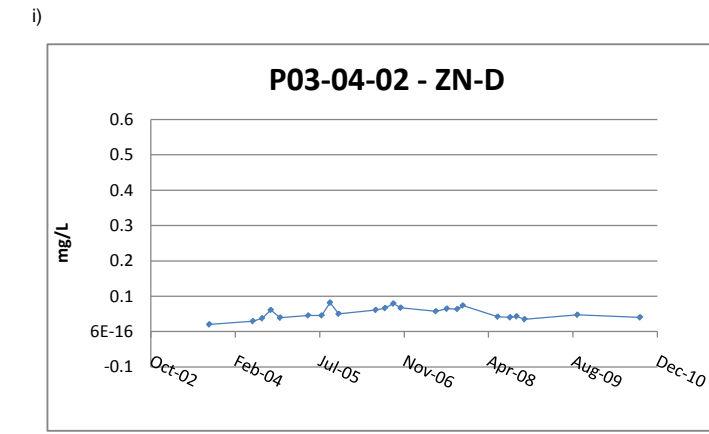
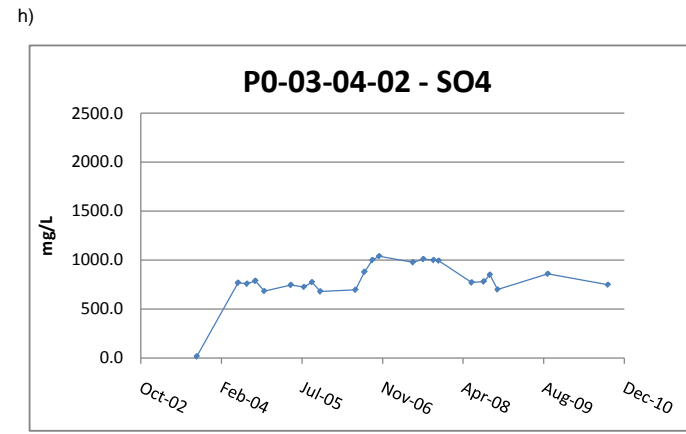
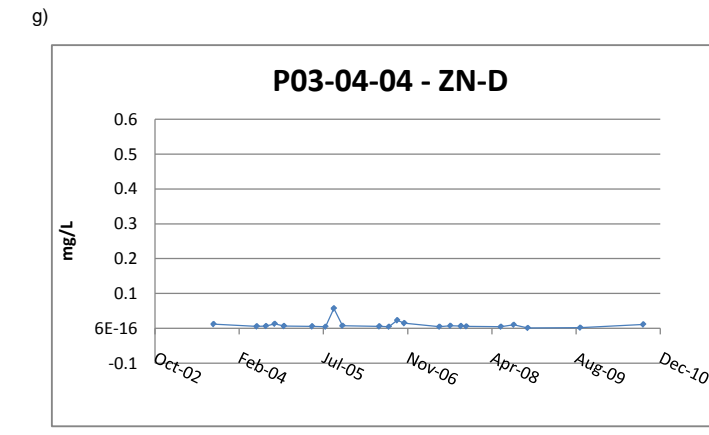
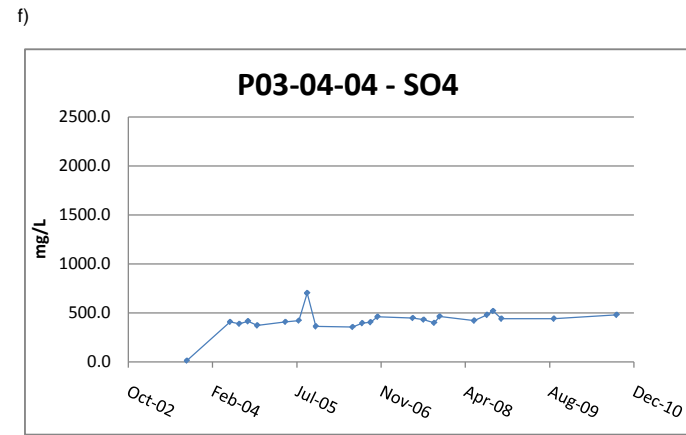
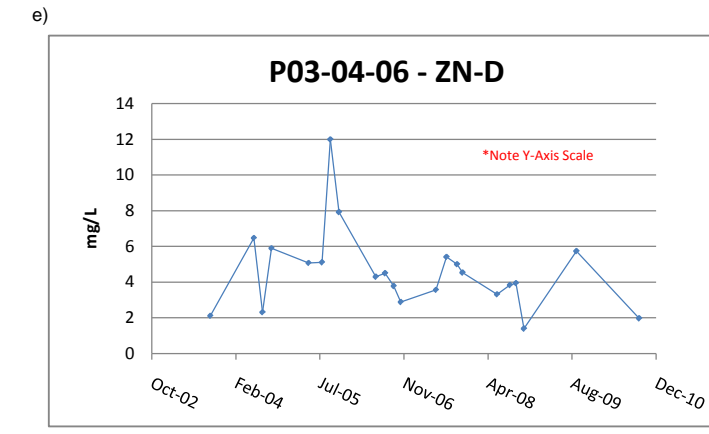
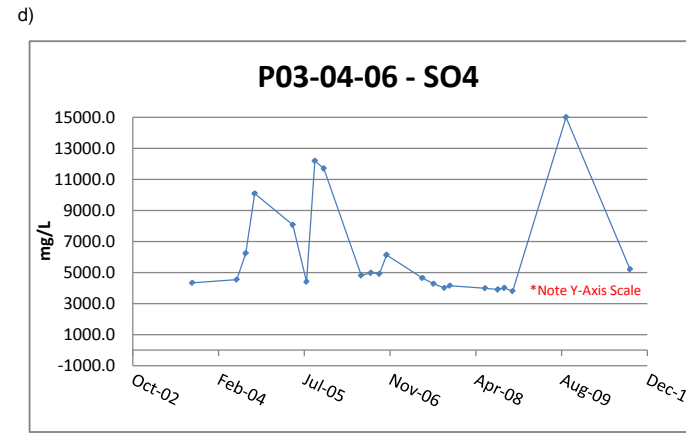
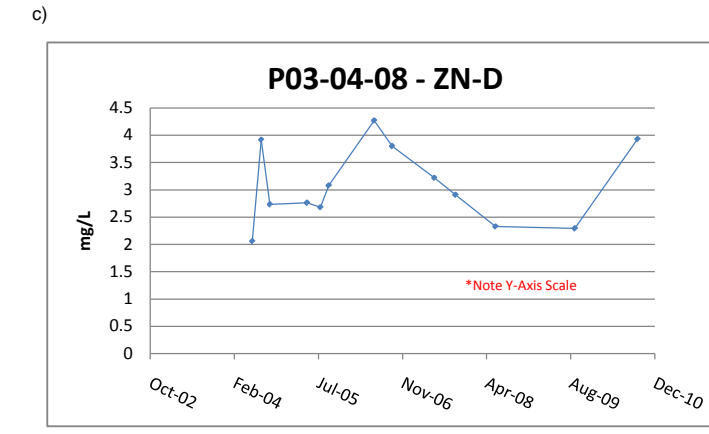
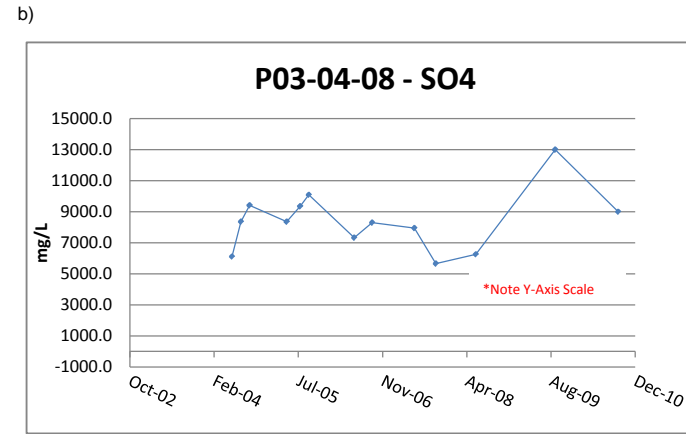
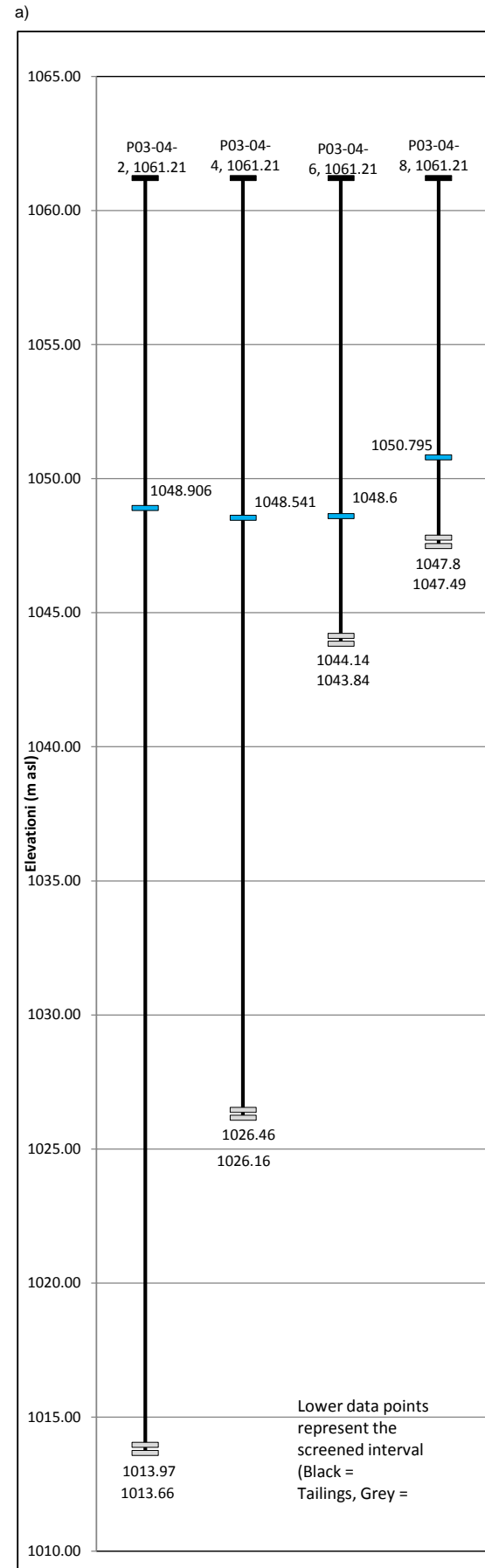
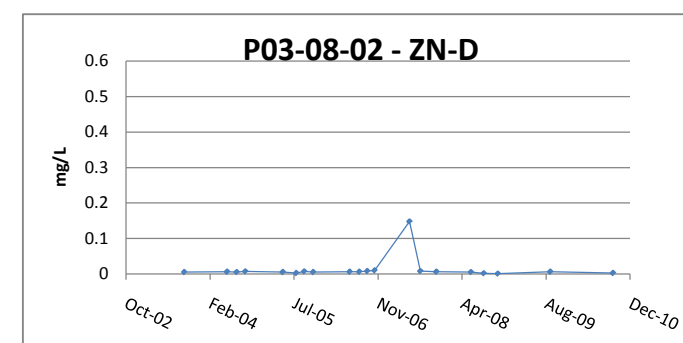
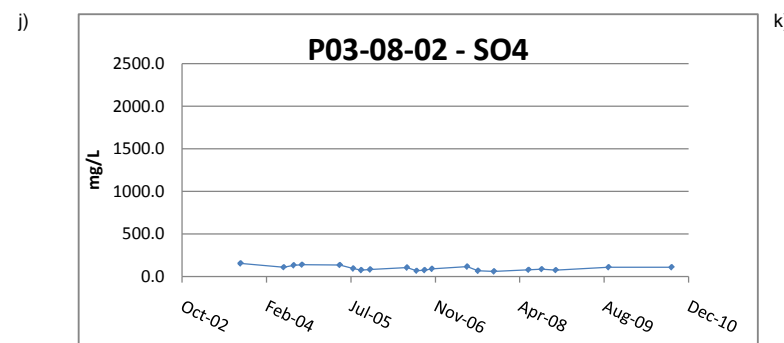
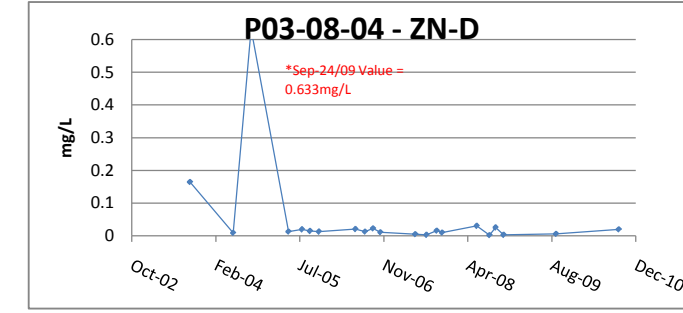
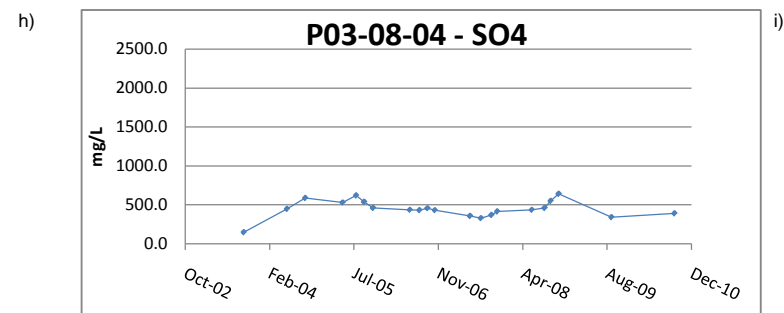
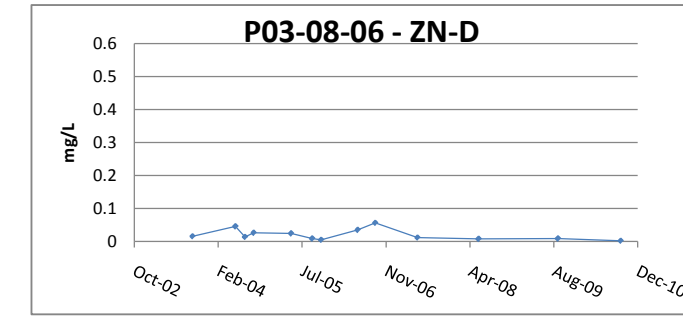
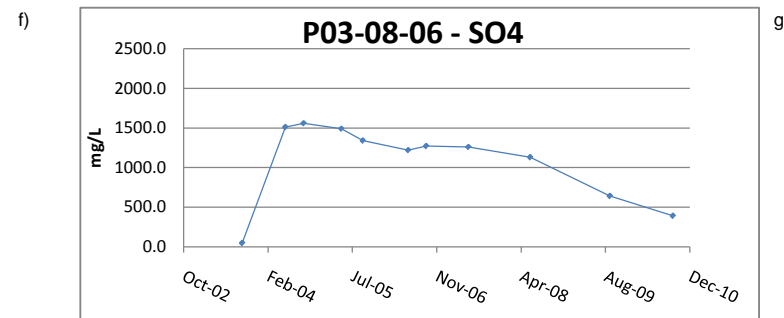
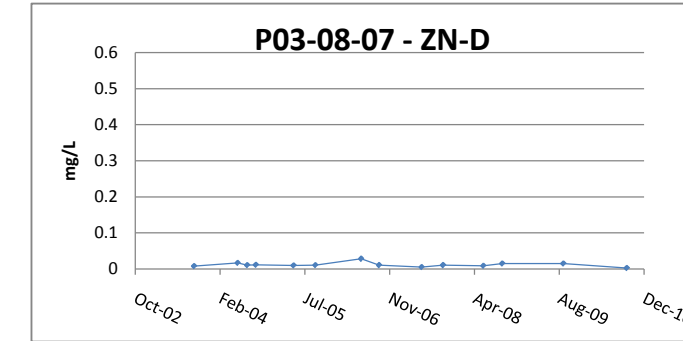
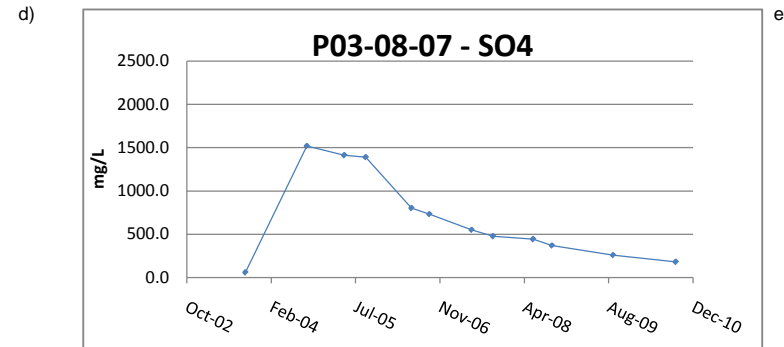
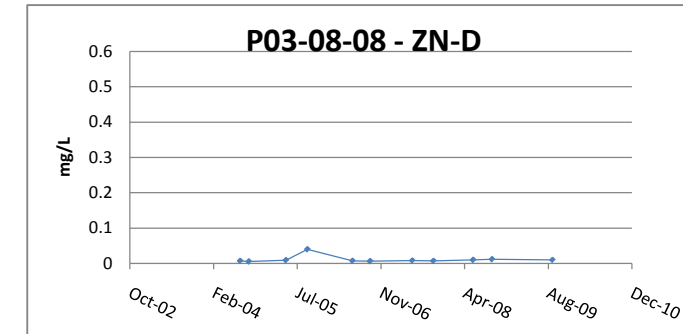
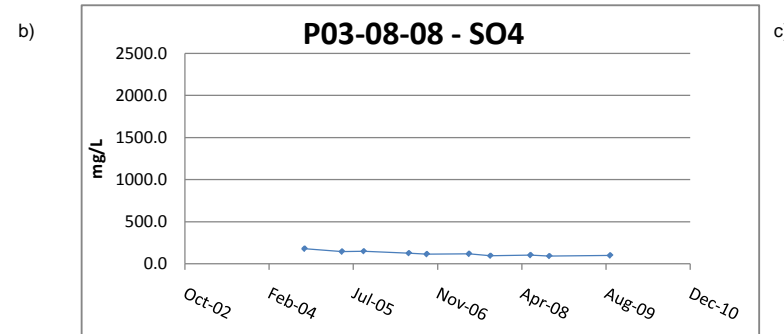
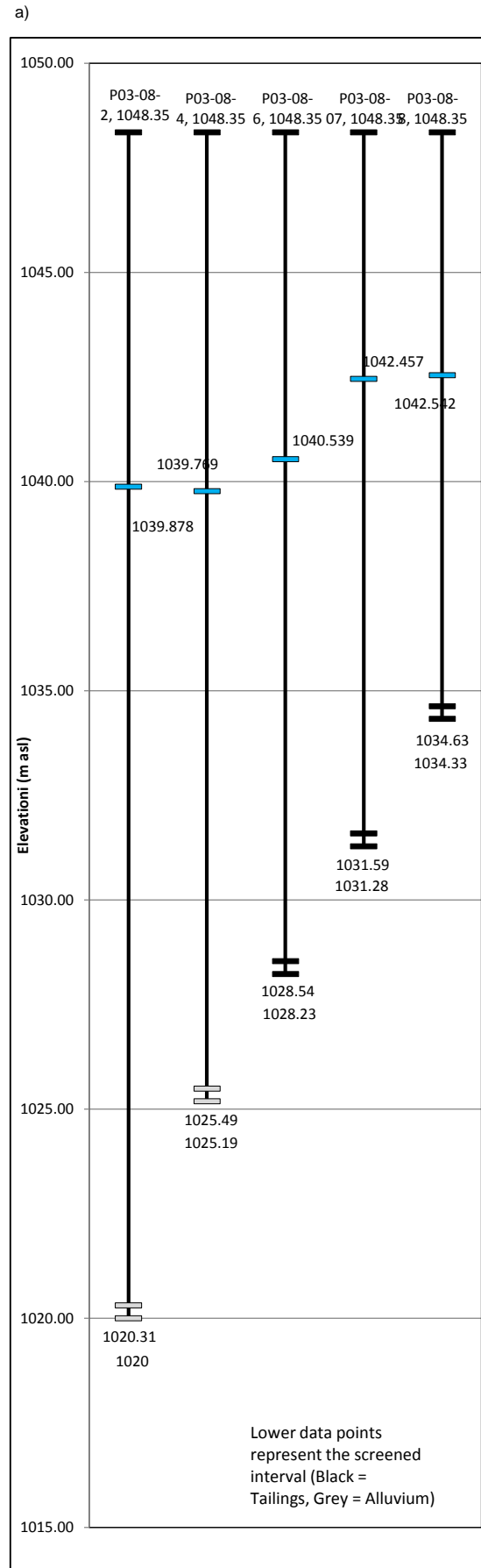


Figure 2-3: Intermediate Tailings Impoundment  
Zinc and Sulfate Concentrations  
P03-08-2, 4, 6, 7 + 8 (1998-2010)



**Figure 2-4: Down Valley  
Zinc and Sulfate Concentrations  
P03-09-2, 4, 6, 8 + 9 (1998-2010)**

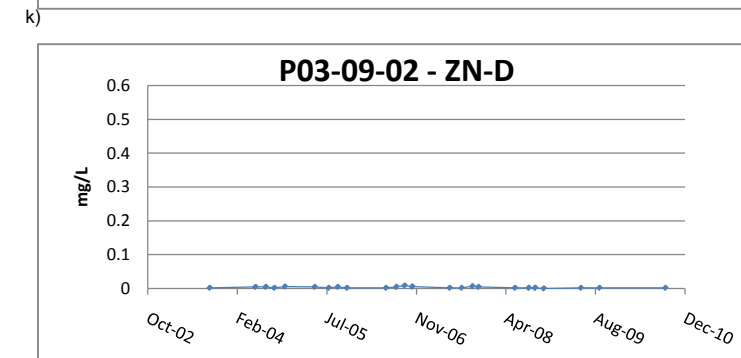
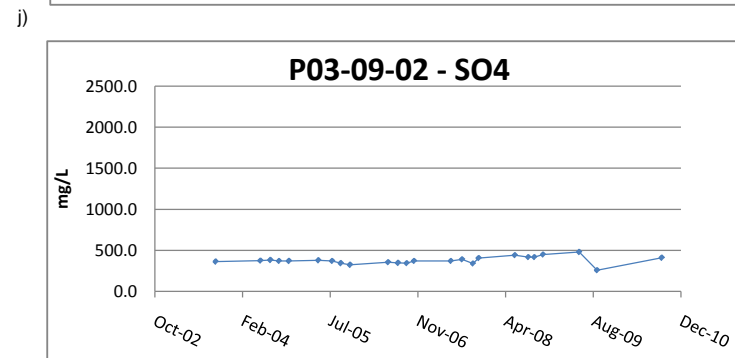
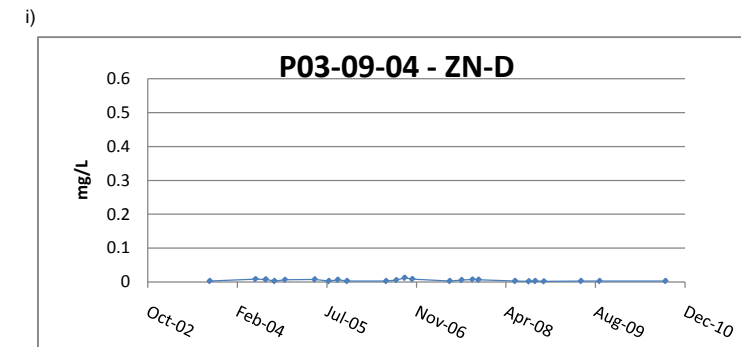
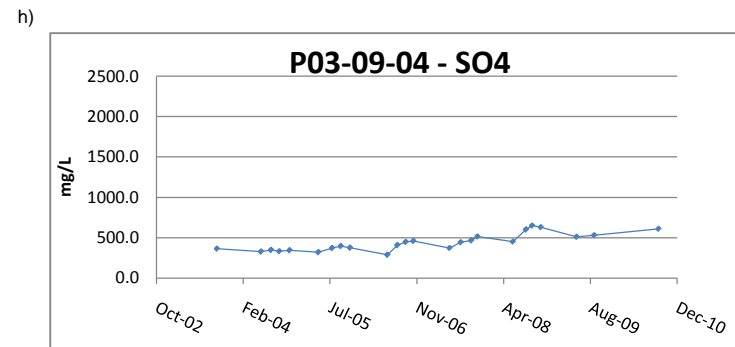
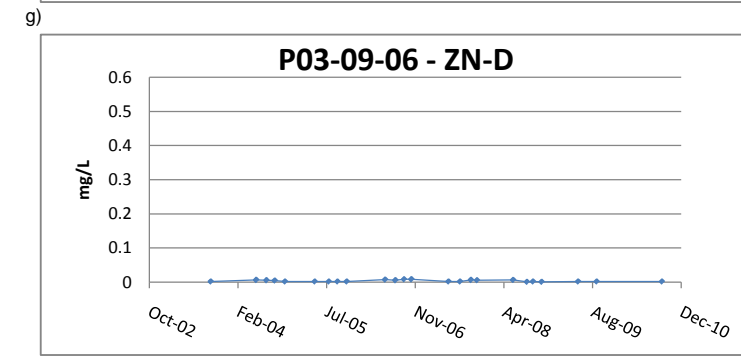
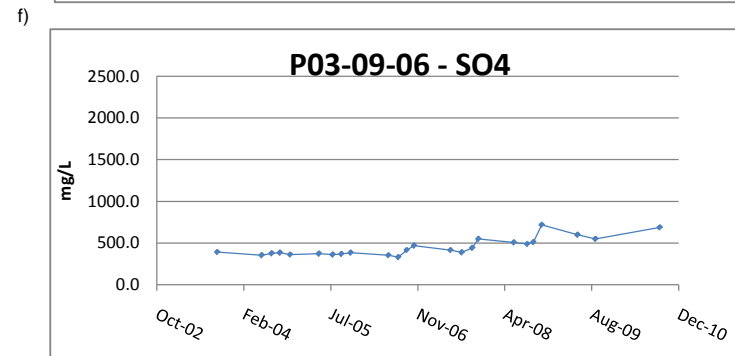
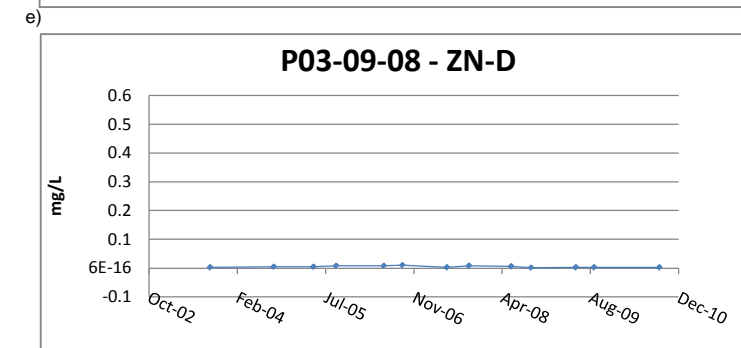
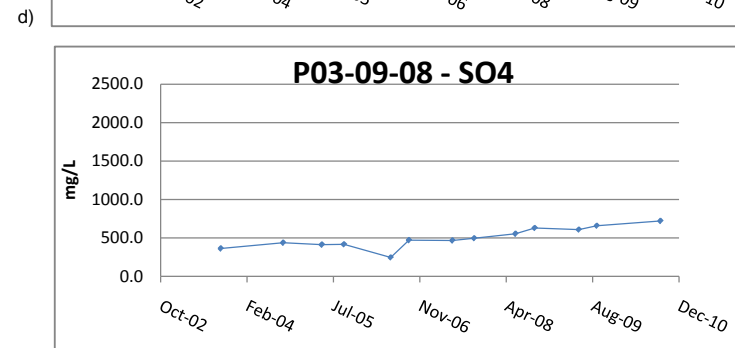
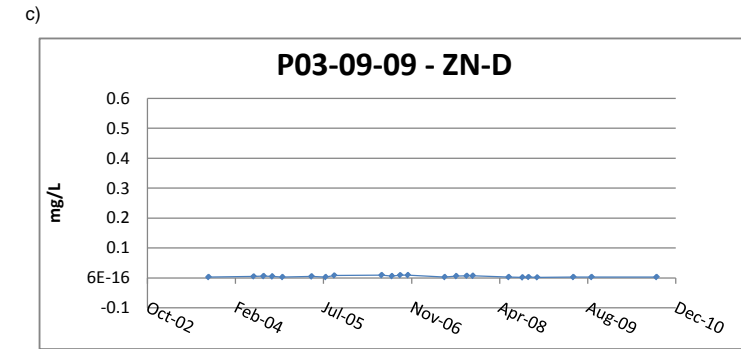
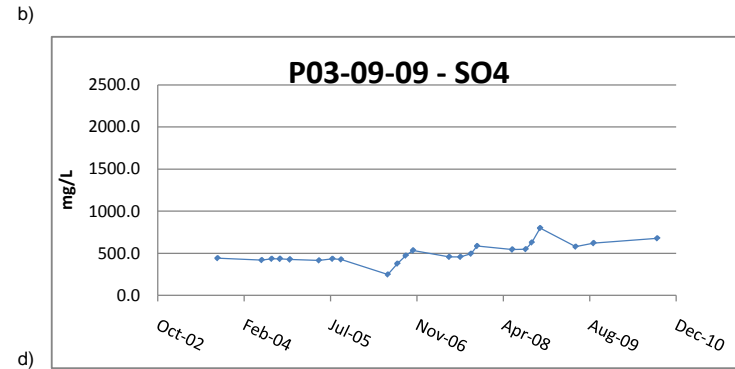
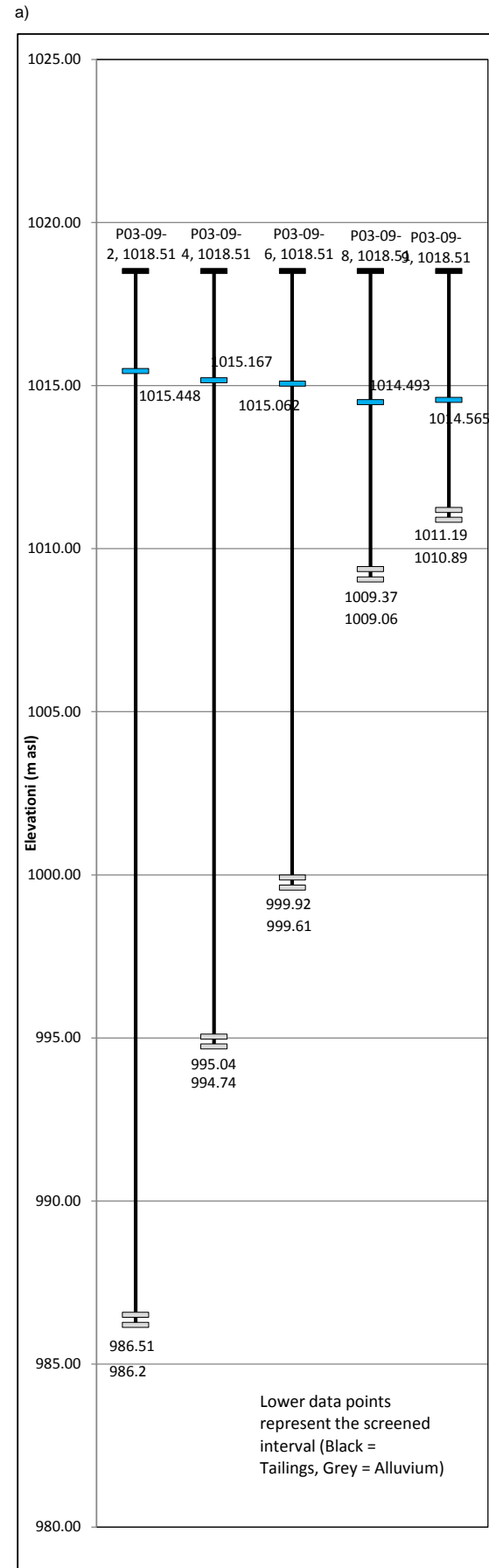
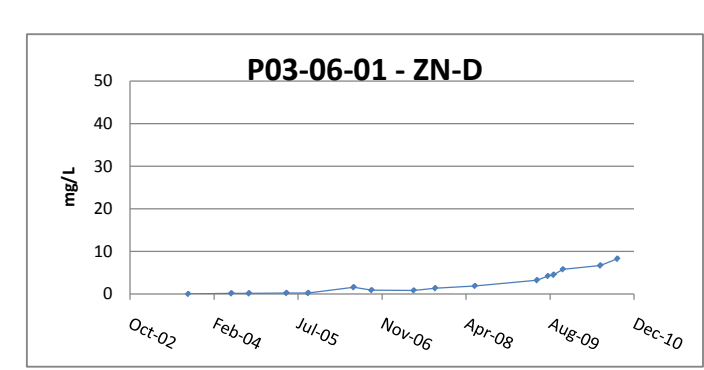
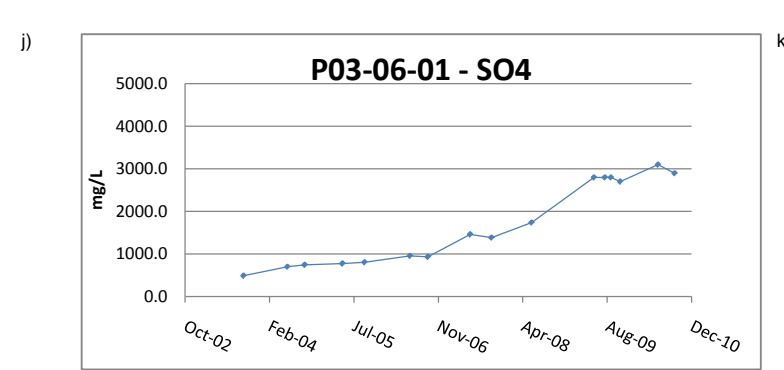
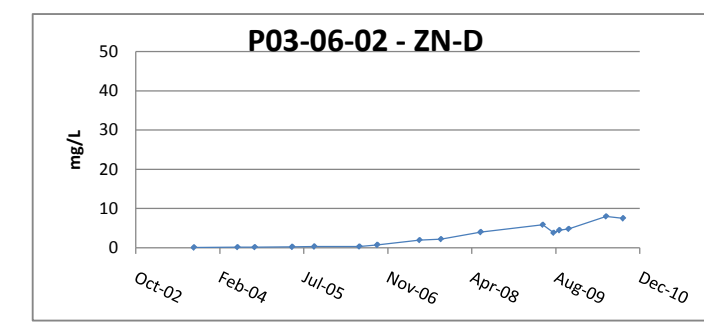
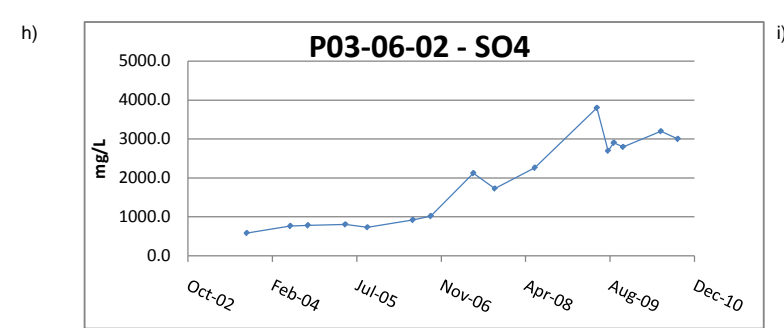
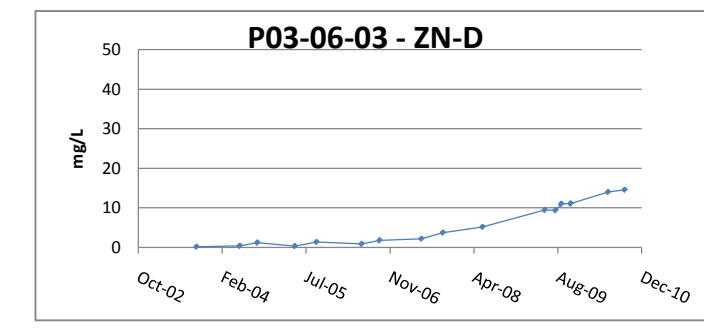
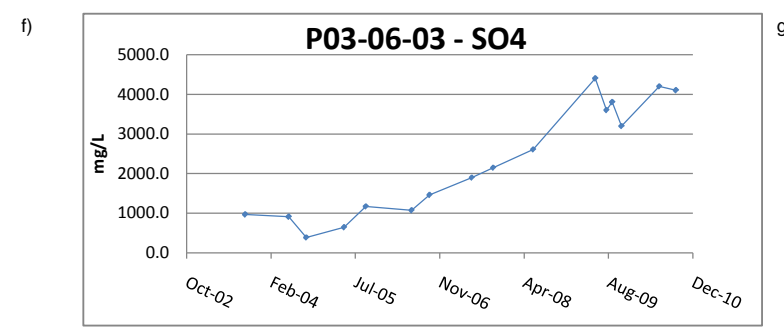
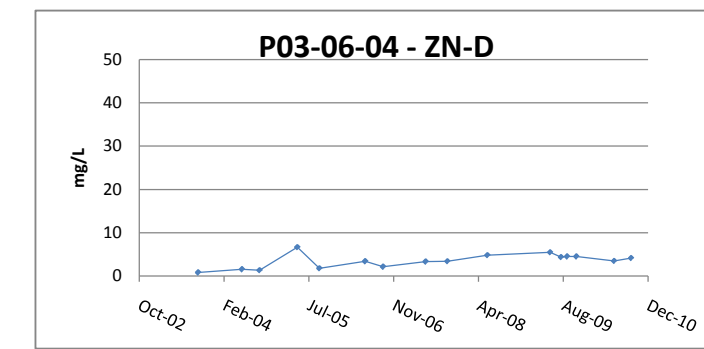
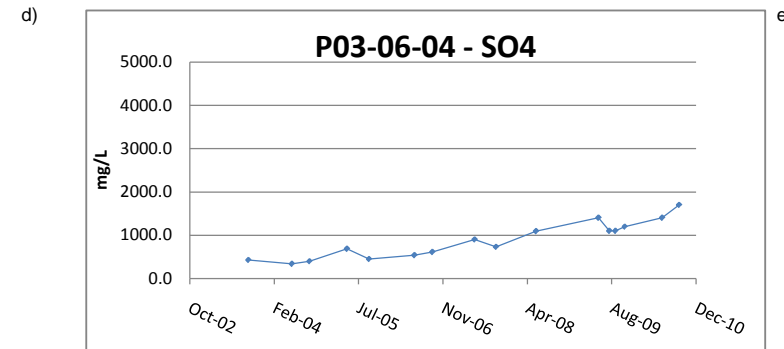
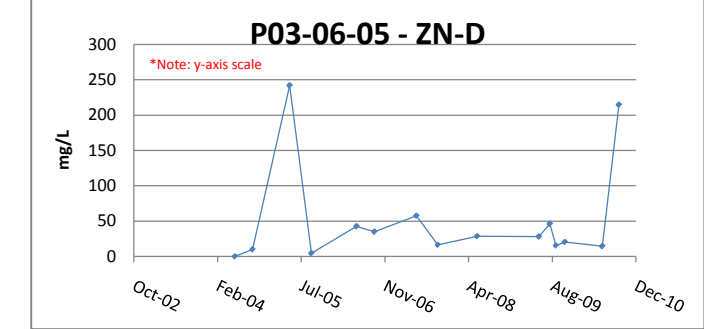
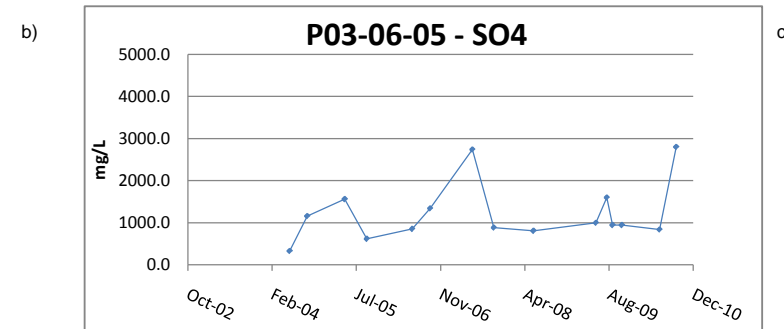
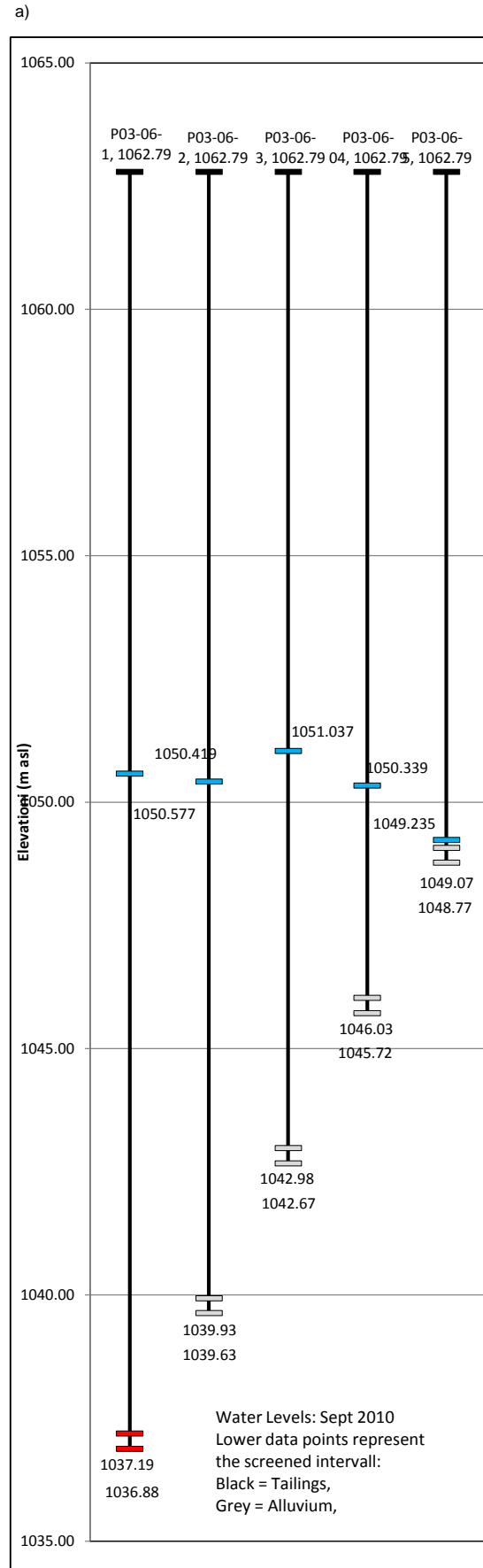
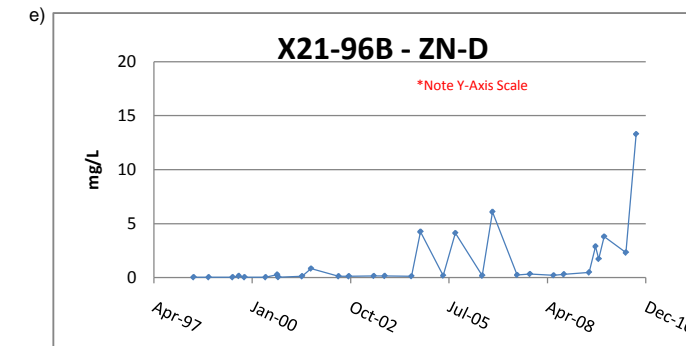
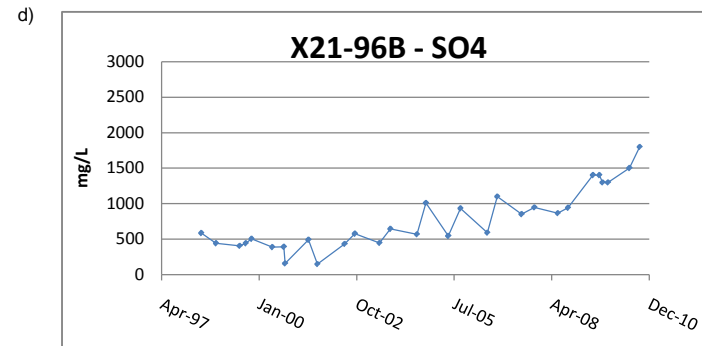
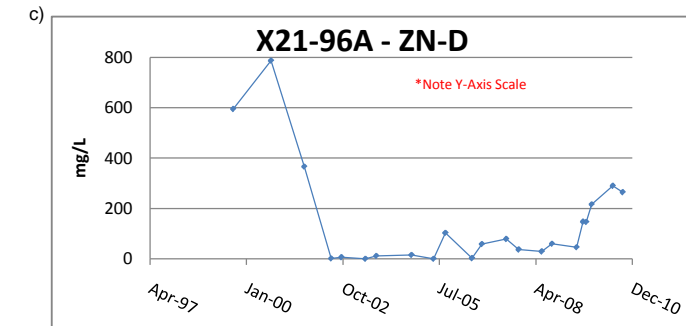
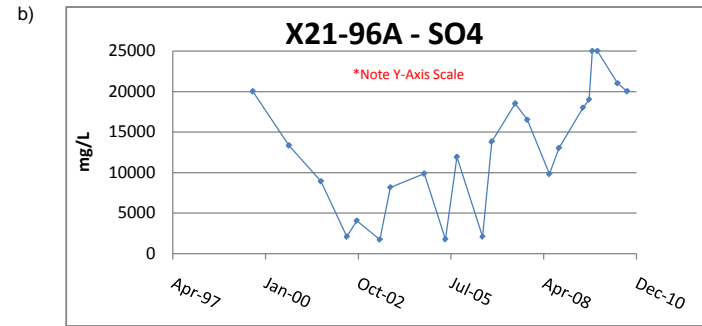
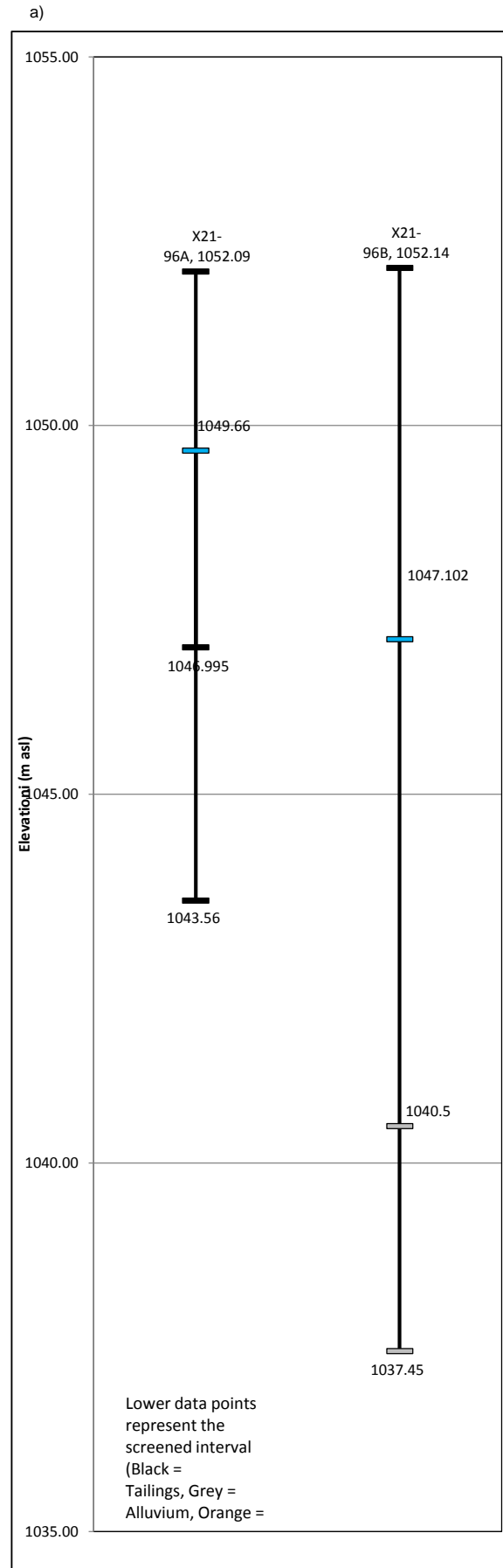


Figure 2-5: Intermediate Tailings Impoundment  
Zinc and Sulfate Concentrations  
P03-06-1, 2, 3, 4 + 5 (1998-2010)

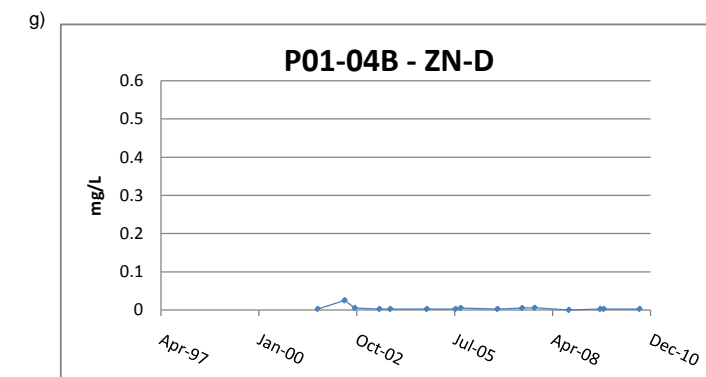
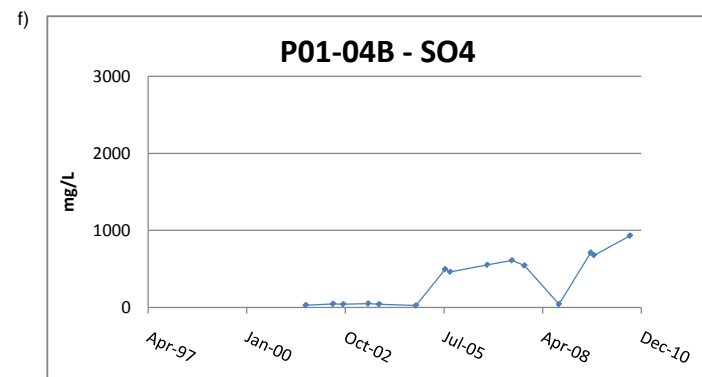
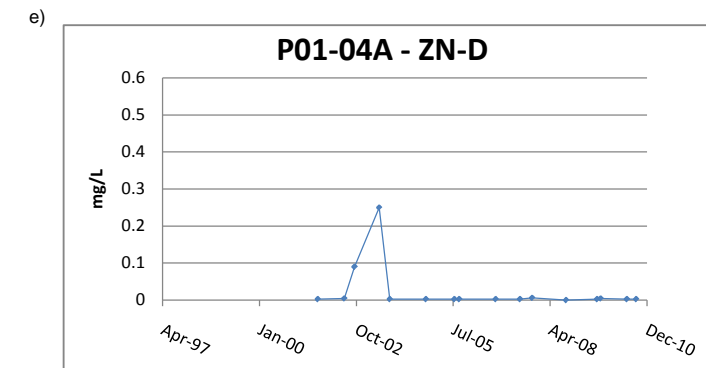
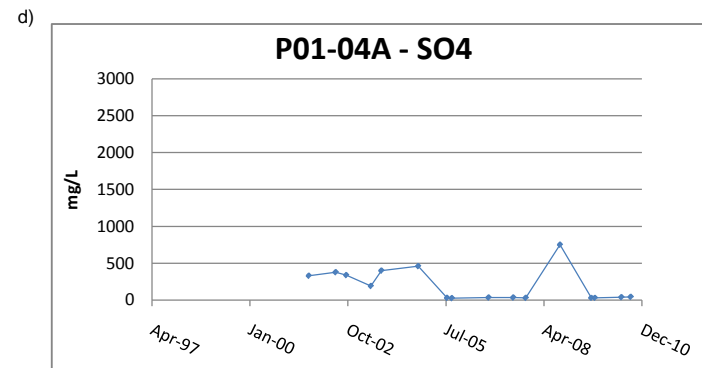
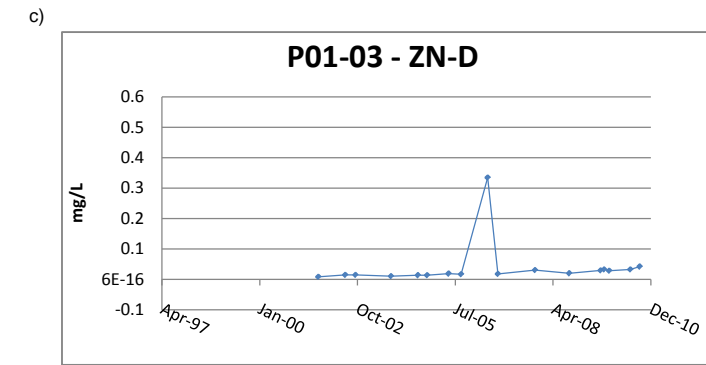
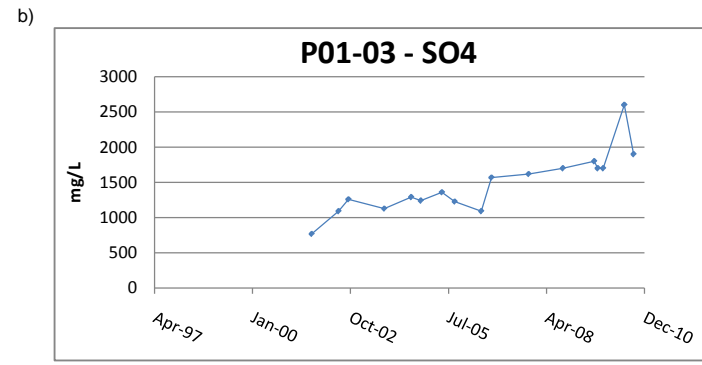
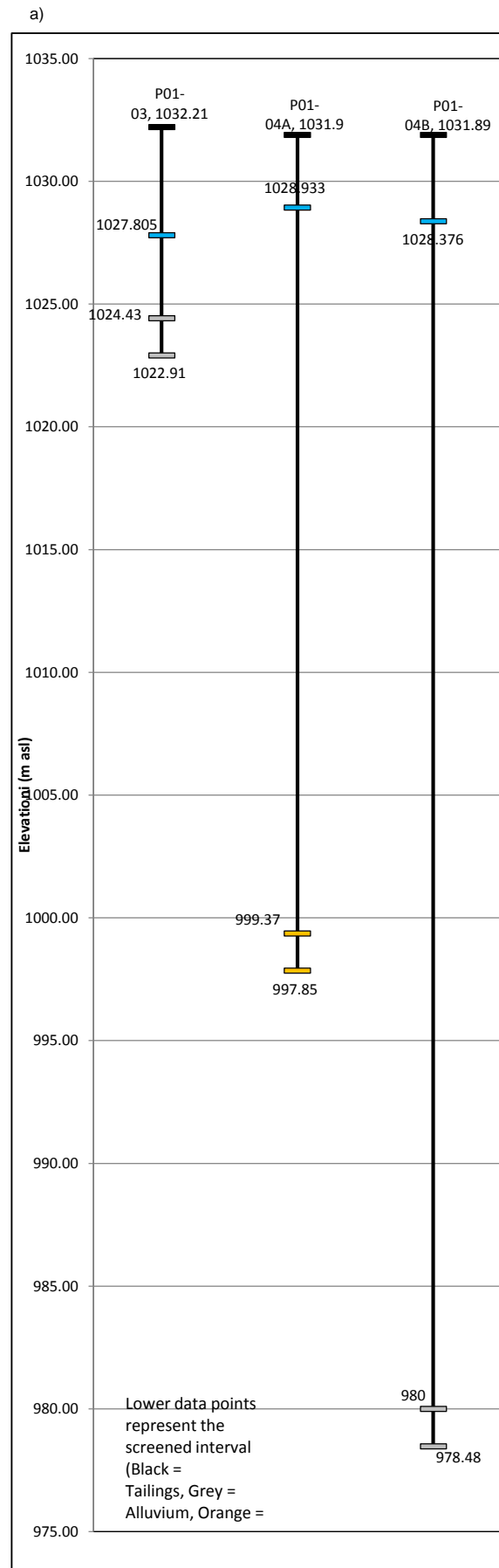


Note: y-axis scale in this figure differ from other figures in this section

**Figure 2-6: Intermediate Impoundment (NE)  
Zinc and Sulfate Concentrations  
X21-96A+B Wells (1998-2010)**



**Figure 2-7: Toe of Intermediate Dam  
Zinc and Sulfate Concentrations  
P01-03, P01-04A+B (1998-2010)**



## Table 2-25: Intermediate Impoundment (NE) Zinc and Sulfate Concentrations X21-96A (1998-2010)

X21-96A - Intermediate Impoundment

	SO4		ZN-D
DATE	mg/L	DATE	mg/L
9/1/1999	20000	9/1/1999	595
9/27/2000	13325	9/27/2000	787.9
9/6/2001	8920	9/6/2001	367
6/12/2002	2070	6/12/2002	2.23
9/26/2002	4070	9/26/2002	6.72
6/4/2003	1730	6/4/2003	1.06
9/23/2003	8170	9/23/2003	12.2
9/23/2004	9840	9/23/2004	16.4
5/10/2005	1760	5/10/2005	0.837
9/11/2005	11900	9/11/2005	104
6/13/2006	2090	6/13/2006	2.99
9/23/2006	13800	9/23/2006	59.3
6/1/2007	18500	6/1/2007	79.2
10/10/2007	16500	10/10/2007	36.9
6/5/2008	9800	6/5/2008	29.5
9/17/2008	13000	9/17/2008	60.9
6/1/2009	18000	6/1/2009	46.6
8/5/2009	19000	8/5/2009	148.000
9/9/2009	25000	9/9/2009	147.000
11/3/2009	25000	11/3/2009	217.000
6/11/2010	21000	6/11/2010	290.000
9/22/2010	20000	9/22/2010	265



## Table 2-26: Intermediate Impoundment (NE) Zinc and Sulfate Concentrations X21-96B (1998-2010)



X21-96B - Intermediate Impoundment

	SO4		ZN-D
DATE	mg/L	DATE	mg/L
6/2/1998	584	6/2/1998	0.01
10/31/1998	440	10/31/1998	0.005
7/3/1999	405	7/3/1999	0.005
9/1/1999	440	9/1/1999	0.12
10/31/1999	504	10/31/1999	0.005
5/31/2000	386	5/31/2000	0.005
9/27/2000	390	9/27/2000	0.244
10/10/2000	158	10/10/2000	0.02
6/7/2001	489	6/7/2001	0.1
9/6/2001	149	9/6/2001	0.828
6/12/2002	434	6/12/2002	0.09
9/26/2002	576	9/26/2002	0.09
6/4/2003	446	6/4/2003	0.136
9/23/2003	644	9/23/2003	0.12
6/22/2004	568	6/22/2004	0.114
9/23/2004	1010	9/23/2004	4.23
5/10/2005	544	5/10/2005	0.166
9/11/2005	931	9/11/2005	4.120
6/13/2006	590	6/13/2006	0.160
9/23/2006	1100	9/23/2006	6.070
6/1/2007	851	6/1/2007	0.224
10/10/2007	947	10/10/2007	0.321
6/5/2008	867	6/5/2008	0.206
9/17/2008	940	9/17/2008	0.28
6/1/2009	1400	6/1/2009	0.452
8/5/2009	1400	8/5/2009	2.86
9/9/2009	1300	9/9/2009	1.71
11/3/2009	1300	11/3/2009	3.79
6/11/2010	1500	6/11/2010	2.29
9/22/2010	1800	9/22/2010	13.3
DLs at half value			

## Table 2-27: Toe of Intermediate Dam Zinc and Sulfate Concentrations P01-03 (1998-2010)

P01-03 - Toe of Intermediate Dam

	SO4		ZN-D
DATE	mg/L	DATE	mg/L
9/10/2001	769	9/10/2001	0.009
6/12/2002	1090	6/12/2002	0.015
9/23/2002	1260	9/23/2002	0.015
9/22/2003	1130	9/22/2003	0.011
6/22/2004	1290	6/22/2004	0.0134
9/28/2004	1240	9/28/2004	0.014
5/4/2005	1360	5/4/2005	0.0188
9/9/2005	1230	9/9/2005	0.0172
6/8/2006	1090	6/8/2006	0.335
9/21/2006	1570	9/21/2006	0.0186
10/4/2007	1620	10/4/2007	0.0308
9/17/2008	1700	9/17/2008	0.0201
8/4/2009	1800	8/4/2009	0.03
9/9/2009	1700	9/9/2009	0.033
11/3/2009	1700	11/3/2009	0.029
6/7/2010	2600	6/7/2010	0.033
9/9/2010	1900	9/9/2010	0.042
	DLs at half value		

## Table 2-28: Toe of Intermediate Dam Zinc and Sulfate Concentrations P01-04A (1998-2010)

P01-04A - Toe of Intermediate Dam

	SO4		ZN-D
DATE	mg/L	DATE	mg/L
9/10/2001	331	9/10/2001	0.0025
6/12/2002	377	6/12/2002	0.005
9/27/2002	338	9/27/2002	0.09
6/6/2003	191	6/6/2003	0.25
9/23/2003	399	9/23/2003	0.0025
9/30/2004	460	9/30/2004	0.0025
7/21/2005	31.8	7/21/2005	0.0025
9/10/2005	26	9/10/2005	0.0025
9/21/2006	34	9/21/2006	0.0025
5/31/2007	34.3	5/31/2007	0.0025
10/4/2007	31.2	10/4/2007	0.007
9/17/2008	750	9/17/2008	0
8/4/2009	33	8/4/2009	0.0025
9/9/2009	32	9/9/2009	0.005
6/7/2010	40	6/7/2010	0.0025
9/9/2010	44	9/9/2010	0.0025
DLs at half value			

## Table 2-29: Toe of Intermediate Dam Zinc and Sulfate Concentrations P01-04B (1998-2010)

P01-04B - Toe of Intermediate Dam

	SO4		ZN-D
DATE	mg/L	DATE	mg/L
9/10/2001	30	9/10/2001	0.0025
6/12/2002	46	6/12/2002	0.025
9/24/2002	44	9/24/2002	0.005
6/3/2003	50	6/3/2003	0.0025
9/23/2003	43	9/23/2003	0.0025
9/30/2004	26.7	9/30/2004	0.0025
7/21/2005	494	7/21/2005	0.0025
9/10/2005	463	9/10/2005	0.0056
9/21/2006	555	9/21/2006	0.0025
5/31/2007	613	5/31/2007	0.0053
10/4/2007	546	10/4/2007	0.0063
9/17/2008	41	9/17/2008	0.0002
8/4/2009	710	8/4/2009	0.0025
9/9/2009	680	9/9/2009	0.0025
9/9/2010	930	9/9/2010	0.0025
DLs at half value			