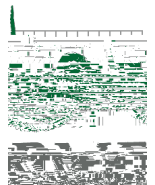


Annual Groundwater Monitoring and Corrective Action Report

**CPS Energy
Calaveras Power Station – Evaporation Pond
San Antonio, Texas**

January 2021

www.erm.com



- Nine well-

TOC Elevation	513.63	TOC Elevation	2-6.63	TOC Elevation	22.273	TOC Elevation
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12/6/16 to 12/8/16	2/21/17 to 2/23/17	3/28/17 to 3/30/17	5/2/17 to 5/4/17	6/20/17 to 6/21/17	7/25/17 to 7/26/17	013 004 6673 (7 t42 E-64	Upgradient Monitoring	14	X	X	X	Upgradient Monitoring	4

N/A:
Indicates that a sample was collected.

- (1) E-47 was re-sampled on 2/28/2017.
- (2) Sample was not collected at E-63 during event 5 (June 2017), due to the well going dry during sampling activities.
- (3) Sample was not collected at E-63 during

TABLE 3
 Groundwater Analytical Results Summary
 CPS Energy - Calaveras Power Station
 Evaporation Pond

12/8/16	2/28/17	3/29/17	5/3/17	6(17)-48646 Sulfate	mg/L	213 D	267 D	369 D	299	266 D	248 JH	284 D	171	236		
pH Field Collected		SU	582	583	575	600	575	585	590	593	591	572	592	458	587	588
Total dissolved solids		mg/L	811	922	1170	1060	979	806 JH	904	677	787	727	1240	665	772	7

Appendix IV - Assessment Monitoring

TABLE 3
 Groundwater Analytical Results Summary
 CPS Energy - Calaveras Power Station
 Evaporation Pond

Constituents	Unit
Appendix III - Detection Monitoring	
Boron	mg/L
Calcium	mg/L
Chloride	mg/L

7

mid

715.112(ium)-.927.d2(m)-1.2(g)-2.3(L)JT:0906 Tq(C)8.odm(r)-8.5(ium)-0327.d2(m)-5.2(g)-6.3(L)JT:0006 Tq)-1heL
 Cit1242697.9(m)-5.2(g)-6.3(L)JT:0077 TdFe

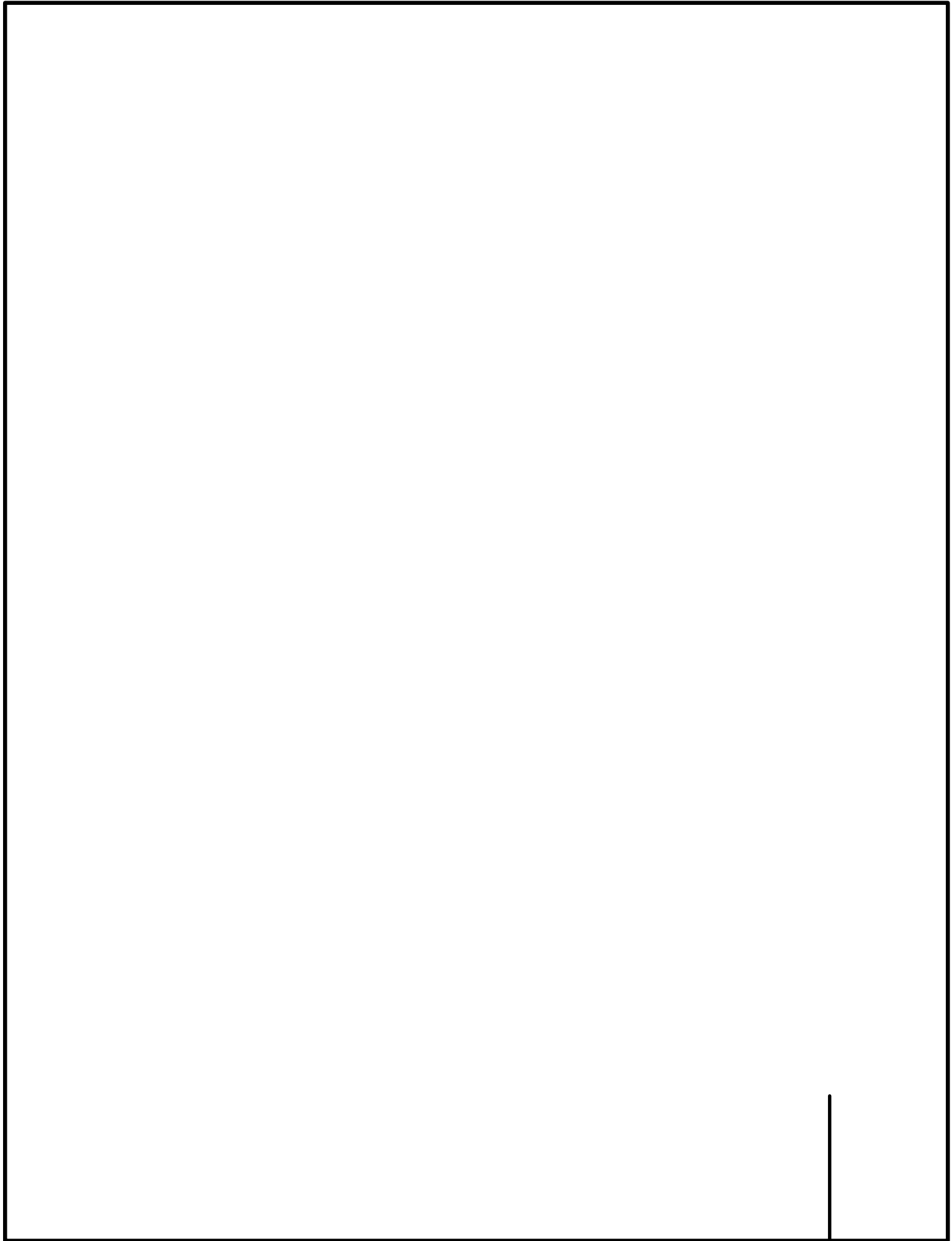
mg/L

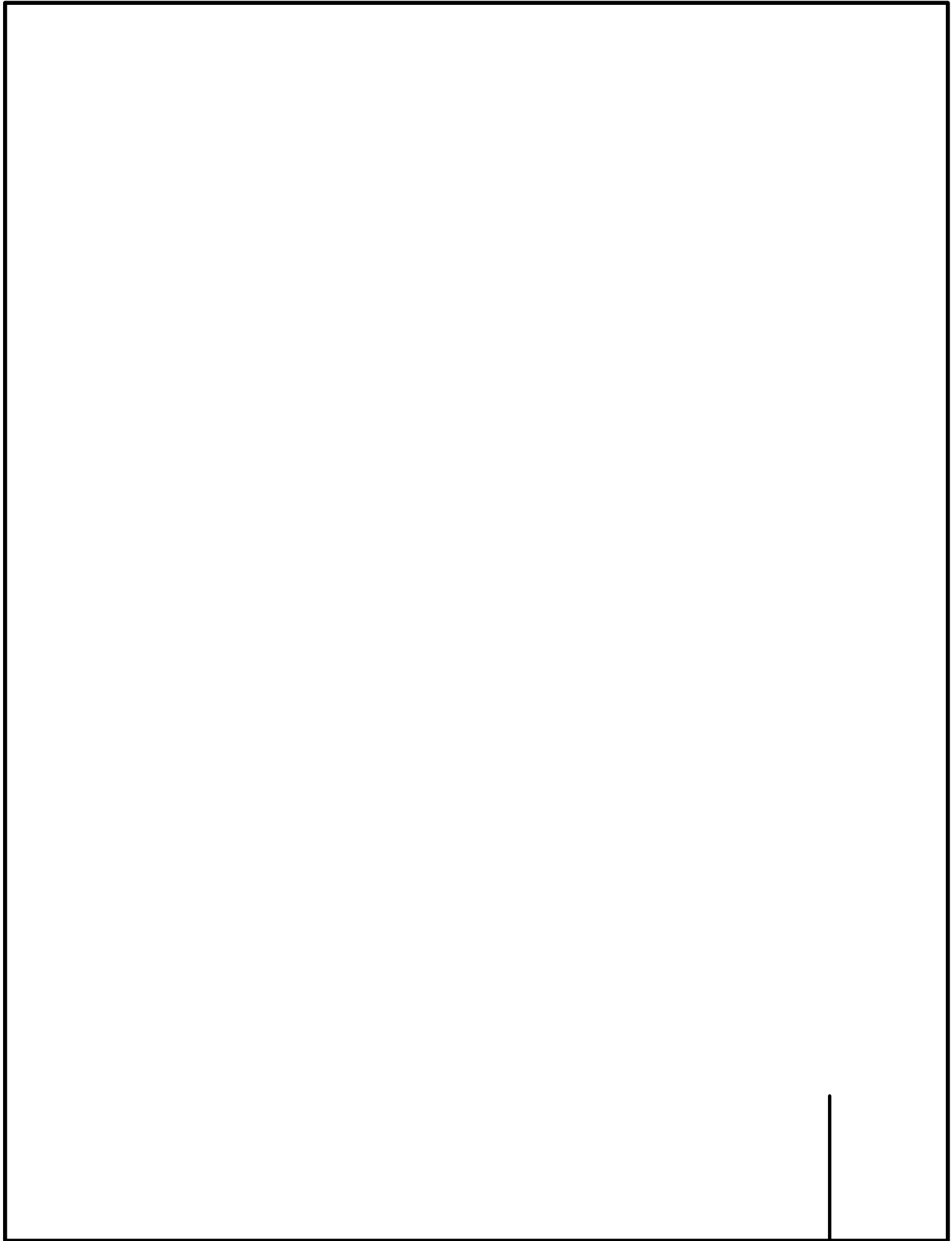
tical R1) SapTJ3/Te not.0084(cv)-24doTJ3/TTg/tion Pond
 tx -8.26.y(e)- indiT 1 t Lions 1 t i-17874(1 t uTct Litg/65214ds An7.015)U774d3: Litg/ s 1 t L not.0086(det Litg/ T)t Litg/g/ lab5219 -6.6dorstaEvd6ng liergyry

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station

TABLE 3
Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Evaporation Pond

Constituents	Unit
Appendix III - Detection Monitoring	
Boron	mg/L
Calcium	mg/L
Chloride	mg/L
Fluoride	mg/L





Analyte

N

Num

Analyte	Well	Units	N	Num Detects	Percent Detect	Min ND	Max ND	Min Detect	Median	Mean	Max Detect	SD	CV	Distribution
Boron	JKS-47	mg/L	14	14	100.00%			0.59	0.82	0.827	1.05	0.115	0.13943233	Normal
Boron	JKS-63	mg/L	11	11	100.00%			0.8	1.06	1.14	2.03	0.333	0.29220418	Lognormal
Boron	JKS-64	mg/L	14	14	100.00%			0.711	0.836	0.848	1.14	0.108	0.12718512	Lognormal

Analyte	UPL Type	Well	N	Num Detects	Percent
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Analyte	UPL Type	Trend	Well	N	Num Detects	Percent Detects	LPL	UPL	Units	ND Adjustment	Transformation	Alpha	Method	Final LPL	Final UPL
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Analyte	Well	LPL	UPL	Units	Recent Date	Observation	Obs > UP
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Appendix B – Figure 1
Unit: Evaporation Pond
Boxplots of Upgradient Wells

Appendix B – Figure 2

Appendix B – Figure 2
Unit: Evaporation Pond
QQ Plots of Upgradient Wells

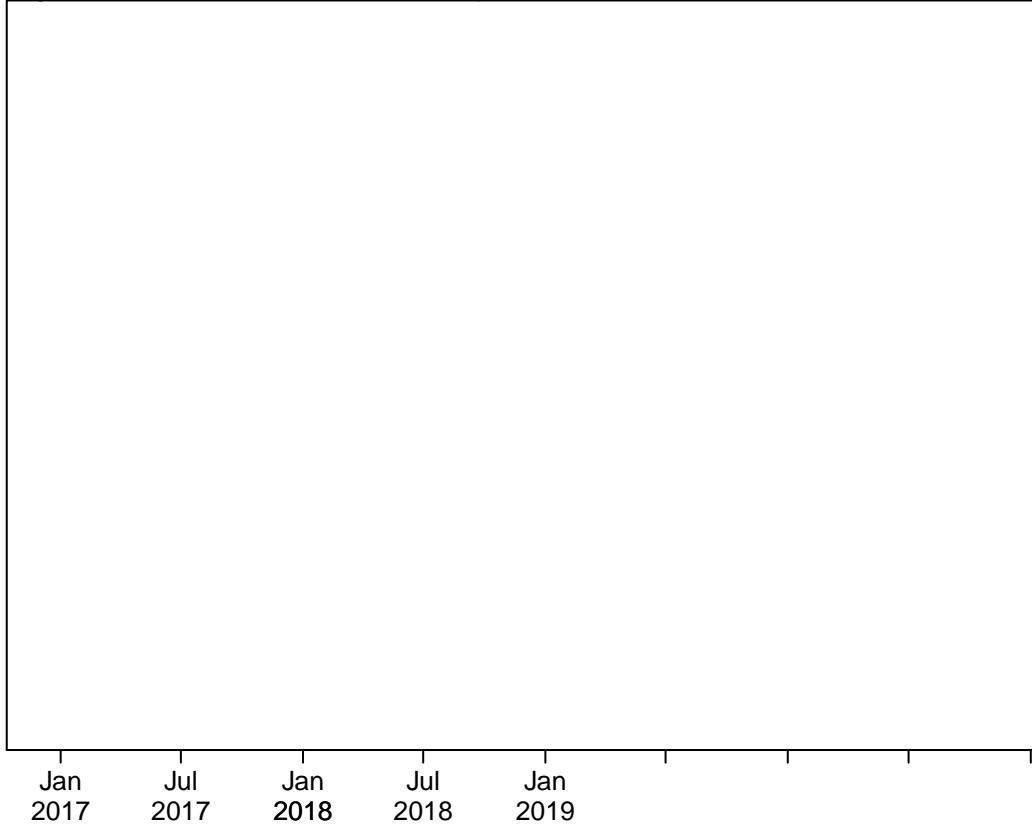


Appendix B – Figure 2
Unit: Evaporation Pond
QQ Plots of Upgradient Wells

Appendix B – Figure 3
Unit: Evaporation Pond

Appendix B – Figure 3
Unit: Evaporation Pond
Timeseries of Upgradient Wells

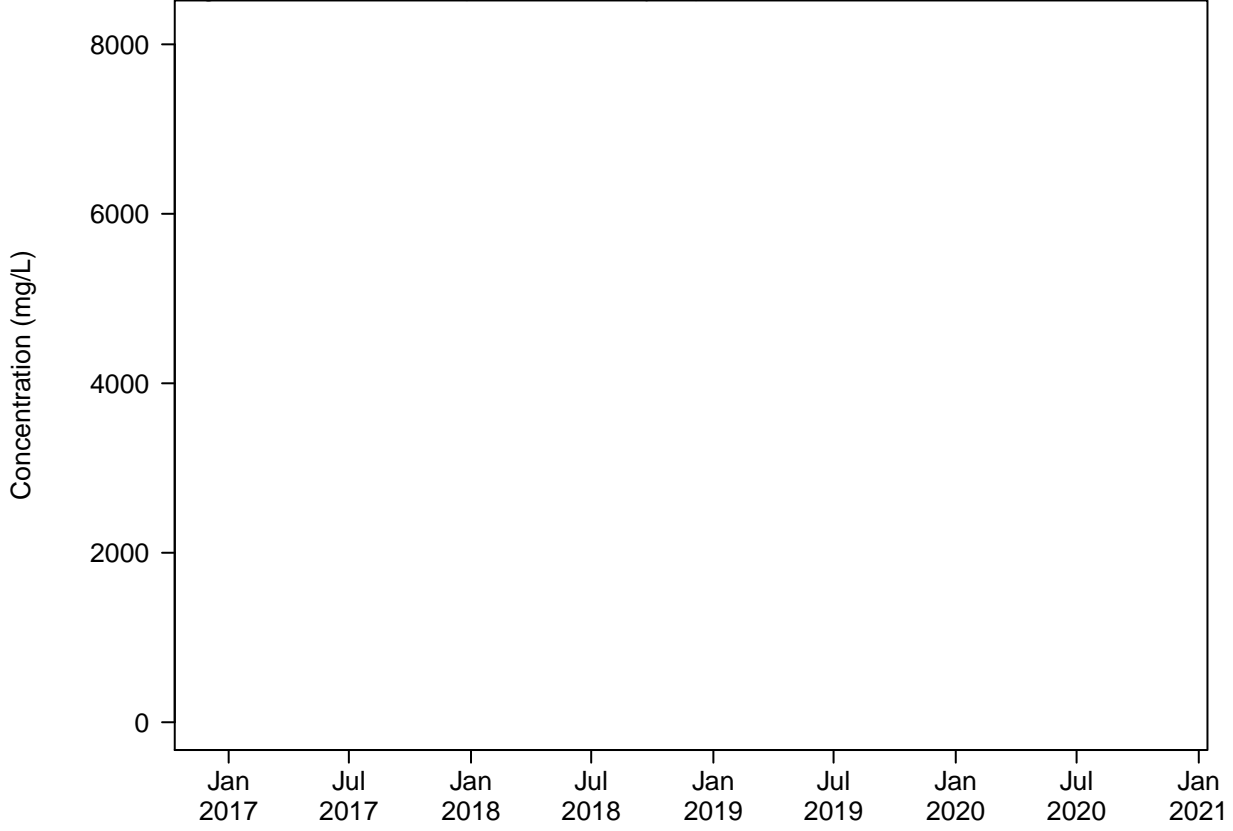
Chemical: Chloride
Significant Difference (Intrawell Analysis)

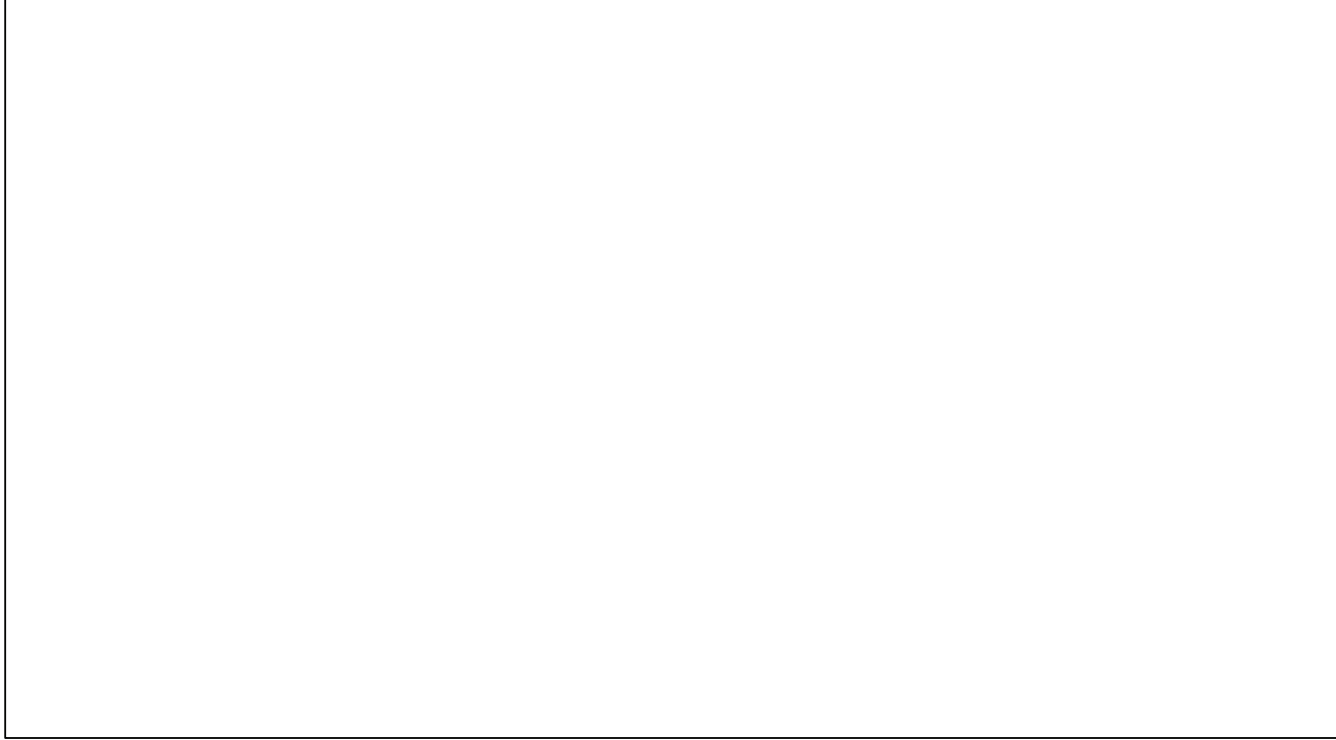


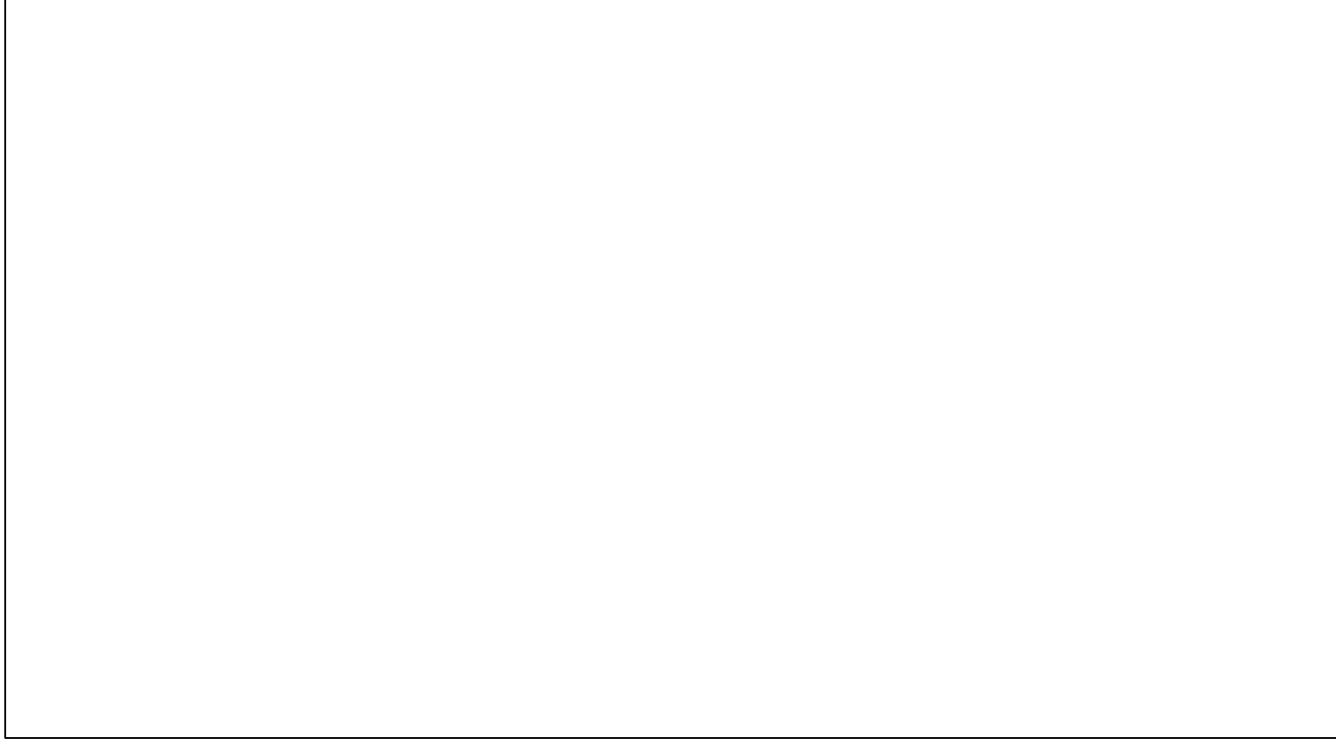
Appendix B – Figure 3
Unit: Evaporation Pond
Timeseries of Upgradient Wells

Appendix B – Figure 3
Unit: Evaporation Pond
Timeseries of Upgradient Wells

Chemical: Total dissolved solids
Significant Difference (Intrawell Analysis)







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Concentration (mg/L)



JKS-36

JKS-61

JKS-62





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Constituent	Units	DN	Downgradient JKS-31 4/28/2020 NNF	Downgradient JKS-33 4/28/2020	Downgradient JKS-46 4/28/2020	Downgradient JKS-46 4/28/2020	Downgradient JKS-60 4/28/2020
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BAP
Downgradient

BAP
Down

BAP

BAP

BAP

BAP



SRH Pond
Downgradient

SRH Pond
Downgradient

SRH Pond
Downgradient

SRH Pond
Down

SRH Pond

