

4. STATISTICAL ANALYSIS AND RESULTS

Consistent with the CCR Rule and

- 11 well-

TOC Elevation

498.63

TOC Elevation

496.92

TOC Elevation

497.19

TOC Elevation

498.48

12/6/16 to 2/21/17 to 3/28/17 to 5/2/17 to 6/20/17 to 7/25/17 to 8/29/17 to 10/10/17 to 4/4/18 to 10/30/18 to 4/9/19 to 10/22/19 to 4/28/20 to 10/20/20 to
12/8/16 2/23/17 3/30/17 5/4/17 6/21/17 7/26/17 8/30/17 10/11/17 4/5/18 10/31/18 4/10/19 10/23/19 4/29/20 10/21/20

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

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Groundwater Analytical Results Summary
CPS Energy - Calaveras Power Station
Bottom Ash Ponds

Constituents	Unit
Boron	mg/L
Calcium	mg/L
Chloride	

Taataatmg/L

Borts1-.175953onytion74 -6-.175953g

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

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

Constituents	Unit
Boron	
aLn	
e2244a8e.5nd3	
Bore2355	
Ta aaats467Ln	
h	
B	

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

Figures

Analyte

N

Num Detects

Percent Detect

DF

KW Statistic

p-value

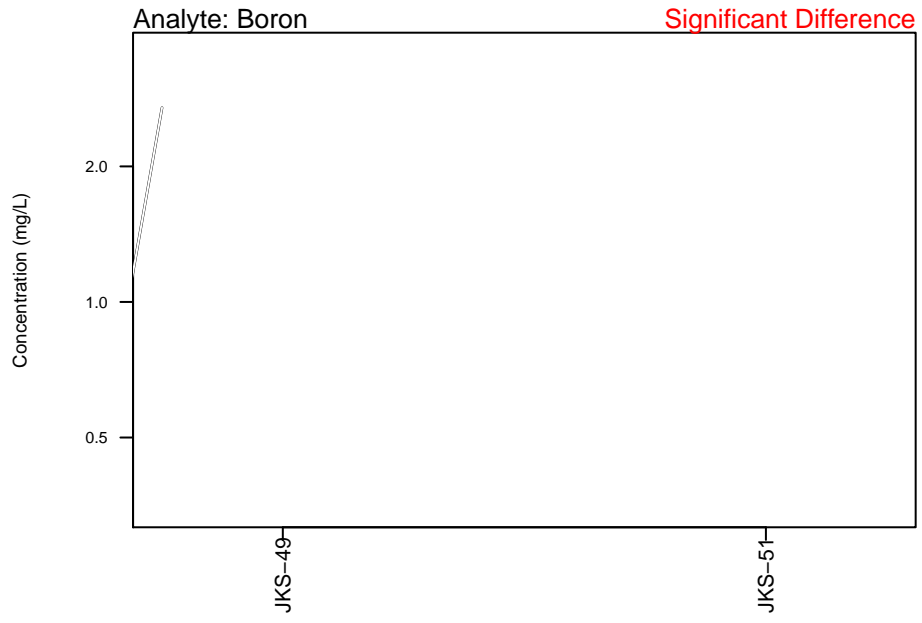
Conclusion

UPL Type

Well	Sample	Date	Analyte	Units	Detect	Concentration	UPL type	Distribution
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Analyte	Well	LPL	UPL	Units	Recent Date	Observation	Obs > UPL	Notes
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Appendix B – Figure 1
Unit: Bottom Ash Ponds
Boxplots of Upgradient Wells



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Unit: Bottom Ash Ponds
Boxplots of Upgradient Wells

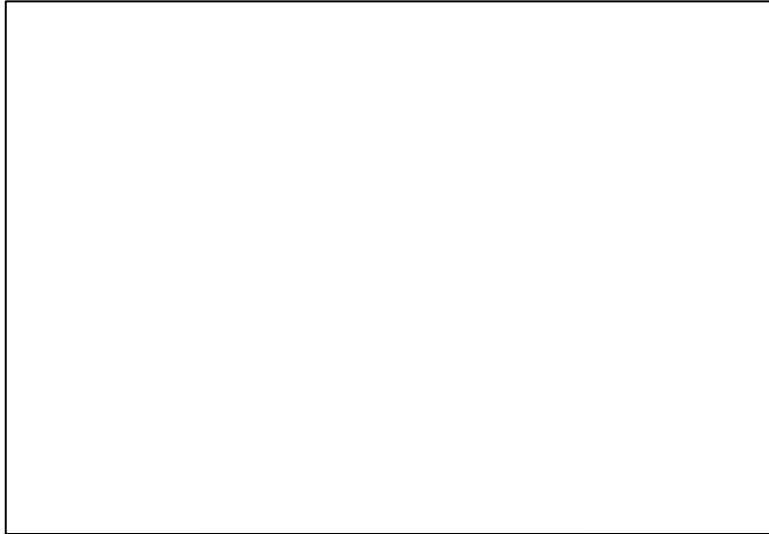


Appendix B – Figure 2
Unit: Bottom Ash Ponds
QQ Plots of Upgradient Wells

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Unit: Bottom Ash Ponds
QQ Plots of Upgradient Wells

Analyte: Calcium
Wells: JKS-49

Intrawell Analysis
Normal Distribution

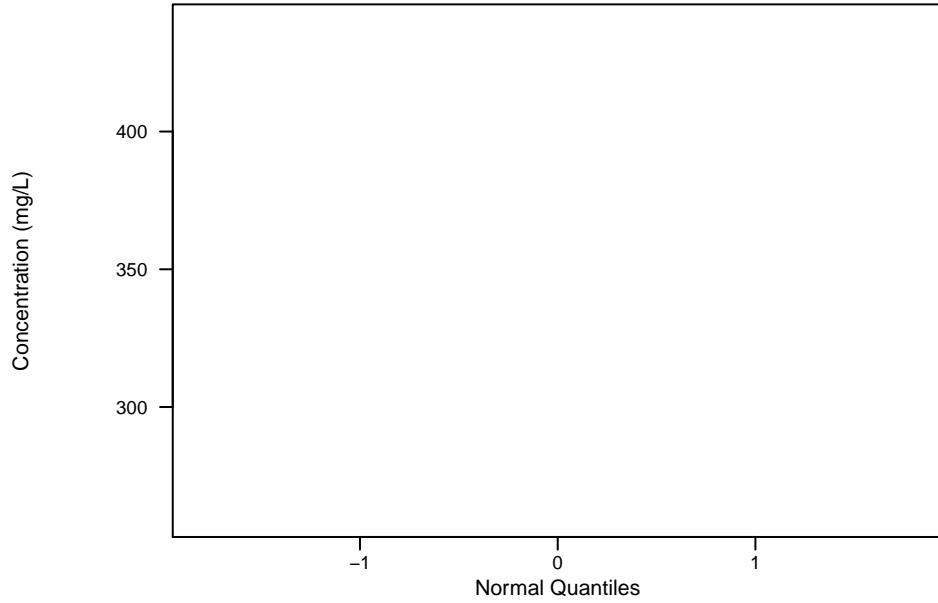


Normal Quantiles

Appendix B – Figure 2
Unit: Bottom Ash Ponds
QQ Plots of Upgradient Wells

Analyte: Sulfate
Wells: JKS-51

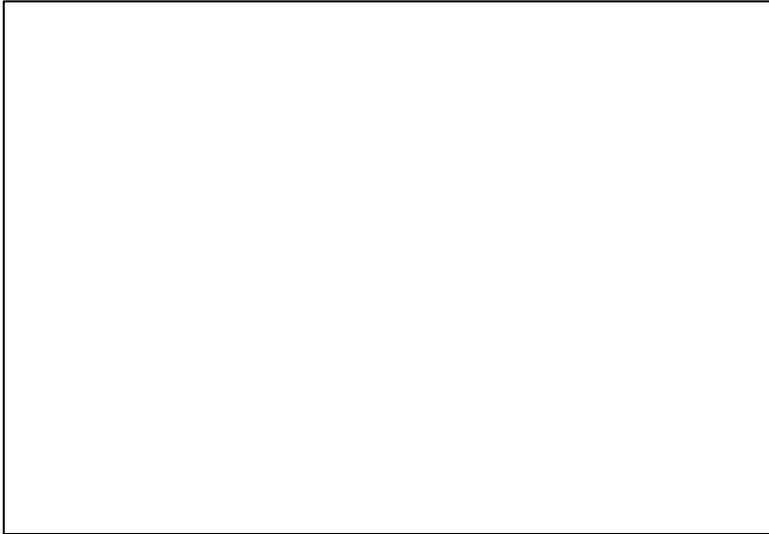
Intrawell Analysis
Normal Distribution



Appendix B – Figure 2
Unit: Bottom Ash Ponds
QQ Plots of Upgradient Wells

Analyte: Total dissolved solids
Wells: JKS-51

Intrawell Analysis



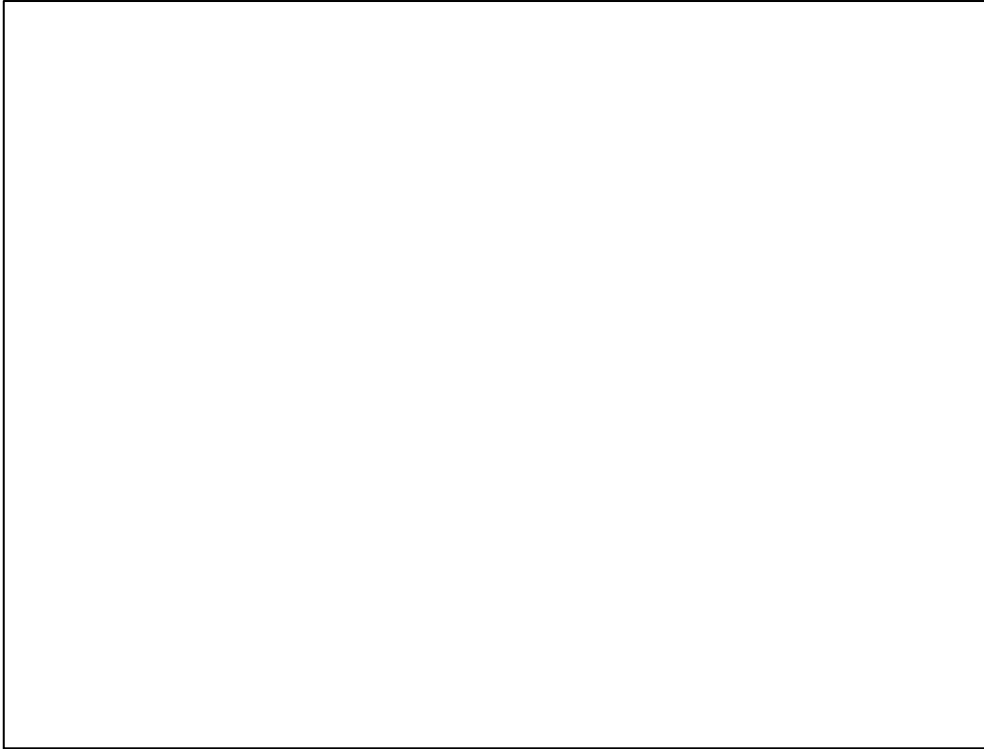
Appendix B – Figure 3
Unit: Bottom Ash Ponds
Timeseries of Upgradient Wells

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Unit: Bottom Ash Ponds
Timeseries of Upgradient Wells

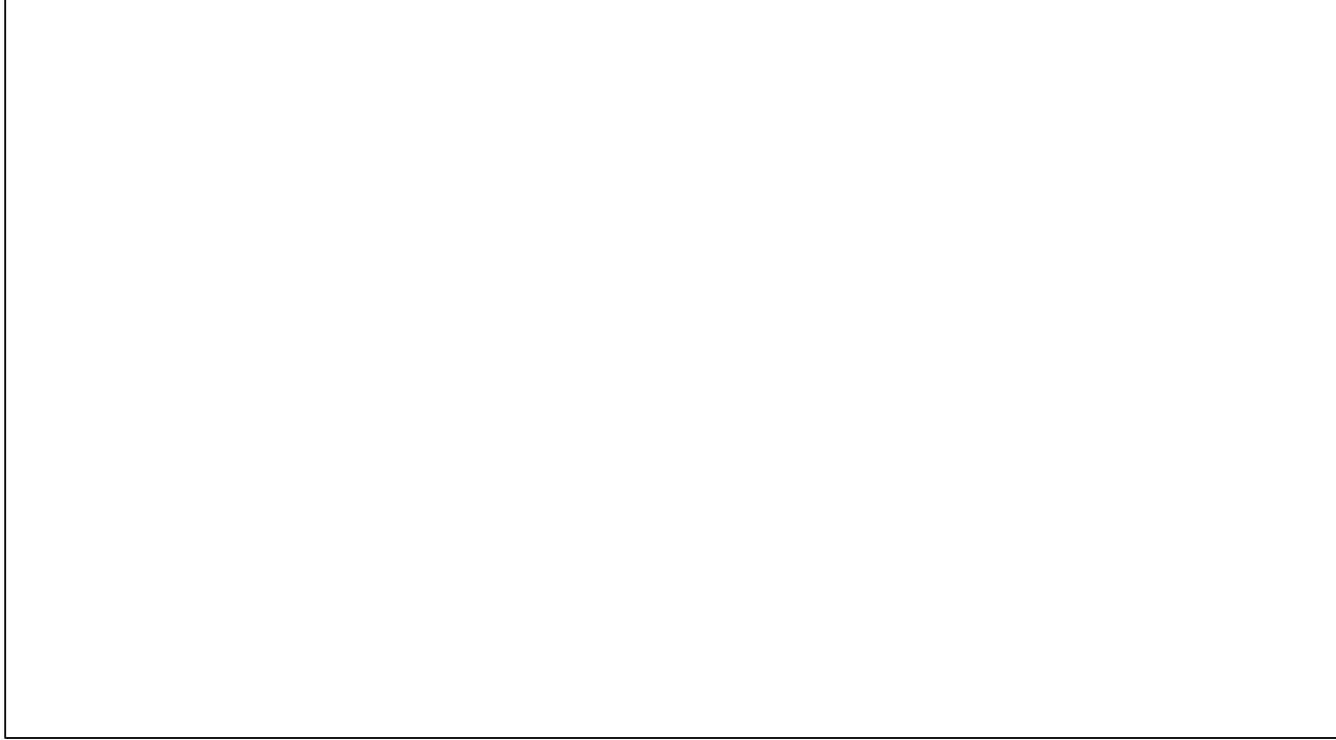
Appendix B – Figure 3
Unit: Bottom Ash Ponds
Timeseries of Upgradient Wells

Appendix B – Figure 4
Unit: Bottom Ash Ponds
Trend Analysis of Downgradient Wells with Exceedances

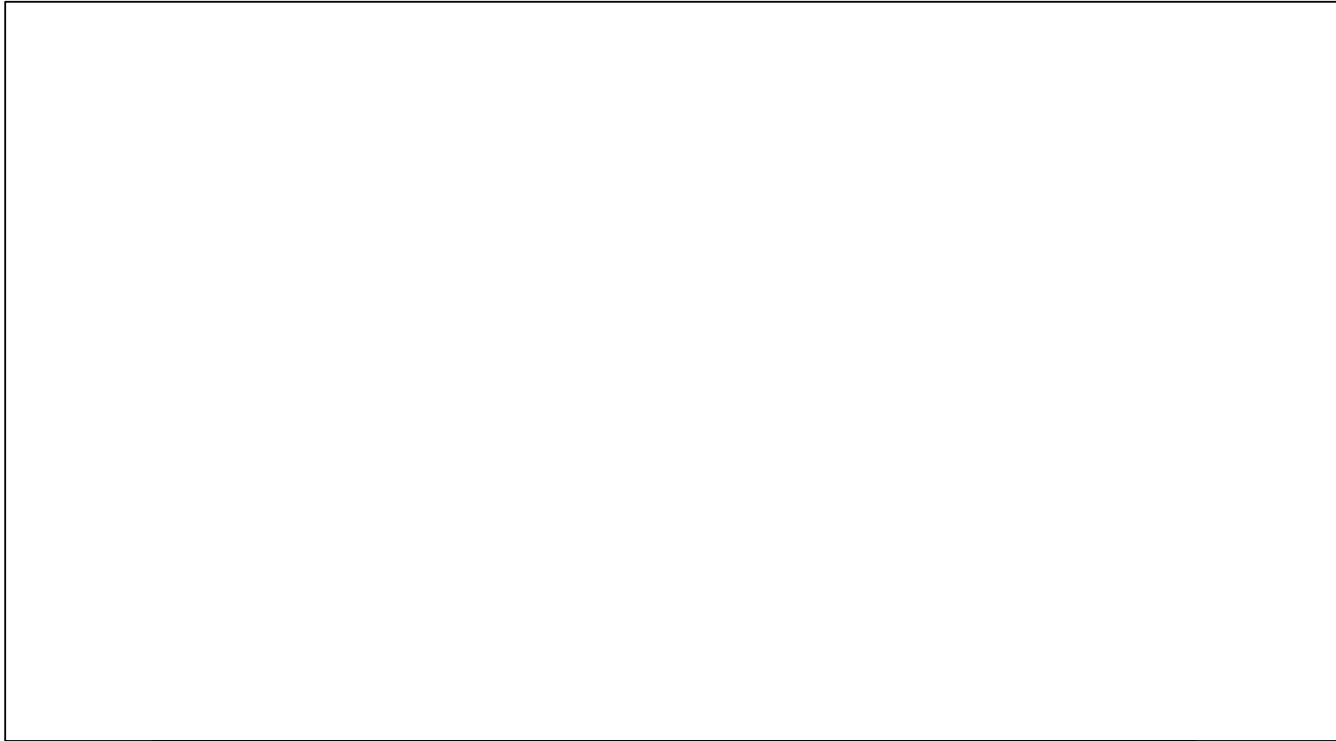
Chemical: Boron
Wellf5KS-50Rs



Appendix B – Figure 4
Unit: Bottom Ash Ponds



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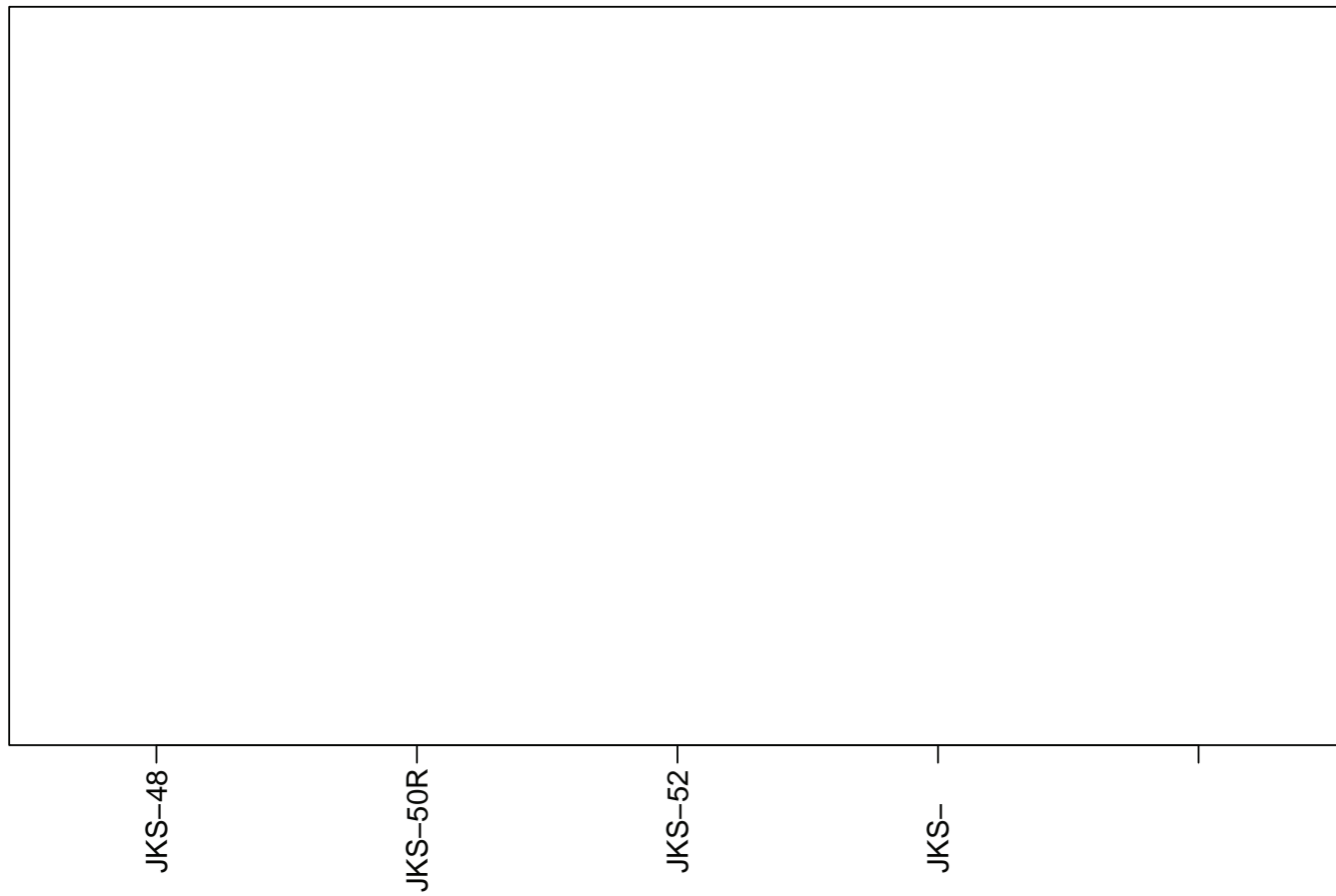
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Ô@^ { î&æ|KÁØ|~ [!îâ^



Chemical: Total Dissolved Solids



ERM

EP
g

EP

EP

EP



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



BAP
Downgradient

BAP
Down

BAP

BAP

BAP

BAP



SRH Pond
Downgradient

SRH Pond
Downgradient

SRH Pond
Downgradient

SRH Pond
Down

SRH Pond

