Appendix C

Tables

TABLE C-1: HISTORICAL AQUIFER TESTING DATA COMPILATION
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
AA-07	BMI Common Area (Residential)	Qal			8.0			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007a
AA-07	BMI Common Area (Residential)	Qal			6.5			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-07	BMI Common Area (Residential)	Qal			5.0			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007a
AA-07	BMI Common Area (Residential)	Qal			8.0	7		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-08	BMI Common Area (Eastside)	Qal	28.0		50			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
AA-08	BMI Common Area (Eastside)	Qal	28.0		70			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
AA-08	BMI Common Area (Eastside)	Qal	28.0		40			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
AA-08	BMI Common Area (Eastside)	Qal	28.0		62	56		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
AA-08EW	BMI Common Area (Eastside)	Qal/UMCf	44.3	63584.42	190		0.5	Step-drawdown	Theis with Jacob Correction	Kleinfelder 2007a
AA-08EW	BMI Common Area (Eastside)	Qal/UMCf	44.3	216935.08	650		0.00385	Constant Rate Pumping	Theis with Jacob Correction	Kleinfelder 2007a
AA-08EW	BMI Common Area (Eastside)	Qal/UMCf	44.4	138389.62	420		0.5	Recovery	Agarwal + Theis	Kleinfelder 2007a
AA-08EW	BMI Common Area (Eastside)	Qal/UMCf	44.3	187013.00	560		0.092	Constant Rate Pumping	Theis with Jacob Correction	Kleinfelder 2007a
AA-08EW	BMI Common Area (Eastside)	Qal/UMCf	44.4	148114.30	450		0.148	Recovery	Agarwal + Theis	Kleinfelder 2007a
AA-08EW	BMI Common Area (Eastside)	Qal/UMCf	44.3	280519.50	850		0.0292	Constant Rate Pumping	Theis with Jacob Correction	Kleinfelder 2007a
AA-08EW	BMI Common Area (Eastside)	Qal/UMCf	44.4	149610.40	450	510	0.0409	Recovery	Agarwal + Theis	Kleinfelder 2007a
AA-09 (slug)	BMI Common Area (Eastside)	Qal	20.0		67			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-09 (slug)	BMI Common Area (Eastside)	Qal	20.0		58			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-09 (slug)	BMI Common Area (Eastside)	Qal	20.0		62	62		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-09 (pumping)	BMI Common Area (Eastside)	Qal	33.7	2805.20	11		0.00227	Step-drawdown	Theis with Jacob Correction	Kleinfelder 2007a
AA-09 (pumping)	BMI Common Area (Eastside)	Qal	33.7	2431.17	9.6		0.0395	Constant Rate Pumping	Theis with Jacob Correction	Kleinfelder 2007a
AA-09 (pumping)	BMI Common Area (Eastside)	Qal	33.7	2431.17	9.6		0.0000383	Recovery	Agarwal + Theis with Jacob Correction	Kleinfelder 2007a
AA-09 (pumping)	BMI Common Area (Eastside)	Qal	33.7	3889.87	15		0.0572	Constant Rate Pumping	Theis with Jacob Correction	Kleinfelder 2007a
AA-09 (pumping)	BMI Common Area (Eastside)	Qal	33.7	3620.57	14	12	0.0665	Recovery	Agarwal + Theis with Jacob Correction	Kleinfelder 2007a
AA-13	BMI Common Area (Eastside)	Qal	5.0		12			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007a
AA-13	BMI Common Area (Eastside)	Qal	5.0		14			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-13	BMI Common Area (Eastside)	Qal	5.0		11			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007a
AA-13	BMI Common Area (Eastside)	Qal	5.0		13	13		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-20 (slug)	BMI Common Area (Eastside)	Qal	13.5		29			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007a
AA-20 (slug)	BMI Common Area (Eastside)	Qal	13.5		33			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-20 (slug)	BMI Common Area (Eastside)	Qal	13.5		44	35		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-20 (pumping)	BMI Common Area (Eastside)	Qal	22.9	5760.00	34		2.99E-10	Step-drawdown	Theis	Kleinfelder 2007a
AA-20 (pumping)	BMI Common Area (Eastside)	Qal	22.9	3889.87	23		5.41E-08	Constant Rate Pumping	Theis with Jacob Correction	Kleinfelder 2007a
AA-20 (pumping)	BMI Common Area (Eastside)	Qal	22.9	5086.75	30		1.53E-08	Recovery	Agarwal + Theis with Jacob Correction	Kleinfelder 2007a
AA-20 (pumping)	BMI Common Area (Eastside)	Qal	22.9	11819.22	69		0.0379	Constant Rate Pumping	Theis with Jacob Correction	Kleinfelder 2007a
AA-20 (pumping)	BMI Common Area (Eastside)	Qal	22.9	8901.82	52	42	0.045	Recovery	Agarwal + Theis with Jacob Correction	Kleinfelder 2007a
AA-22	City of Henderson	Qal			0.60			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007a
AA-22	City of Henderson	Qal			0.30			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-22	City of Henderson	Qal			0.50			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007a

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Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
AA-22	City of Henderson	Qal			0.60	0.50		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007a
AA-23R	City of Henderson	Qal	25.0		8.8			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
AA-23R	City of Henderson	Qal	25.0		10			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
AA-23R	City of Henderson	Qal	25.0		8.6			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
AA-23R	City of Henderson	Qal	25.0		13	10		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
AA-26	BMI Common Area	Qal	18.0		4.1			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
AA-26	BMI Common Area	Qal	18.0		1.6			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
AA-26	BMI Common Area	Qal	18.0		2.5			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
AA-26	BMI Common Area	Qal	18.0		1.7	2.4		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
AA-30 (slug)	BMI Common Area	Qal	31.0		30			Slug	Hvorslev	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		24			Slug	Bouwer-Rice	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		24			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		18			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		33			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		33			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		18			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		33			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		18			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		13			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		44			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
AA-30 (slug)	BMI Common Area	Qal	31.0		33	27		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
AA-30 (pumping)	BMI Common Area	Qal	31.0	51000.00	220			Constant Rate Pumping	Cooper-Jacob	Converse Consultants 2009
AA-30 (pumping)	BMI Common Area	Qal	31.0	91000.00	390	305		Recovery	Cooper-Jacob	Converse Consultants 2009
AA-BW-01A	BMI (CAMU)	Qal	15.6		4.5			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
AA-BW-01A	BMI (CAMU)	Qal	15.6		5.0			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
AA-BW-01A	BMI (CAMU)	Qal	15.6		4.5			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
AA-BW-01A	BMI (CAMU)	Qal	15.6		5.0	4.8		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
AA-BW-08A	BMI (CAMU)	Qal	9.4		23			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
AA-BW-08A	BMI (CAMU)	Qal	9.4		26			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
AA-BW-08A	BMI (CAMU)	Qal	9.4		31			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
AA-BW-08A	BMI (CAMU)	Qal	9.4		32			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
AA-BW-08A	BMI (CAMU)	Qal	9.4		31			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
AA-BW-08A	BMI (CAMU)	Qal	9.4		26	28		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
AA-MW-07	BMI (CAMU)	xMCf (Shallow WBZ)	37.0		4.5			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
AA-MW-07	BMI (CAMU)	xMCf (Shallow WBZ)	37.0		5.0			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
AA-MW-07	BMI (CAMU)	xMCf (Shallow WBZ)	37.0		4.7			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
AA-MW-07	BMI (CAMU)	xMCf (Shallow WBZ)	37.0		5.1			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
AA-MW-07	BMI (CAMU)	xMCf (Shallow WBZ)	37.0		4.9			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
AA-MW-07	BMI (CAMU)	xMCf (Shallow WBZ)	37.0		5.3	4.9		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
AA-MW-20	OSSM	xMCf/UMCf (Shallow WBZ)			2.0	2.0		Slug	Hvorslev	Geosyntec 2014

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Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
AA-MW-21	OSSM	xMCf/UMCf (Shallow WBZ)			8.1	8.1		Slug	Hvorslev	Geosyntec 2014
AA-MW-22	OSSM	xMCf/UMCf (Shallow WBZ)			5.2	5.2		Slug	Hvorslev	Geosyntec 2014
AA-MW-23	OSSM	xMCf/UMCf (Shallow WBZ)			5.4	5.4		Slug	Hvorslev	Geosyntec 2014
ADX-112	AMPAC	UMCf (Middle WBZ)	19.1		0.00068	0.00068		Slug	Bouwer-Rice	Geosyntec 2010
AMEW-1	AMPAC	UMCf (Deep WBZ)	90.0	3478.43	39		0.0002463	Constant Rate Pumping	Hantush-Jacob Leaky	AMPAC 2011b
AMEW-1	AMPAC	UMCf (Deep WBZ)	90.0	3478.43	39	39	0.0005389	Constant Rate Pumping	Hantush-Jacob Leaky	AMPAC 2011b
AMEW-2	AMPAC	UMCf (Deep WBZ)	40.0	796.67	20	20	0.0003247	Constant Rate Pumping	Hantush-Jacob Leaky	AMPAC 2011b
AMEW-3	AMPAC	UMCf (Deep WBZ)	30.0	1262.71	42	42	0.0002828	Constant Rate Pumping	Hantush-Jacob Leaky	AMPAC 2011b
AMEW-4	AMPAC	UMCf (Deep WBZ)	35.0	873.72	25		0.0001957	Constant Rate Pumping	Hantush-Jacob Leaky	AMPAC 2011b
AMEW-4	AMPAC	UMCf (Deep WBZ)	35.0	914.86	26	26	0.00008542	Constant Rate Pumping	Hantush-Jacob Leaky	AMPAC 2011b
AMEW-5	AMPAC	UMCf (Deep WBZ)	35.0	182.60	5.2	5.2	0.0009543	Constant Rate Pumping	Hantush-Jacob Leaky	AMPAC 2011b
AMX-40	AMPAC	UMCf (Shallow WBZ)	22.0		4.3			Slug	Bouwer-Rice	Geosyntec 2010
AMX-40	AMPAC	UMCf (Shallow WBZ)	22.0		4.0			Slug	Bouwer-Rice	Geosyntec 2010
AMX-40	AMPAC	UMCf (Shallow WBZ)	22.0		4.4	4.2		Slug	Bouwer-Rice	Geosyntec 2010
AMX-98	AMPAC	UMCf (Deep WBZ)	17.0		4.4	4.4		Slug	Bouwer-Rice	Geosyntec 2010
AMX-P	AMPAC	UMCf (Shallow WBZ)		673.24	NA	NA	0.001	Constant Rate Pumping	AQTESOLV curve matching	AMPAC 2011a
APX-2-P1	BMI Common Area	Qal/xMCf	20.0	22441.56	150.0	150.0		Constant Rate Pumping	Walton	Kleinfelder 2005
ART-1	AWF Area	Qal			29			Step-drawdown	Jacob[1]	Krish 2012
ART-1	AWF Area	Qal			200	200		Recovery	Moench	ENVIRON 2015
ART-2	AWF Area	Qal			280	280		Step-drawdown	Jacob[1]	Krish 2012
ART-3	AWF Area	Qal			15	15		Step-drawdown	Jacob[1]	Krish 2012
ART-4	AWF Area	Qal			55			Step-drawdown	Jacob[1]	Krish 2012
ART-4	AWF Area	Qal			23	39		Recovery	Moench	ENVIRON 2015
ART-5	AWF Area	Qal	9.5	6300.00	89			Step-drawdown	Specific Capacity[3]	Krish 2012
ART-5	AWF Area	Qal	9.5	4700.00	66			Step-drawdown	Specific Capacity[3]	Krish 2012
ART-5	AWF Area	Qal	9.5	3400.00	48	48		Step-drawdown	Specific Capacity[3,4]	Krish 2012
ART-6	AWF Area	Qal			150	150		Step-drawdown	Jacob[1]	Krish 2012
ART-7	AWF Area	Qal			260	260		Step-drawdown	Jacob[1]	Krish 2012
ART-7A	AWF Area	Qal			230	230		Recovery	Moench	ENVIRON 2015
ART-7B	AWF Area	Qal			240	240		Step-drawdown	Moench	ENVIRON 2015
ART-8	AWF Area	Qal			160	160		Step-drawdown	Jacob[1]	Krish 2012
ART-9	AWF Area	Qal			140			Constant Rate Pumping	Jacob	Krish 2012
ART-9	AWF Area	Qal			260	198		Recovery	Moench	ENVIRON 2015
B-1	Las Vegas Wash	UMCf (Middle WBZ)			0.16	0.16		Baildown	Hvorslev	Converse Consultants 1986
B-2	Las Vegas Wash	UMCf (Middle WBZ)			0.027	0.027		Baildown	Hvorslev	Converse Consultants 1986
B-3	Las Vegas Wash	UMCf (Middle WBZ)			0.081	0.081		Baildown	Hvorslev	Converse Consultants 1986
B-4	Las Vegas Wash	UMCf (Middle WBZ)			0.12	0.12		Baildown	Hvorslev	Converse Consultants 1986
B-6	Las Vegas Wash	UMCf (Middle WBZ)			0.040	0.040		Baildown	Hvorslev	Converse Consultants 1986

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B-14R	BMI (CAMU)	Qal	26.2		73			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
B-14R	BMI (CAMU)	Qal	26.2		80			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
B-14R	BMI (CAMU)	Qal	26.2		63			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
B-14R	BMI (CAMU)	Qal	26.2		65			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
B-14R	BMI (CAMU)	Qal	26.2		67			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
B-14R	BMI (CAMU)	Qal	26.2		67	69		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
B-17	BMI (CAMU)	Qal	17.8		6.4			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
B-17	BMI (CAMU)	Qal	17.8		9.5			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
B-17	BMI (CAMU)	Qal	17.8		6.1			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
B-17	BMI (CAMU)	Qal	17.8		8.7			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
B-17	BMI (CAMU)	Qal	17.8		6.3			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
B-17	BMI (CAMU)	Qal	17.8		9.5	7.7		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
B-18	BMI (CAMU)	Qal	15.4		2.0			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
B-18	BMI (CAMU)	Qal	15.4		2.0			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
B-18	BMI (CAMU)	Qal	15.4		2.2			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
B-18	BMI (CAMU)	Qal	15.4		2.4			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
B-18	BMI (CAMU)	Qal	15.4		2.2			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
B-18	BMI (CAMU)	Qal	15.4		2.4			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
B-18	BMI (CAMU)	Qal	15.4		2.0			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
B-18	BMI (CAMU)	Qal	15.4		2.5	2.2		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
C	OSSM	Qal	25.0	12000.00	64	64		Pumping	NA	Hargis + Associates 2008
CLD1-R	TIMET	Qal	7.6	3995.00	70			Recovery	Cooper-Jacob	TIMET 2007
CLD1-R	TIMET	Qal	3.6	466.04	17	44		Constant Rate Pumping	Theis recovery	Tetra Tech 1998
CLD3-R	TIMET	Qal	10.4	968.00	12	12		Recovery	Cooper-Jacob	TIMET 2007
CLD4-R	TIMET	Qal	9.8	38.60	0.53		3.81	Constant Rate Pumping	Theis recovery	Tetra Tech 1998
CLD4-R	TIMET	Qal	9.8	147.82	2.0		0.0632	Constant Rate Pumping	Theis	Tetra Tech 1998
CLD4-R	TIMET	Qal	9.8	71.06	0.97	1.17	0.089	Constant Rate Pumping	Neuman	Tetra Tech 1998
CMT-101	TIMET	xMCf (Shallow WBZ)	4.5		0.0012	0.0012		Baildown	Bouwer-Rice	TIMET 2008
CMT-102	TIMET	xMCf (Shallow WBZ)	4.0		0.019	0.019		Baildown	Bouwer-Rice	TIMET 2008
CMT-103	TIMET	UMCf (Middle WBZ)	1.0		0.010	0.010		Baildown	Bouwer-Rice	TIMET 2008
CMT-104	TIMET	UMCf (Middle WBZ)	5.0		0.0029	0.0029		Baildown	Bouwer-Rice	TIMET 2008
CMT-105	TIMET	UMCf (Middle WBZ)	1.0		0.0058	0.0058		Baildown	Bouwer-Rice	TIMET 2008
CMT-106	TIMET	UMCf (Middle WBZ)	4.0		4.4E-07	4.4E-07		Baildown	Bouwer-Rice	TIMET 2008
CMT-107	TIMET	UMCf (Middle WBZ)	8.0		0.11	0.11		Baildown	Bouwer-Rice	TIMET 2008
CMT-202	TIMET	xMCf (Shallow WBZ)	49.3		0.014	0.014		Baildown	Bouwer-Rice	TIMET 2008
CMT-203	TIMET	UMCf (Middle WBZ)	1.0		1.3E-05	1.3E-05		Baildown	Bouwer-Rice	TIMET 2008
CMT-205	TIMET	UMCf (Middle WBZ)	3.0		0.029	0.029		Baildown	Bouwer-Rice	TIMET 2008
CMT-303	TIMET	xMCf (Shallow WBZ)	1.0		0.036	0.036		Baildown	Bouwer-Rice	TIMET 2008
CMT-304	TIMET	xMCf (Shallow WBZ)	2.0		0.049	0.049		Baildown	Bouwer-Rice	TIMET 2008
CMT-307	TIMET	UMCf (Middle WBZ)	3.0		0.0013	0.0013		Baildown	Bouwer-Rice	TIMET 2008

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CMT-502	TIMET	xMCf (Shallow WBZ)	2.0		0.15	0.15		Baildown	Bouwer-Rice	TIMET 2008
CMT-503	TIMET	xMCf (Shallow WBZ)	1.0		0.038	0.038		Baildown	Bouwer-Rice	TIMET 2008
CMT-504	TIMET	xMCf (Shallow WBZ)	8.0		0.022	0.022		Baildown	Bouwer-Rice	TIMET 2008
CMT-505	TIMET	UMCf (Middle WBZ)	4.5		0.0049	0.0049		Baildown	Bouwer-Rice	TIMET 2008
CMT-506	TIMET	UMCf (Middle WBZ)	1.0		5.2E-06	5.2E-06		Baildown	Bouwer-Rice	TIMET 2008
CMT-507	TIMET	UMCf (Middle WBZ)	3.5		0.0015	0.0015		Baildown	Bouwer-Rice	TIMET 2008
CP-01	OSSM	UMCf (Middle WBZ)	1.5	6.58	0.59			Recovery	Theis Recovery	Hargis + Associates 2008
CP-01	OSSM	UMCf (Middle WBZ)	4.6	6.58	0.19			Recovery	Theis Recovery	Hargis + Associates 2008
CP-01	OSSM	UMCf (Middle WBZ)	1.5	120.00	11			Step-drawdown	Cooper-Jacob	SECOR 2002
CP-01	OSSM	UMCf (Middle WBZ)	1.5	73.00	6.5			Step-drawdown	Cooper-Jacob	SECOR 2002
CP-01	OSSM	UMCf (Middle WBZ)	1.5	210.00	19			Step-drawdown	Theis	SECOR 2002
CP-01	OSSM	UMCf (Middle WBZ)	1.5	210.00	19	9		Step-drawdown	Theis	SECOR 2002
D2	OSSM	Qal	10.0	6000.00	80	80		Pumping	NA	Hargis + Associates 2008
DBMW-16	BMI Common Area (Eastside)	Qal/UMCf	15.0		0.87			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-16	BMI Common Area (Eastside)	Qal/UMCf	15.0		0.38	0.63		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-19	City of Henderson	Qal/UMCf	18.0		1.4			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-19	City of Henderson	Qal/UMCf	18.0		2.8			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-19	City of Henderson	Qal/UMCf	18.0		0.83			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-19	City of Henderson	Qal/UMCf	18.0		2.9	2.0		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-2	BMI Common Area (Eastside)	Qal/UMCf	18.0		0.043			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-2	BMI Common Area (Eastside)	Qal/UMCf	18.0		0.060	0.051		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-22	BMI Common Area	UMCf (Shallow WBZ)	18.0		0.063			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-22	BMI Common Area	UMCf (Shallow WBZ)	18.0		0.080	0.071		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-4	City of Henderson	Qal/UMCf	20.0		2.0			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-4	City of Henderson	Qal/UMCf	20.0		2.1			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-4	City of Henderson	Qal/UMCf	20.0		1.9			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-4	City of Henderson	Qal/UMCf	20.0		2.0	2.0		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-8	BMI Common Area (Eastside)	UMCf (Shallow WBZ)	17.0		0.50			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-8	BMI Common Area (Eastside)	UMCf (Shallow WBZ)	17.0		0.59			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-8	BMI Common Area (Eastside)	UMCf (Shallow WBZ)	17.0		0.52			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-8	BMI Common Area (Eastside)	UMCf (Shallow WBZ)	17.0		0.59	0.55		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-9	BMI Common Area (Eastside)	UMCf (Shallow WBZ)	13.0		0.080			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007b
DBMW-9	BMI Common Area (Eastside)	UMCf (Shallow WBZ)	13.0		0.079	0.080		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2007b
DPT-01	OSSM	UMCf (Middle WBZ)	5.5	0.45	0.011			Recovery	Theis Recovery	Hargis + Associates 2008
DPT-01	OSSM	UMCf (Middle WBZ)	13.0	0.45	0.0046			Recovery	Theis Recovery	Hargis + Associates 2008
DPT-01	OSSM	UMCf (Middle WBZ)	5.5	2.99	0.073			Recovery	Cooper, Bredehoeft, and Papadopulos	Hargis + Associates 2008
DPT-01	OSSM	UMCf (Middle WBZ)	13.0	2.99	0.031			Recovery	Cooper, Bredehoeft, and Papadopulos	Hargis + Associates 2008
DPT-01	OSSM	UMCf (Middle WBZ)	5.5	0.52	0.013			Recovery	Theis Recovery	Hargis + Associates 2008

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Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
DPT-01	OSSM	UMCf (Middle WBZ)	13.0	0.52	0.0054			Recovery	Theis Recovery	Hargis + Associates 2008
DPT-01	OSSM	UMCf (Middle WBZ)	5.5	3.37	0.082			Recovery	Cooper, Bredehoeft, and Papadopulos	Hargis + Associates 2008
DPT-01	OSSM	UMCf (Middle WBZ)	13.0	3.37	0.035	0.032		Recovery	Cooper, Bredehoeft, and Papadopulos	Hargis + Associates 2008
DW-1	Las Vegas Wash	Qal/UMCf	40.0	62982.00	210			Constant Rate Pumping	Neuman	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	98120.00	330			Constant Rate Pumping	Cooper-Jacob, Graphical Calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	122672.00	410		0.3	Constant Rate Pumping	Hantush-Jacob Leaky	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	135338.00	450		0.25	Constant Rate Pumping	Cooper-Jacob, Graphical Calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	140171.00	470		0.22	Constant Rate Pumping	Cooper-Jacob, Graphical Calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	142120.00	470		0.1	Constant Rate Pumping	Cooper-Jacob, AquiferTest Software	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	145112.00	480		0.18	Constant Rate Pumping	Cooper-Jacob, AquiferTest Software	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	148852.00	500			Constant Rate Pumping	Cooper-Jacob, AquiferTest Software	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	150954.00	500		0.22	Constant Rate Pumping	Cooper-Jacob, Graphical Calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	152914.00	510		0.05	Constant Rate Pumping	Cooper-Jacob, Graphical Calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	152914.00	510		0.12	Constant Rate Pumping	Cooper-Jacob, Graphical Calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	154088.00	510		0.04	Constant Rate Pumping	Cooper-Jacob, AquiferTest Software	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	154836.00	520			Constant Rate Pumping	Cooper-Jacob, AquiferTest Software	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	159114.00	530		0.14	Constant Rate Pumping	Cooper-Jacob, Graphical Calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	163064.00	540			Constant Rate Pumping	Cooper-Jacob, AquiferTest Software	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	170644.00	570		0.007	Constant Rate Pumping	Theis recovery, graphical calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	237116.00	790			Constant Rate Pumping	Theis-Residual Drawdown, AquiferTest Software	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	237116.00	790			Constant Rate Pumping	Theis-Residual Drawdown, AquiferTest Software	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	280343.00	940		0.01	Constant Rate Pumping	Theis recovery, graphical calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	327067.00	1100			Constant Rate Pumping	Theis-Residual Drawdown, Graphical Calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	406014.00	1400			Constant Rate Pumping	Theis-Residual Drawdown, Graphical Calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	420514.00	1400		0.002	Constant Rate Pumping	Theis recovery, graphical calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	446000.00	1500			Constant Rate Pumping	Theis-Residual Drawdown, Graphical Calculation	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	471988.00	1600			Constant Rate Pumping	Theis-Residual Drawdown, AquiferTest Software	Converse Consultants 2002
DW-1	Las Vegas Wash	Qal/UMCf	40.0	521356.00	1700	771		Constant Rate Pumping	Theis-Residual Drawdown, AquiferTest Software	Converse Consultants 2002
DX-161	AMPAC	UMCf (Deep WBZ)		7630.10	NA		0.0005	Constant Rate Pumping	AQTESOLV curve matching	AMPAC 2011a
DX-161	AMPAC	UMCf (Deep WBZ)		8826.98	NA		0.0003	Constant Rate Pumping	AQTESOLV curve matching	AMPAC 2011a
DX-161	AMPAC	UMCf (Deep WBZ)		8078.93	NA	NA	0.0004	Constant Rate Pumping	AQTESOLV curve matching	AMPAC 2011a
E3	OSSM	Qal	25.0	17000.00	92	92		Pumping	NA	Hargis + Associates 2008
EC-1	BMI (CAMU)	Qal/UMCf	15.3		0.65			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
EC-1	BMI (CAMU)	Qal/UMCf	15.3		0.65			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
EC-1	BMI (CAMU)	Qal/UMCf	15.3		0.61			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
EC-1	BMI (CAMU)	Qal/UMCf	15.3		0.68	0.65		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
H-10 (pumping)	BMI (CAMU)	Qal	9.8	177.00	2.4	2.4		Pumping	NA	Stauffer 1983
H-10 (slug)	BMI (CAMU)	Qal	10.1	213.00	2.8	2.8		Slug	NA	Stauffer 1983

TABLE C-1: HISTORICAL AQUIFER TESTING DATA COMPILATION
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Nevada Environmental Response Trust Site
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Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
H-14	Stauffer Chemical (Commercial)	Qal/UMCf	2.0	680.00	45			Pumping	NA	Geraghty and Miller 1980[6]
H-14	Stauffer Chemical (Commercial)	Qal/UMCf	2.0	1637.00	110	78	0.0027	Pumping	Theis	Geraghty and Miller 1980
H-17	Henderson Groundwater	Qal	14.1	8300.00	79	79		Pumping	NA	Stauffer 1983
H-18	Stauffer Chemical (Commercial)	Qal/UMCf	37.1	63360.00	230	230		Pumping	Jacob	Geraghty and Miller 1980
H-19	OSSM	Qal/UMCf	8.0	1320.00	22			Pumping	Jacob	Geraghty and Miller 1980
H-19	OSSM	Qal/UMCf	8.0	22900.00	380	202	0.016	Pumping	NA	Geraghty and Miller 1980[6]
H-21R	OSSM	Qal	15.0	14520.00	130	130		Pumping	Jacob	Geraghty and Miller 1980
H-36	Henderson Groundwater	Qal/UMCf	13.0	22900.00	240		0.09	Pumping	Boulton	Stauffer 1983
H-36	Henderson Groundwater	Qal/UMCf	11.0	20100.00	240	240	0.051	Pumping	Jacob	Stauffer 1983
H-43	OSSM	Qal/UMCf	14.0	31500.00	300	300		Pumping	NA	Stauffer 1983
H-48	Treco	Qal	30.0	72000.00	320	320		Pumping	NA	Stauffer 1983
H-49A	Treco	Qal	18.0	11300.00	84	84		Pumping	NA	Stauffer 1983
H-51	Treco	Qal	24.0	14500.00	81	81		Pumping	NA	Stauffer 1983
H-52	NERT site	Qal	2.0	138.00	9.2			Slug	NA	Stauffer 1983
H-52	NERT site	Qal	2.0	229.00	15	12		Slug	NA	Stauffer 1983
H-53	Henderson Groundwater	Qal	20.0	20300.00	140		0.09	Pumping	Boulton	Stauffer 1983
H-53	Henderson Groundwater	Qal	15.7	14700.00	120	130	0.064	Pumping	Jacob	Stauffer 1983
H-54	NERT site	Qal	10.7	10400.00	130		0.083	Pumping	Boulton	Stauffer 1983
H-54	NERT site	Qal	20.0	35200.00	240		0.035	Pumping	Jacob	Stauffer 1983
H-54	NERT site	Qal	20.0	17420.00	120	160	0.043	Pumping	Jacob	Stauffer 1983
I-AA	IWF Area	Qal/UMCf	1.0	2244.16	300	300	0.0002	Step-drawdown	Moench	ENVIRON 2015
I-AB	IWF Area	Qal/UMCf	18.0	28.43	0.20	0.20	0.0200	Step-drawdown	Moench	ENVIRON 2015
I-AC	IWF Area	Qal/UMCf	18.0	4.49	0.030	0.030	0.0050	Step-drawdown	Moench	ENVIRON 2015
I-AD	IWF Area	Qal/UMCf	5.0	44.88	1.2	1.2	0.0002	Step-drawdown	Moench	ENVIRON 2015
I-B	IWF Area	Qal/xMCf/UMCf	16.0	86.03	0.70	0.70	0.0007	Recovery	Moench	ENVIRON 2015
I-D	IWF Area	Qal/xMCf/UMCf	5.0	8228.57	220	220	0.0001	Recovery	Moench	ENVIRON 2015
I-G	IWF Area	Qal/xMCf/UMCf	14.0		0.60	0.60		Recovery	Moench	ENVIRON 2015
I-J	IWF Area	Qal/xMCf/UMCf	17.0	673.25	5.3	5.3	0.0010	Recovery	Moench	ENVIRON 2015
I-K	IWF Area	UMCf (Shallow WBZ)	14.0	501.19	4.8	4.8	0.0025	Recovery	Moench	ENVIRON 2015
I-N	IWF Area	Qal/xMCf/UMCf			28	28		Recovery	Moench	ENVIRON 2015
I-V	IWF Area	Qal/xMCf/UMCf			55	55		Recovery	Moench	ENVIRON 2015
I-W	IWF Area	Qal/xMCf/UMCf			4.2	4.2		Step-drawdown	Moench	ENVIRON 2015
I-X	IWF Area	Qal/xMCf/UMCf			9.7	9.7		Step-drawdown	Moench	ENVIRON 2015
I-Y	IWF Area	Qal/xMCf/UMCf			3.8	3.8		Step-drawdown	Moench	ENVIRON 2015
J	OSSM	Qal	10.0	5000.00	67	67		Pumping	NA	Hargis + Associates 2008
J2D1-R2	TIMET	Qal	13.0	257.48	2.6	2.6	37.3	Constant Rate Pumping	Theis recovery, graphical calculation	Tetra Tech 1998
J2D2-R2	TIMET	Qal	9.4	8800.00	130			Constant Rate Pumping	Theis modified by Cooper-Jacob	TIMET 2007
J2D2-R2	TIMET	Qal	18.7	2034.70	15		37	Constant Rate Pumping	Theis recovery, graphical calculation	Tetra Tech 1998

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J2D2-R2	TIMET	Qal	18.7	7102.75	51		0.00183	Constant Rate Pumping	Cooper-Jacob	Tetra Tech 1998
J2D2-R2	TIMET	Qal	18.7	10315.64	74	66	0.00002	Constant Rate Pumping	Theis	Tetra Tech 1998
LX-150	AMPAC	UMCf (Deep WBZ)	25.8		270			Slug	Bouwer-Rice	Geosyntec 2010
LX-150	AMPAC	UMCf (Deep WBZ)	25.8		240			Slug	Bouwer-Rice	Geosyntec 2010
LX-150	AMPAC	UMCf (Deep WBZ)	25.8		280	265		Slug	Bouwer-Rice	Geosyntec 2010
M-11 (pumping)	NERT site	Qal/xMCf/UMCf		79.20	1.1	1.1		Pumping	Jacob, drawdown	Kerr-McGee 1985
M-11 (slug)	NERT site	Qal/xMCf/UMCf		61.20	0.87	0.87		Slug	Bouwer-Rice	Kerr-McGee 1985
M-117	NERT site	UMCf (Middle WBZ)			0.010			Slug (Falling Head)	KGS Analysis	[5]
M-117	NERT site	UMCf (Middle WBZ)			0.012	0.011		Slug (Rising Head)	KGS Analysis	[5]
M-118	NERT site	UMCf (Middle WBZ)			0.047			Slug (Falling Head)	KGS Analysis	[5]
M-118	NERT site	UMCf (Middle WBZ)			0.050	0.049		Slug (Rising Head)	KGS Analysis	[5]
M-12	NERT site	UMCf (Shallow WBZ)		45.20	2.6	2.6		Slug	Bouwer-Rice	Kerr-McGee 1985
M-13	NERT site	UMCf (Shallow WBZ)		70.10	4.8	4.8		Slug	Bouwer-Rice	Kerr-McGee 1985
M-149	NERT site	UMCf (Middle WBZ)			0.0075			Slug (Falling Head)	KGS Analysis	[5]
M-149	NERT site	UMCf (Middle WBZ)			0.0083	0.0079		Slug (Rising Head)	KGS Analysis	[5]
M-15	IWF Area	Qal		4717.00	41	41		Slug	Bouwer-Rice	Kerr-McGee 1985
M-150	NERT site	UMCf (Middle WBZ)			0.0012			Slug (Falling Head)	KGS Analysis	[5]
M-150	NERT site	UMCf (Middle WBZ)			0.0011	0.0012		Slug (Rising Head)	KGS Analysis	[5]
M-151	NERT site	UMCf (Middle WBZ)			0.0018			Slug (Falling Head)	KGS Analysis	[5]
M-151	NERT site	UMCf (Middle WBZ)			0.0021	0.0019		Slug (Rising Head)	KGS Analysis	[5]
M-152	Treco	UMCf (Middle WBZ)			0.058			Slug (Falling Head)	KGS Analysis	[5]
M-152	Treco	UMCf (Middle WBZ)			0.062	0.060		Slug (Rising Head)	KGS Analysis	[5]
M-153	NERT Site	UMCf (Middle WBZ)			0.0014			Slug (Falling Head)	KGS Analysis	[5]
M-153	NERT site	UMCf (Middle WBZ)			0.0014	0.0014		Slug (Rising Head)	KGS Analysis	[5]
M-154	NERT site	UMCf (Middle WBZ)			0.0022			Slug (Falling Head)	KGS Analysis	[5]
M-154	NERT site	UMCf (Middle WBZ)			0.0023	0.0022		Slug (Rising Head)	KGS Analysis	[5]
M-156	Treco	UMCf (Middle WBZ)			0.00093	0.00093		Slug (Falling Head)	KGS Analysis	[5]
M-161	NERT site	UMCf (Middle WBZ)			0.012			Slug (Falling Head)	KGS Analysis	[5]
M-161	NERT site	UMCf (Middle WBZ)			0.0082	0.0099		Slug (Rising Head)	KGS Analysis	[5]
M-161D	NERT site	UMCf (Middle WBZ)			0.024			Slug (Falling Head)	KGS Analysis	[5]
M-161D	NERT site	UMCf (Middle WBZ)			0.028	0.026		Slug (Rising Head)	KGS Analysis	[5]
M-162	NERT site	UMCf (Middle WBZ)			0.11			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-162	NERT site	UMCf (Middle WBZ)			0.12			Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-162	NERT site	UMCf (Middle WBZ)			0.12			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-162	NERT site	UMCf (Middle WBZ)			0.096			Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-162	NERT site	UMCf (Middle WBZ)			0.087			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-162	NERT site	UMCf (Middle WBZ)			0.037			Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-162	NERT site	UMCf (Middle WBZ)			0.082			Slug (Falling Head)	KGS Analysis	[5]

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Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
M-162	NERT site	UMCf (Middle WBZ)			0.086	0.092		Slug (Rising Head)	KGS Analysis	[5]
M-162D	NERT site	UMCf (Middle WBZ)			0.0022	0.0022		Slug (Falling Head)	KGS Analysis	[5]
M-163	NERT site	UMCf (Shallow WBZ)			0.0050			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-163	NERT site	UMCf (Shallow WBZ)			0.0041	0.0046		Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-164	NERT site	UMCf (Shallow WBZ)			0.071			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-164	NERT site	UMCf (Shallow WBZ)			0.096			Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-164	NERT site	UMCf (Shallow WBZ)			0.063			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-164	NERT site	UMCf (Shallow WBZ)			0.073			Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-164	NERT site	UMCf (Shallow WBZ)			0.079			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-164	NERT site	UMCf (Shallow WBZ)			0.078	0.077		Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-17	NERT site	Qal		1445.00	24	24		Slug	Bouwer-Rice	Kerr-McGee 1985
M-181	NERT site	UMCf (Middle WBZ)			0.21			Slug (Falling Head)	KGS Analysis	[5]
M-181	NERT site	UMCf (Middle WBZ)			0.23			Slug (Falling Head)	KGS Analysis	[5]
M-181	NERT site	UMCf (Middle WBZ)			0.24			Slug (Rising Head)	KGS Analysis	[5]
M-181	NERT site	UMCf (Middle WBZ)			0.22	0.22		Slug (Rising Head)	KGS Analysis	[5]
M-186	NERT site	UMCf (Middle WBZ)			0.23			Slug (Falling Head)	KGS Analysis	[5]
M-186	NERT site	UMCf (Middle WBZ)			0.21			Slug (Falling Head)	KGS Analysis	[5]
M-186	NERT site	UMCf (Middle WBZ)			0.26			Slug (Rising Head)	KGS Analysis	[5]
M-186	NERT site	UMCf (Middle WBZ)			0.22	0.23		Slug (Rising Head)	KGS Analysis	[5]
M-186D	NERT site	UMCf (Middle WBZ)			0.0051	0.0051		Slug (Falling Head)	KGS Analysis	[5]
M-187	NERT site	UMCf (Middle WBZ)			0.0083			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-187	NERT site	UMCf (Middle WBZ)			0.0037			Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-187	NERT site	UMCf (Middle WBZ)			0.014			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-187	NERT site	UMCf (Middle WBZ)			0.0065			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-187	NERT site	UMCf (Middle WBZ)			0.011			Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-187	NERT site	UMCf (Middle WBZ)			0.015			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-187	NERT site	UMCf (Middle WBZ)			0.0090	0.0096		Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-188	NERT site	UMCf (Middle WBZ)			0.068			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-188	NERT site	UMCf (Middle WBZ)			0.083			Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-188	NERT Site	UMCf (Middle WBZ)			0.028			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-188	NERT Site	UMCf (Middle WBZ)			0.043			Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-188	NERT Site	UMCf (Middle WBZ)			0.070			Slug (Falling Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-188	NERT site	UMCf (Middle WBZ)			0.080	0.062		Slug (Rising Head)	Average of Hvorslev and Bouwer-Rice	Northgate 2010
M-2 (slug)	NERT site	Qal		1219.00	42	42		Slug	Bouwer-Rice	Kerr-McGee 1985
M-2 (pumping)	NERT site	Qal		1764.00	61	61		Pumping	Jacob, drawdown	Kerr-McGee 1985
M-27	NERT site	Qal		23786.00	200	200		Slug	Bouwer-Rice	Kerr-McGee 1985
M-3	NERT site	Qal		2379.00	130	130		Slug	Bouwer-Rice	Kerr-McGee 1985
M-4	NERT site	Qal		231.00	6.7	6.7		Slug	Bouwer-Rice	Kerr-McGee 1985

TABLE C-1: HISTORICAL AQUIFER TESTING DATA COMPILATION
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
M-8	NERT site	Qal		3628.00	110	110		Slug	Bouwer-Rice	Kerr-McGee 1985
M-9	NERT site	Qal		180.00	7.3	7.3		Slug	Bouwer-Rice	Kerr-McGee 1985
MC-21	Henderson Groundwater	Qal/UMCf	4.0	1530.00	51	51		Slug	NA	Stauffer 1983
MC-25	Henderson Groundwater	Qal/UMCf	5.0	229.00	6.1	6.1		Slug	NA	Stauffer 1983
MC-32	NERT site	Qal	5.0	160.00	4.3	4.3		Slug	NA	Stauffer 1983
MCF-03B	BMI Common Area (Eastside)	UMCf (Shallow WBZ)			0.18	0.18		Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007a
MCF-06C	BMI Common Area (Eastside)	UMCf (Shallow WBZ)			1.5	1.5		Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007a
MCF-16C	BMI Common Area (Eastside)	Qal/UMCf			0.24	0.24		Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2007a
MCF-24B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	121.9		0.0050			Slug	Hvorslev	Converse Consultants 2009
MCF-24B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	121.9		0.0060			Slug	Bouwer-Rice	Converse Consultants 2009
MCF-24B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	121.9		0.0016			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-24B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	121.9		0.0015			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-24B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	121.9		0.010			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-24B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	121.9		0.014			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-24B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	121.9		0.0034			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-24B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	121.9		0.0032			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-24B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	121.9		0.061			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-24B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	121.9		0.082	0.019		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-28A	BMI Common Area (Eastside)	UMCf (Deep WBZ)	346.4		0.0040			Slug	Hvorslev	Converse Consultants 2009
MCF-28A	BMI Common Area (Eastside)	UMCf (Deep WBZ)	346.4		0.0040			Slug	Bouwer-Rice	Converse Consultants 2009
MCF-28A	BMI Common Area (Eastside)	UMCf (Deep WBZ)	346.4		0.0038			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-28A	BMI Common Area (Eastside)	UMCf (Deep WBZ)	346.4		0.0040			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-28A	BMI Common Area (Eastside)	UMCf (Deep WBZ)	346.4		0.0011			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-28A	BMI Common Area (Eastside)	UMCf (Deep WBZ)	346.4		0.0012			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-28A	BMI Common Area (Eastside)	UMCf (Deep WBZ)	346.4		0.0073			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-28A	BMI Common Area (Eastside)	UMCf (Deep WBZ)	346.4		0.0078			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-28A	BMI Common Area (Eastside)	UMCf (Deep WBZ)	346.4		0.0032			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-28A	BMI Common Area (Eastside)	UMCf (Deep WBZ)	346.4		0.0034	0.0040		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-28B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	144.4		0.044			Slug	Hvorslev	Converse Consultants 2009
MCF-28B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	144.4		0.043			Slug	Bouwer-Rice	Converse Consultants 2009
MCF-28B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	144.4		0.13			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-28B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	144.4		0.13			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-28B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	144.4		0.0012			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-28B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	144.4		0.0012			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-28B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	144.4		0.074			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-28B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	144.4		0.072			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-28B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	144.4		0.013			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-28B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	144.4		0.013	0.052		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009

TABLE C-1: HISTORICAL AQUIFER TESTING DATA COMPILATION
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.077			Slug	Hvorslev	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.066			Slug	Bouwer-Rice	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		NA			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.082			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.082			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.061			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.082			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.061			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.061			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.045			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.082			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.082			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.20			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-29A	BMI Common Area (Residential)	UMCf (Deep WBZ)	113.4		0.27	0.10		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.021			Slug	Hvorslev	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.020			Slug	Bouwer-Rice	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.0024			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.0025			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.00092			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.00092			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.0039			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.0040			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.0018			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.0019			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.033			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.018			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.025			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.033			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.00037			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.0017			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.061			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-29B	BMI Common Area (Residential)	UMCf (Middle WBZ)	317.9		0.082	0.017		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.032			Slug	Hvorslev	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.034			Slug	Bouwer-Rice	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.018			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.018			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.082			Slug (Rising Head)	Hvorslev	Converse Consultants 2009

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Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.082			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.018			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.025			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.11			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.11			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.025			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.018			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.018			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-30A	BMI Common Area	UMCf (Deep WBZ)	338.4		0.025	0.044		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.030			Slug	Hvorslev	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.029			Slug	Bouwer-Rice	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.015			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.014			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.11			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.11			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.032			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.11			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.032			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.031			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.061			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.061			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.018			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.010			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.010			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.014			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.045			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-30B	BMI Common Area	UMCf (Middle WBZ)	132.4		0.045	0.040		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	374.9		0.0050			Slug	Hvorslev	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	374.9		0.0050			Slug	Bouwer-Rice	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	374.9		0.0061			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	374.9		0.0065			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	374.9		0.0028			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	374.9		0.0030			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	374.9		0.0086			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	374.9		0.0093			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	374.9		0.0026			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	374.9		0.0028			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	379.4		0.025			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	379.4		0.025			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009

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Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	379.4		0.0036			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-31A	BMI Common Area	UMCf (Deep WBZ)	379.4		0.0036	0.0077		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.0070			Slug	Hvorslev	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.0090			Slug	Bouwer-Rice	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.010			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.015			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.0053			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.0054			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.010			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.010			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.0068			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.0070			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.0012			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.00092			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.061			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-31B	BMI Common Area	UMCf (Middle WBZ)	223.9		0.061	0.015		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-32B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	104.9		0.077			Slug	Hvorslev	Converse Consultants 2009
MCF-32B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	104.9		0.076			Slug	Bouwer-Rice	Converse Consultants 2009
MCF-32B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	104.9		0.082			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-32B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	104.9		0.076			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-32B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	104.9		0.11			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-32B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	104.9		0.082			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-32B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	104.9		0.068			Slug (Falling Head)	Hvorslev	Converse Consultants 2009
MCF-32B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	104.9		0.064			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2009
MCF-32B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	104.9		0.082			Slug (Rising Head)	Hvorslev	Converse Consultants 2009
MCF-32B	BMI Common Area (Eastside)	UMCf (Middle WBZ)	104.9		0.082	0.080		Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2009
MCF-BW-10A	BMI (CAMU)	UMCf (Middle WBZ)	29.3		2.5			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-10A	BMI (CAMU)	UMCf (Middle WBZ)	29.3		2.8			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-10A	BMI (CAMU)	UMCf (Middle WBZ)	29.3		2.9			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-10A	BMI (CAMU)	UMCf (Middle WBZ)	29.3		2.9	2.8		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-11A	BMI (CAMU)	UMCf (Middle WBZ)	26.2		1.0			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-11A	BMI (CAMU)	UMCf (Middle WBZ)	26.2		1.0			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-11A	BMI (CAMU)	UMCf (Middle WBZ)	26.2		1.1			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-11A	BMI (CAMU)	UMCf (Middle WBZ)	26.2		1.1	1.0		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-12A	BMI (CAMU)	Qal	20.0		21			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-12A	BMI (CAMU)	Qal	20.0		23			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-12A	BMI (CAMU)	Qal	20.0		38			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008

TABLE C-1: HISTORICAL AQUIFER TESTING DATA COMPILATION
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
MCF-BW-12A	BMI (CAMU)	Qal	20.0		28			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-12A	BMI (CAMU)	Qal	20.0		22			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-12A	BMI (CAMU)	Qal	20.0		31			Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-12A	BMI (CAMU)	Qal	20.0		31			Slug (Falling Head)	Bouwer-Rice	Kleinfelder 2008
MCF-BW-12A	BMI (CAMU)	Qal	20.0		19	27		Slug (Rising Head)	Bouwer-Rice	Kleinfelder 2008
MC-MW-18	NERT site	UMCf (Middle WBZ)			0.46			Slug (Falling Head)	KGS Analysis	[5]
MC-MW-18	NERT site	UMCf (Middle WBZ)			0.44			Slug (Falling Head)	KGS Analysis	[5]
MC-MW-18	NERT site	UMCf (Middle WBZ)			0.43			Slug (Rising Head)	KGS Analysis	[5]
MC-MW-18	NERT site	UMCf (Middle WBZ)			0.45	0.44		Slug (Rising Head)	KGS Analysis	[5]
MC-MW-32	NERT Site	UMCf (Middle WBZ)			0.055			Slug (Falling Head)	Bouwer-Rice	AECOM 2011
MC-MW-32	NERT site	UMCf (Middle WBZ)			0.085			Slug (Falling Head)	Hvorslev	AECOM 2011
MC-MW-32	NERT Site	UMCf (Middle WBZ)			0.020			Slug (Rising Head)	Bouwer-Rice	AECOM 2011
MC-MW-32	NERT Site	UMCf (Middle WBZ)			0.029	0.047		Slug (Rising Head)	Hvorslev	AECOM 2011
MC-MW-33	Henderson Groundwater	UMCf (Middle WBZ)			0.011			Slug (Falling Head)	Bouwer-Rice	AECOM 2011
MC-MW-33	Henderson Groundwater	UMCf (Middle WBZ)			0.014			Slug (Falling Head)	Hvorslev	AECOM 2011
MC-MW-33	Henderson Groundwater	UMCf (Middle WBZ)			0.0030			Slug (Rising Head)	Bouwer-Rice	AECOM 2011
MC-MW-33	Henderson Groundwater	UMCf (Middle WBZ)			0.0040	0.0080		Slug (Rising Head)	Hvorslev	AECOM 2011
MC-MW-34	Henderson Groundwater	UMCf (Middle WBZ)			0.069			Slug (Falling Head)	Bouwer-Rice	AECOM 2011
MC-MW-34	Henderson Groundwater	UMCf (Middle WBZ)			0.093			Slug (Falling Head)	Hvorslev	AECOM 2011
MC-MW-34	Henderson Groundwater	UMCf (Middle WBZ)			0.064			Slug (Rising Head)	Bouwer-Rice	AECOM 2011
MC-MW-34	Henderson Groundwater	UMCf (Middle WBZ)			0.086	0.078		Slug (Rising Head)	Hvorslev	AECOM 2011
MC-MW-35	Henderson Groundwater	UMCf (Middle WBZ)			1.0			Slug (Falling Head)	Bouwer-Rice	AECOM 2011
MC-MW-35	Henderson Groundwater	UMCf (Middle WBZ)			1.3			Slug (Falling Head)	Hvorslev	AECOM 2011
MC-MW-35	Henderson Groundwater	UMCf (Middle WBZ)			0.64			Slug (Rising Head)	Bouwer-Rice	AECOM 2011
MC-MW-35	Henderson Groundwater	UMCf (Middle WBZ)			0.85	0.95		Slug (Rising Head)	Hvorslev	AECOM 2011
MC-MW-36	Treco	UMCf (Middle WBZ)			0.067			Slug (Falling Head)	Bouwer-Rice	AECOM 2011
MC-MW-36	Treco	UMCf (Middle WBZ)			0.10			Slug (Falling Head)	Hvorslev	AECOM 2011
MC-MW-36	Treco	UMCf (Middle WBZ)			0.024			Slug (Rising Head)	Bouwer-Rice	AECOM 2011
MC-MW-36	Treco	UMCf (Middle WBZ)			0.032	0.056		Slug (Rising Head)	Hvorslev	AECOM 2011
MC-MW-37	Treco	UMCf (Middle WBZ)			6.9			Slug (Falling Head)	Bouwer-Rice	AECOM 2011
MC-MW-37	Treco	UMCf (Middle WBZ)			8.7			Slug (Falling Head)	Hvorslev	AECOM 2011
MC-MW-37	Treco	UMCf (Middle WBZ)			8.9			Slug (Rising Head)	Bouwer-Rice	AECOM 2011
MC-MW-37	Treco	UMCf (Middle WBZ)			9.9	8.6		Slug (Rising Head)	Hvorslev	AECOM 2011
MC-MW-38	Treco	UMCf (Middle WBZ)			0.12			Slug (Falling Head)	Bouwer-Rice	AECOM 2011
MC-MW-38	Treco	UMCf (Middle WBZ)			0.12			Slug (Falling Head)	Hvorslev	AECOM 2011
MC-MW-38	Treco	UMCf (Middle WBZ)			0.26			Slug (Rising Head)	Bouwer-Rice	AECOM 2011
MC-MW-38	Treco	UMCf (Middle WBZ)			0.36	0.21		Slug (Rising Head)	Hvorslev	AECOM 2011

TABLE C-1: HISTORICAL AQUIFER TESTING DATA COMPILATION
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
MC-MW-39	NERT site	UMCf (Middle WBZ)			0.25			Slug (Falling Head)	KGS Analysis	[5]
MC-MW-39	NERT site	UMCf (Middle WBZ)			0.22			Slug (Falling Head)	KGS Analysis	[5]
MC-MW-39	NERT site	UMCf (Middle WBZ)			0.27			Slug (Rising Head)	KGS Analysis	[5]
MC-MW-39	NERT site	UMCf (Middle WBZ)			NA	0.2		Slug (Rising Head)	KGS Analysis	[5]
MC-MW-42	NERT site	UMCf (Middle WBZ)			0.011			Slug (Falling Head)	KGS Analysis	[5]
MC-MW-42	NERT site	UMCf (Middle WBZ)			0.012	0.011		Slug (Rising Head)	KGS Analysis	[5]
MW-2	Las Vegas Wash	Qal/UMCf			29			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			33			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			35			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			57			Slug (Falling Head)	Hvorslev	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			59			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			67			Slug (Falling Head)	Hvorslev	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			70			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			73			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			80			Slug (Rising Head)	Hvorslev	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			80			Slug (Rising Head)	Hvorslev	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			80			Slug (Rising Head)	Hvorslev	Converse Consultants 2006b
MW-2	Las Vegas Wash	Qal/UMCf			110	64		Slug (Falling Head)	Hvorslev	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			33			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			38			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			39			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			42			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			46			Slug (Rising Head)	Hvorslev	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			53			Slug (Rising Head)	Hvorslev	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			54			Slug (Rising Head)	Hvorslev	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			56			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			59			Slug (Falling Head)	Hvorslev	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			59			Slug (Falling Head)	Hvorslev	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			66			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006b
MW-6	Las Vegas Wash	Qal/UMCf			87	53		Slug (Falling Head)	Hvorslev	Converse Consultants 2006b
MW-9A	Las Vegas Wash	Qal			50			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			71			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			80			Slug (Falling Head)	Hvorslev	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			96			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			98			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			100			Slug (Falling Head)	Hvorslev	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			110			Slug (Rising Head)	Hvorslev	Converse Consultants 2006a

TABLE C-1: HISTORICAL AQUIFER TESTING DATA COMPILATION
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
MW-9A	Las Vegas Wash	Qal			130			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			130			Slug (Falling Head)	Hvorslev	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			130			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			150			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			160			Slug (Rising Head)	Hvorslev	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			160			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			170			Slug (Falling Head)	Hvorslev	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			190			Slug (Rising Head)	Hvorslev	Converse Consultants 2006a
MW-9A	Las Vegas Wash	Qal			220	127		Slug (Rising Head)	Hvorslev	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			32			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			44			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			46			Slug (Falling Head)	Hvorslev	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			59			Slug (Falling Head)	Hvorslev	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			59			Slug (Falling Head)	Hvorslev	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			62			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			72			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			72			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			80			Slug (Falling Head)	Bouwer-Rice	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			100			Slug (Rising Head)	Bouwer-Rice	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			110			Slug (Rising Head)	Hvorslev	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			110			Slug (Rising Head)	Hvorslev	Converse Consultants 2006a
MW-14	Las Vegas Wash	Qal			140	76		Slug (Rising Head)	Hvorslev	Converse Consultants 2006a
MW-AL	AMPAC	UMCf (Deep WBZ)	74.0		3.7			Slug	Bouwer-Rice	Geosyntec 2010
MW-AL	AMPAC	UMCf (Deep WBZ)	74.0		3.8	3.8		Slug	Bouwer-Rice	Geosyntec 2010
MW-C	AMPAC	UMCf (Deep WBZ)	38.0		3.6	3.6		Slug	Bouwer-Rice	Geosyntec 2010
MW-D2D	AMPAC	UMCf (Deep WBZ)	33.0		2.6			Slug	Bouwer-Rice	Geosyntec 2010
MW-D2D	AMPAC	UMCf (Deep WBZ)	33.0		2.7			Slug	Bouwer-Rice	Geosyntec 2010
MW-D2D	AMPAC	UMCf (Deep WBZ)	33.0		2.6	2.6		Slug	Bouwer-Rice	Geosyntec 2010
MW-NXP	AMPAC	Qal	13.0	73615.80	760.0	760.0		Constant Rate Pumping	Walton	Kleinfelder 2005
MW-OXP	AMPAC	Qal/xMCf	13.0	69725.93	720.0	720.0		Constant Rate Pumping	Walton	Kleinfelder 2005
MW-PXP	AMPAC	Qal	13.0	71139.75	730.0	730.0		Constant Rate Pumping	Walton	Kleinfelder 2005
PC-115R	SWF Area	Qal		5917.00	23	23		Pumping	NA	Krish 2012
PC-117	SWF Area	Qal	46.5	3705.00	11			Step-drawdown	Specific Capacity[3]	Krish 2012
PC-117	SWF Area	Qal	46.5	3975.00	11			Step-drawdown	Specific Capacity[3]	Krish 2012
PC-117	SWF Area	Qal	46.5	4898.00	14			Step-drawdown	Specific Capacity[3]	Krish 2012
PC-117	SWF Area	Qal	46.5	9646.00	28	28		Step-drawdown	Jacob[1]	Krish 2012
PC-118	SWF Area	Qal	45.5	6753.00	20			Step-drawdown	Specific Capacity[3]	Krish 2012
PC-118	SWF Area	Qal	45.5	8433.00	25			Step-drawdown	Specific Capacity[3]	Krish 2012

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Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
PC-118	SWF Area	Qal	45.5	12429.00	37			Step-drawdown	Specific Capacity[3]	Krish 2012
PC-118	SWF Area	Qal	45.5	47850.00	140	140		Step-drawdown	Jacob[1]	Krish 2012
PC-119	SWF Area	Qal	44.5	16500.00	50			Step-drawdown	Specific Capacity[3]	Krish 2012
PC-119	SWF Area	Qal	44.5	26794.00	80			Step-drawdown	Specific Capacity[3]	Krish 2012
PC-119	SWF Area	Qal	44.5	31299.00	94			Step-drawdown	Specific Capacity[3,4]	Krish 2012
PC-119	SWF Area	Qal	44.5	1518000.00	4560	94		Step-drawdown	Jacob[1,2]	Krish 2012
PC-120	SWF Area	Qal	43.3	8322.00	26			Step-drawdown	Specific Capacity[3]	Krish 2012
PC-120	SWF Area	Qal	43.3	10658.00	33			Step-drawdown	Specific Capacity[3]	Krish 2012
PC-120	SWF Area	Qal	43.3	12059.00	37			Step-drawdown	Specific Capacity[3,4]	Krish 2012
PC-120	SWF Area	Qal	43.3	293040.00	905	37		Step-drawdown	Jacob[1,2]	Krish 2012
PC-133	SWF Area	Qal/xMCf/UMCf	31.3	3374.00	14	14		Step-drawdown	Jacob	Krish 2012
PC-134A	AWF Area	UMCf (Middle WBZ)	40.6		3.4			Slug (Falling Head)	Bouwer-Rice	ENVIRON 2015
PC-134A	AWF Area	UMCf (Middle WBZ)	40.6		3.6			Slug (Rising Head)	Bouwer-Rice	ENVIRON 2015
PC-134A	AWF Area	UMCf (Middle WBZ)	40.6		3.3			Slug (Falling Head)	Bouwer-Rice	ENVIRON 2015
PC-134A	AWF Area	UMCf (Middle WBZ)	40.6		3.2			Slug (Rising Head)	Bouwer-Rice	ENVIRON 2015
PC-134A	AWF Area	UMCf (Middle WBZ)	40.6		3.6			Slug (Falling Head)	KGS Analysis	ENVIRON 2015
PC-134A	AWF Area	UMCf (Middle WBZ)	40.6		3.9			Slug (Rising Head)	KGS Analysis	ENVIRON 2015
PC-134A	AWF Area	UMCf (Middle WBZ)	40.6		3.5			Slug (Falling Head)	KGS Analysis	ENVIRON 2015
PC-134A	AWF Area	UMCf (Middle WBZ)	40.6		3.5	3.5		Slug (Rising Head)	KGS Analysis	ENVIRON 2015
PC-137	AWF Area	UMCf (Middle WBZ)	41.9		3.9			Slug (Falling Head)	Bouwer-Rice	ENVIRON 2015
PC-137	AWF Area	UMCf (Middle WBZ)	41.9		4.4			Slug (Rising Head)	Bouwer-Rice	ENVIRON 2015
PC-137	AWF Area	UMCf (Middle WBZ)	41.9		4.0			Slug (Falling Head)	Bouwer-Rice	ENVIRON 2015
PC-137	AWF Area	UMCf (Middle WBZ)	41.9		4.0			Slug (Rising Head)	Bouwer-Rice	ENVIRON 2015
PC-137	AWF Area	UMCf (Middle WBZ)	41.9		4.3			Slug (Falling Head)	KGS Analysis	ENVIRON 2015
PC-137	AWF Area	UMCf (Middle WBZ)	41.9		4.6			Slug (Rising Head)	KGS Analysis	ENVIRON 2015
PC-137	AWF Area	UMCf (Middle WBZ)	41.9		4.0			Slug (Falling Head)	KGS Analysis	ENVIRON 2015
PC-137	AWF Area	UMCf (Middle WBZ)	41.9		4.4	4.2		Slug (Rising Head)	KGS Analysis	ENVIRON 2015
PC-148	AWF Area	UMCf (Middle WBZ)	16.3		0.10			Slug (Falling Head)	Bouwer-Rice	ENVIRON 2015
PC-148	AWF Area	UMCf (Middle WBZ)	16.3		0.10			Slug (Rising Head)	Bouwer-Rice	ENVIRON 2015
PC-148	AWF Area	UMCf (Middle WBZ)	16.3		0.10			Slug (Falling Head)	KGS Analysis	ENVIRON 2015
PC-148	AWF Area	UMCf (Middle WBZ)	16.3		0.10	0.10		Slug (Rising Head)	KGS Analysis	ENVIRON 2015
PC-149	AWF Area	Qal/UMCf	15.2		0.80			Slug (Falling Head)	Bouwer-Rice	ENVIRON 2015
PC-149	AWF Area	Qal/UMCf	15.2		1.1			Slug (Rising Head)	Bouwer-Rice	ENVIRON 2015
PC-149	AWF Area	Qal/UMCf	15.2		0.80			Slug (Falling Head)	Bouwer-Rice	ENVIRON 2015
PC-149	AWF Area	Qal/UMCf	15.2		1.1			Slug (Rising Head)	Bouwer-Rice	ENVIRON 2015
PC-149	AWF Area	Qal/UMCf	15.2		1.5			Slug (Falling Head)	KGS Analysis	ENVIRON 2015
PC-149	AWF Area	Qal/UMCf	15.2		1.1			Slug (Rising Head)	KGS Analysis	ENVIRON 2015

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Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
PC-149	AWF Area	Qal/UMCf	15.2		1.3			Slug (Falling Head)	KGS Analysis	ENVIRON 2015
PC-149	AWF Area	Qal/UMCf	15.2		1.0	1.1		Slug (Rising Head)	KGS Analysis	ENVIRON 2015
PC-150	AWF Area	Qal			4.5	4.5		Step-drawdown	Moench	ENVIRON 2015
PC-54	Former NERT Property (Commercial)	Qal	19.4	17094.00	120	120		Constant Rate Pumping	Theis modified by Cooper-Jacob	TIMET 2007
PC-55	AWF Area	Qal		1590.00	7.6			Pumping	Jacob, drawdown	Kerr-McGee 1998a
PC-55	AWF Area	Qal		1073.00	5.1			Pumping	Theis	Kerr-McGee 1998a
PC-55	AWF Area	Qal		1236.00	5.9			Pumping	Jacob, drawdown	Kerr-McGee 1998a
PC-55	AWF Area	Qal		1360.00	6.6	6.3		Pumping	Jacob, recovery	Kerr-McGee 1998a
PC-65	BMI Common Area (Residential)	Qal	13.0	1892.00	19	19		Constant Rate Pumping	Theis modified by Cooper-Jacob	TIMET 2007
PC-67	BMI Common Area (Residential)	Qal	24.9	4048.00	22	22		Constant Rate Pumping	Theis modified by Cooper-Jacob	TIMET 2007
PC-70	AWF Area	Qal	32.0	49500.00	210			Pumping	Jacob, drawdown	Kerr-McGee 1998b
PC-70	AWF Area	Qal	32.0	69882.00	290			Pumping	Jacob, recovery	Kerr-McGee 1998b
PC-70	AWF Area	Qal	33.0	49500.00	200		0.08	Pumping	Jacob, drawdown	Kerr-McGee 1998b
PC-70	AWF Area	Qal	33.0	56048.00	230		0.03	Pumping	Theis	Kerr-McGee 1998b
PC-70	AWF Area	Qal	33.0	46877.00	190		0.04	Pumping	Boulton	Kerr-McGee 1998b
PC-70	AWF Area	Qal	33.0	79200.00	320			Pumping	Jacob, recovery	Kerr-McGee 1998b
PC-70	AWF Area	Qal	33.0	40966.00	170		0.03	Pumping	Jacob, drawdown	Kerr-McGee 1998b
PC-70	AWF Area	Qal	33.0	54282.00	220		0.08	Pumping	Theis	Kerr-McGee 1998b
PC-70	AWF Area	Qal	33.0	53714.00	220		0.09	Pumping	Boulton	Kerr-McGee 1998b
PC-70	AWF Area	Qal	33.0	108000.00	440			Pumping	Jacob, recovery	Kerr-McGee 1998b
PC-70	AWF Area	Qal	37.0	66000.00	240		0.11	Pumping	Jacob, drawdown	Kerr-McGee 1998b
PC-70	AWF Area	Qal	37.0	46877.00	170		0.03	Pumping	Theis	Kerr-McGee 1998b
PC-70	AWF Area	Qal	37.0	39666.00	140		0.04	Pumping	Boulton	Kerr-McGee 1998b
PC-70	AWF Area	Qal	37.0	132000.00	480			Pumping	Jacob, recovery	Kerr-McGee 1998b
PC-70	AWF Area	Qal	34.0	51652.00	200		0.04	Pumping	Jacob, drawdown	Kerr-McGee 1998b
PC-70	AWF Area	Qal	34.0	49500.00	200		0.08	Pumping	Jacob, drawdown	Kerr-McGee 1998b
PC-70	AWF Area	Qal	34.0	48490.00	190		0.1	Pumping	Jacob, drawdown	Kerr-McGee 1998b
PC-70	AWF Area	Qal	34.0	51652.00	200		0.08	Pumping	Jacob, drawdown	Kerr-McGee 1998b
PC-70	AWF Area	Qal	34.0	51652.00	200		0.06	Pumping	Jacob, drawdown	Kerr-McGee 1998b
PC-70	AWF Area	Qal	30.0	70129.88	310			Tracer Test (deionized wate	Darcy's Law	Montgomery & Associates 2000
PC-70	AWF Area	Qal	30.0	84155.85	380			Tracer Test (deionized wate	Darcy's Law	Montgomery & Associates 2000
PC-70	AWF Area	Qal	30.0	84155.85	380	237		Tracer Test (bromide)	Darcy's Law	Montgomery & Associates 2000
PC-98R	City of Henderson	Qal	25.0	55000.00	290			Recovery	Theis	Montgomery & Associates 2000
PC-98R	City of Henderson	Qal	25.0	90000.00	480			Constant Rate Pumping	Cooper-Jacob	Montgomery & Associates 2000

TABLE C-1: HISTORICAL AQUIFER TESTING DATA COMPILATION
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
PC-98R	City of Henderson	Qal	25.0	55000.00	290			Recovery	Theis	Montgomery & Associates 2000
PC-98R	City of Henderson	Qal	25.0	70000.00	370		0.08	Constant Rate Pumping	Cooper-Jacob	Montgomery & Associates 2000
PC-98R	City of Henderson	Qal	25.0	55000.00	290			Recovery	Theis	Montgomery & Associates 2000
PC-98R	City of Henderson	Qal	25.0	70000.00	370		0.08	Constant Rate Pumping	Cooper-Jacob	Montgomery & Associates 2000
PC-98R	City of Henderson	Qal	25.0	55000.00	290			Recovery	Theis	Montgomery & Associates 2000
PC-98R	City of Henderson	Qal	25.0	84155.85	450	290		Tracer Test (Deionized wate	Darcy's Law	Montgomery & Associates 2000
PC-99R	SWF Area	Qal	32.0	160000.00	610			Recovery	Theis	Montgomery & Associates 2000
PC-99R	SWF Area	Qal	32.0	130000.00	540			Constant Rate Pumping	Cooper-Jacob	Montgomery & Associates 2000
PC-99R	SWF Area	Qal	32.0	170000.00	710			Recovery	Theis	Montgomery & Associates 2000
PC-99R	SWF Area	Qal	32.0	110000.00	460		0.002	Constant Rate Pumping	Cooper-Jacob	Montgomery & Associates 2000
PC-99R	SWF Area	Qal	32.0	150000.00	630			Recovery	Theis	Montgomery & Associates 2000
PC-99R	SWF Area	Qal	32.0	130000.00	540			Constant Rate Pumping	Cooper-Jacob	Montgomery & Associates 2000
PC-99R	SWF Area	Qal	32.0	160000.00	670			Recovery	Theis	Montgomery & Associates 2000
PC-99R	SWF Area	Qal	32.0	203470.14	850			Tracer Test (Deionized wate	Darcy's Law	Montgomery & Associates 2000
PC-99R	SWF Area	Qal	32.0	143625.98	600	610		Tracer Test (drift and pumpi	Darcy's Law	Montgomery & Associates 2000
PC-99R3	SWF Area	Qal		3050.00	NA	NA		Pumping	NA	Krish 2012
POD6-R	BMI Common Area (Eastside)	Qal	5.5	28298.81	690		0.00000204	Constant Rate Pumping	Theis recovery, graphical calculation	Tetra Tech 1998
POD6-R	BMI Common Area (Eastside)	Qal	5.5	35659.64	870	777	0.00619	Constant Rate Pumping	Theis recovery, graphical calculation	Tetra Tech 1998
POD8	BMI Common Area (Eastside)	Qal	13.8	215.74	2.1		0.014	Constant Rate Pumping	Neuman	Tetra Tech 1998
POD8	BMI Common Area (Eastside)	Qal	13.8	328.54	3.2	2.6	46.4	Constant Rate Pumping	Theis recovery, graphical calculation	Tetra Tech 1998
POU1 (pumping)	BMI Common Area (Eastside)	Qal	14.4	1.87	0.017	0.017		Constant Rate Pumping	Bouwer-Rice	Tetra Tech 1998
POU1 (slug)	BMI Common Area (Eastside)	Qal	14.4	6.04	0.056	0.056	1E-10	Slug	Cooper-Papodopolous	Tetra Tech 1998
P-W	Las Vegas Wash	Qal	38.0	482308.00	1700		0.096	Constant Rate Pumping	Jacob	Converse Consultants 1986
P-W	Las Vegas Wash	Qal	38.0	501600.00	1800		0.066	Constant Rate Pumping	Jacob	Converse Consultants 1986
P-W	Las Vegas Wash	Qal	38.0	557333.00	2000	1833	0.794	Constant Rate Pumping	Jacob	Converse Consultants 1986
PW-1	OSSM	xMCf/UMCf (Shallow WBZ)	NA	NA	1.2			Slug (Rising Head)	Bouwer-Rice	SECOR 2000
PW-1	OSSM	xMCf/UMCf (Shallow WBZ)	NA	NA	0.82	1.01		Slug (Falling Head)	Bouwer-Rice	SECOR 2000
SB-1-8	AMPAC	Qal/xMCf	4.0	3216.62	110.0	110.0		Step-drawdown	MODFLOW	Kleinfelder 2005
SB-2-7	AMPAC	Qal/xMCf	5.0	3366.23	90.0	90.0		Step-drawdown	MODFLOW	Kleinfelder 2005
SB-29-3	AMPAC	Qal/xMCf	2.0	9724.68	650.0	650.0		Step-drawdown	MODFLOW	Kleinfelder 2005
TMMW-101	TIMET	Qal	24.8	427.00	2.3	2.3		Constant Rate Pumping	Theis modified by Cooper-Jacob	TIMET 2007
TMMW-102	TIMET	Qal/UMCf	15.2	8.20	0.072	0.072		Slug	Bouwer-Rice	TIMET 2007
TMMW-103	TIMET	Qal	13.6	145.00	1.4	1.4		Constant Rate Pumping	Theis modified by Cooper-Jacob	TIMET 2007
TMMW-104	TIMET	Qal/UMCf	15.5	145.00	1.3	1.3		Constant Rate Pumping	Theis modified by Cooper-Jacob	TIMET 2007
TMPZ-105	TIMET	Qal/UMCf	2.7	215.00	11	11		Recovery	Theis modified by Cooper-Jacob	TIMET 2008
TMPZ-106	TIMET	Qal	8.8	2711.00	41	41		Recovery	Theis modified by Cooper-Jacob	TIMET 2008
TMPZ-107	TIMET	Qal	7.2	4840.00	90	90		Recovery	Theis modified by Cooper-Jacob	TIMET 2008

TABLE C-1: HISTORICAL AQUIFER TESTING DATA COMPILATION
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
TMPZ-108	TIMET	Qal	13.0	1432.00	15	15		Recovery	Theis modified by Cooper-Jacob	TIMET 2008
TMPZ-109	TIMET	Qal	10.7	5280.00	66	66		Recovery	Theis modified by Cooper-Jacob	TIMET 2008
TMPZ-110	TIMET	Qal	7.6	307.00	5.4	5.4		Constant Rate Pumping	Theis modified by Cooper-Jacob	TIMET 2007
TMPZ-111	TIMET	Qal	8.5	556.00	8.7	8.7		Recovery	Cooper-Jacob	TIMET 2008
TMPZ-112	TIMET	Qal/UMCf	9.0	213.00	3.2	3.2		Recovery	Cooper-Jacob	TIMET 2008
TMPZ-201	TIMET	xMCf (Shallow WBZ)	40.0	24.91	0.083			Constant Rate Pumping	Cooper-Jacob	Broadbent 2009
TMPZ-201	TIMET	xMCf (Shallow WBZ)	40.0	3005.46	10		0.05687	Constant Rate Pumping	Hantush Leaky	Broadbent 2009
TMPZ-201	TIMET	xMCf (Shallow WBZ)	40.0	160.07	0.53		0.1	Constant Rate Pumping	Hantush Leaky	Broadbent 2009
TMPZ-201	TIMET	xMCf (Shallow WBZ)	40.0	748.00	2.5	3.3	0.03725	Constant Rate Pumping	Hantush-Jacob Leaky	Broadbent 2009
TMPZ-202	TIMET	xMCf (Shallow WBZ)	40.0	43.53	0.15	0.15		Constant Rate Pumping	Cooper-Jacob	Broadbent 2009
TMPZ-203	TIMET	xMCf (Shallow WBZ)	40.0	72.63	0.24	0.24		Constant Rate Pumping	Cooper-Jacob	Broadbent 2009
TMPZ-204	TIMET	xMCf (Shallow WBZ)	60.0	17706.66	39		0.1	Constant Rate Pumping	Hantush Leaky	Broadbent 2009
TMPZ-204	TIMET	xMCf (Shallow WBZ)	60.0	171.59	0.38			Recovery	Cooper-Jacob	Broadbent 2009
TMPZ-204	TIMET	xMCf (Shallow WBZ)	70.0	8824.16	17		0.08852	Constant Rate Pumping	Hantush Leaky	Broadbent 2009
TMPZ-204	TIMET	xMCf (Shallow WBZ)	60.0	1193.81	2.7		0.004075	Constant Rate Pumping	Theis	Broadbent 2009
TMPZ-204	TIMET	xMCf (Shallow WBZ)	60.0	683.45	1.5	12.2	0.007238	Constant Rate Pumping	Theis	Broadbent 2009
TR-2	NERT site	UMCf (Middle WBZ)			0.0039			Slug (Falling Head)	KGS Analysis	[5]
TR-2	NERT site	UMCf (Middle WBZ)			0.0042	0.0040		Slug (Rising Head)	KGS Analysis	[5]
TR-4	NERT site	UMCf (Middle WBZ)			0.0031			Slug (Falling Head)	KGS Analysis	[5]
TR-4	NERT site	UMCf (Middle WBZ)			0.0030	0.0030		Slug (Rising Head)	KGS Analysis	[5]
TR-7	NERT site	UMCf (Middle WBZ)			1.2			Slug (Falling Head)	KGS Analysis	[5]
TR-7	NERT site	UMCf (Middle WBZ)			1.2			Slug (Falling Head)	KGS Analysis	[5]
TR-7	NERT site	UMCf (Middle WBZ)			1.1			Slug (Rising Head)	KGS Analysis	[5]
TR-7	NERT site	UMCf (Middle WBZ)			1.2	1.2		Slug (Rising Head)	KGS Analysis	[5]
TR-9	NERT site	UMCf (Middle WBZ)			2.7			Slug (Falling Head)	KGS Analysis	[5]
TR-9	NERT site	UMCf (Middle WBZ)			2.8			Slug (Falling Head)	KGS Analysis	[5]
TR-9	NERT site	UMCf (Middle WBZ)			3.0			Slug (Rising Head)	KGS Analysis	[5]
TR-9	NERT site	UMCf (Middle WBZ)			2.9	2.9		Slug (Rising Head)	KGS Analysis	[5]
TWA-180	AMPAC	UMCf (Middle WBZ)	26.0		0.027	0.027		Slug	Bouwer-Rice	Geosyntec 2010
TWE-15	BMI Common Area (Commercial)	xMCf (Shallow WBZ)	4.0		75			Slug	Bouwer-Rice	Geosyntec 2010
TWE-15	BMI Common Area (Commercial)	xMCf (Shallow WBZ)	4.0		100			Slug	Bouwer-Rice	Geosyntec 2010
TWE-15	BMI Common Area (Commercial)	xMCf (Shallow WBZ)	4.0		40			Slug	Bouwer-Rice	Geosyntec 2010
TWE-15	BMI Common Area (Commercial)	xMCf (Shallow WBZ)	4.0		24	60		Slug	Bouwer-Rice	Geosyntec 2010
TWE-18	BMI Common Area (Commercial)	xMCf (Shallow WBZ)	11.0		6.0			Slug	Bouwer-Rice	Geosyntec 2010
TWE-18	BMI Common Area (Commercial)	xMCf (Shallow WBZ)	11.0		6.2	6.1		Slug	Bouwer-Rice	Geosyntec 2010
TWE-33	BMI Common Area (Commercial)	UMCf (Shallow WBZ)	15.0		0.41	0.41		Slug	Bouwer-Rice	Geosyntec 2010
TWE-51	BMI Common Area (Commercial)	UMCf (Middle WBZ)	11.0		0.16	0.16		Slug	Bouwer-Rice	Geosyntec 2010

TABLE C-1: HISTORICAL AQUIFER TESTING DATA COMPILATION
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Well	Site	Screened Unit	Aquifer thickness used for analysis (ft)	Transmissivity (gpd/ft)	K (ft/d)	Average K (ft/d)	Storativity	Test Type	Analysis Method	Report Source
UYP-11	BMI Common Area	Qal/xMCf	35.0	224415.60	860.0			Constant Rate Pumping	Specific Capacity	Kleinfelder 2005
UYP-11	BMI Common Area	Qal/xMCf	35.0	223854.56	860.0	860.0		Constant Rate Pumping	Moench	Kleinfelder 2005

Notes:
Lithology information was compiled from the All Wells Database maintained by NDEP (Broadbent 2014), boring logs, and the report sources.
Results for pumping tests involving multiple observation wells are listed as results for the associated pumping well.
[1] Jacobs Pumping Test solution fit to final pumping step of step test
[2] Result appears anomalous, excluded from average K
[3] K estimated from Specific Capacity at pumping step
[4] Hydraulic conductivity values derived from specific capacity are considered rough estimates. At wells with K estimates from both specific capacity and pumping test solutions, the K estimates calculated from the specific capacity of the final pumping step appear to be the closest approximations of K. These K estimates are listed in this table where no other data is available.
[5] These data are preliminary results of aquifer testing conducted as part of the NERT Remedial Investigation (RI).
[6] These data were obtained from testing conducted as part of Geraghty and Miller 1980 investigation, but were not presented in that report. They were later presented as part of the Stauffer 1983 investigation.
ft = feet
ft/d = feet/day
K = hydraulic conductivity
WBZ = water-bearing zone

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TABLE C-2: HISTORICAL AQUIFER TESTING RESULTS SUMMARY
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

Area	Summary Statistics	Hydraulic Conductivity (ft/day)									
		Qal		Qal-UMCf Cross-Screened		UMCf (Shallow WBZ)		UMCf (Middle WBZ)		UMCf (Deep WBZ)	
		Slug	Pumping	Slug	Pumping	Slug	Pumping	Slug	Pumping	Slug	Pumping
NERT Site	Number of Wells	10	3	1	14	4	1	24	-	-	-
	Geometric Mean	28	97	0.87	4.0	0.26	4.8	0.023	-	-	-
	Minimum	4.3	61	-	0.030	0.0046	-	0.0012	-	-	-
	Maximum	200	160	-	300	4.8	-	2.9	-	-	-
NERT Downgradient Plume	Number of Wells	-	27	2	2	-	-	9	-	1	-
	Geometric Mean	-	82	1.5	10	-	-	0.20	-	0.0040	-
	Minimum	-	4.5	1.1	7.6	-	-	0.00093	-	-	-
	Maximum	-	610	2.0	14	-	-	8.6	-	-	-
Additional Off-Site Areas	Number of Wells	19	29	10	16	23	4	29	2	8	5
	Geometric Mean	10	27	1.9	120	0.36	1.1	0.012	0.55	1.0	21
	Minimum	0.056	0.017	0.051	1.3	0.0012	0.15	4.4E-07	0.032	0.0077	5.2
	Maximum	130	1800	64.0	860	60	12	2.8	9.4	270	42
All Areas	Number of Wells	29	59	13	32	27	5	62	2	9	5
	Geometric Mean	15	48	1.7	24	0.35	1.5	0.023	0.55	0.56	21
	Minimum	0.056	0.017	0.051	0.030	0.0012	0.15	4.4E-07	0.032	0.0040	5.2
	Maximum	200	1800	64.0	860	60	12	8.6	9.4	270	42

Notes:
K = hydraulic conductivity
ft/day = feet per day
Qal = Quaternery Alluvium
UMCf = Upper Muddy Creek Formation
- = no data available
Cross-screened data includes tests screened in the Qal/UMCf and Qal/xMCf/UMCf.
Tests reportedly screened in the xMCf were included in the UMCf statistics.
Water-bearing zone distinctions were made based on data available in the All Wells Database.
Slug test data include data collected from slug tests and baildown tests.
Pumping test data include data collected from constant rate pumping tests, step-drawdown pumping tests, and recovery tests.

Figures

H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\GIS\Prior Aquifer Testing Locations-RTC-revision1.mxd

N
W E
S

1:24,000

1 inch = 2,000 feet

0 2,000

Feet

INSET A

ART-1 ART-1A PC-55 PC-19 ART-2 PC-18 PC-134A ART-3 ART-4 ART-4A PC-150 PC-149 PC-148 PC-136 PC-137 ART-5 ART-6 ART-9 ART-7B PC-122 ART-7 ART-7A ART-8 PC-17 PC-70

0 300 600

Feet

INSET B

PC-117 PC-120 PC-119 PC-99R3 PC-133 PC-118 PC-115R PC-99R

0 300 600

Feet

0 300 600

Feet

Las Vegas Wash

MW-2 MW-6 MW-9A MW-14

B-1 P-1 P-3 P-2 P-W B-2 B-3 B-6 B-4

MCF-30B AA-30 MCF-30A

MCF-29A MCF-29B

Inset B

Seep Well Field

MCF-28A MCF-28B

UYO-16 UYP-11 AA-08-OWA AA-08EW AA-08

SB-1-8 SB-2-7 SB-29-3 SBO-2A-7 SBO-29-4 SBO-1A-3

AA-23R AA-22

Former City of Henderson Northern Rapid Infiltration Basins (RIBs)

DBMW-19

City of Henderson Bird Viewing Preserve

PC-98R

DBMW-4

AA-07

Pittman Lateral

DBMW-8

MCF-06C

APX-2-P1

City of Henderson Water Reclamation Facility

Athens Road Well Field

Inset A

MW-OXP MW-NXP NX-17 MW-PXP OXO-16 PX-15

TWE-33 TWE-15 TWE-51 TWE-18

DBMW-2 AA-20 DBMW-9

BOULDER HWY

PABCO RD

BMI Common Areas (Eastside)

MCF-16C

SUNSET RD

TWA-180

Former TIMET

MCF-24B

POD8

MCF-32B

H-48 H-49A

PC-65 PC-67

TRECO

AA-09 POD6-R AA-13

Detail Area See Figure 1b

Parcel 4B

POU1

Former COH Southern RIBs

MCF-03B

Interceptor Well Field

BMI (CAMU)

NERT

Parcel 4A

AMX-P AMX-98 AMX-40

AMEW-2 AMEW-3 AMEW-5 DY-169 AEX-166

DX-161 DX-161A MW-D2D EW-2 AMEW-1 DX-161C AMEW-4 ADX-112

TIMET

DPT-01

Olin / Pioneer

CP-01 AA-MW-23 AA-MW-20 OW-1 PW-1 AA-MW-22 AA-MW-21 TR-7 TR-9

TMMW-104 TMMW-102 TMMW-103 M-117 TMMW-101 M-118

MW-C

AMPAC (Former Pepcon)

MW-AL

LAKE MEAD DR

LEGEND

Lithology

- Quaternary Alluvium (Qal)
- Qal/UMCf
- Qal/xMCf/UMCf
- Upper Muddy Creek Formation (UMCf)
- Transitional Upper Muddy Creek Formation (xMCf)
- xMCf/UMCf

Test_Type

- Pumping
- Slug
- Slug/Pumping
- NERT Downgradient Plume
- Seep Capture Sump (no longer operating)
- Nevada Environmental Response Trust Property Boundary

RAMBOLL ENVIRON

DRAFTED BY: RS | DATE: 1/20/2016

Prior Aquifer Testing Locations
Continuous Optimization Program Hydrogeologic Evaluation

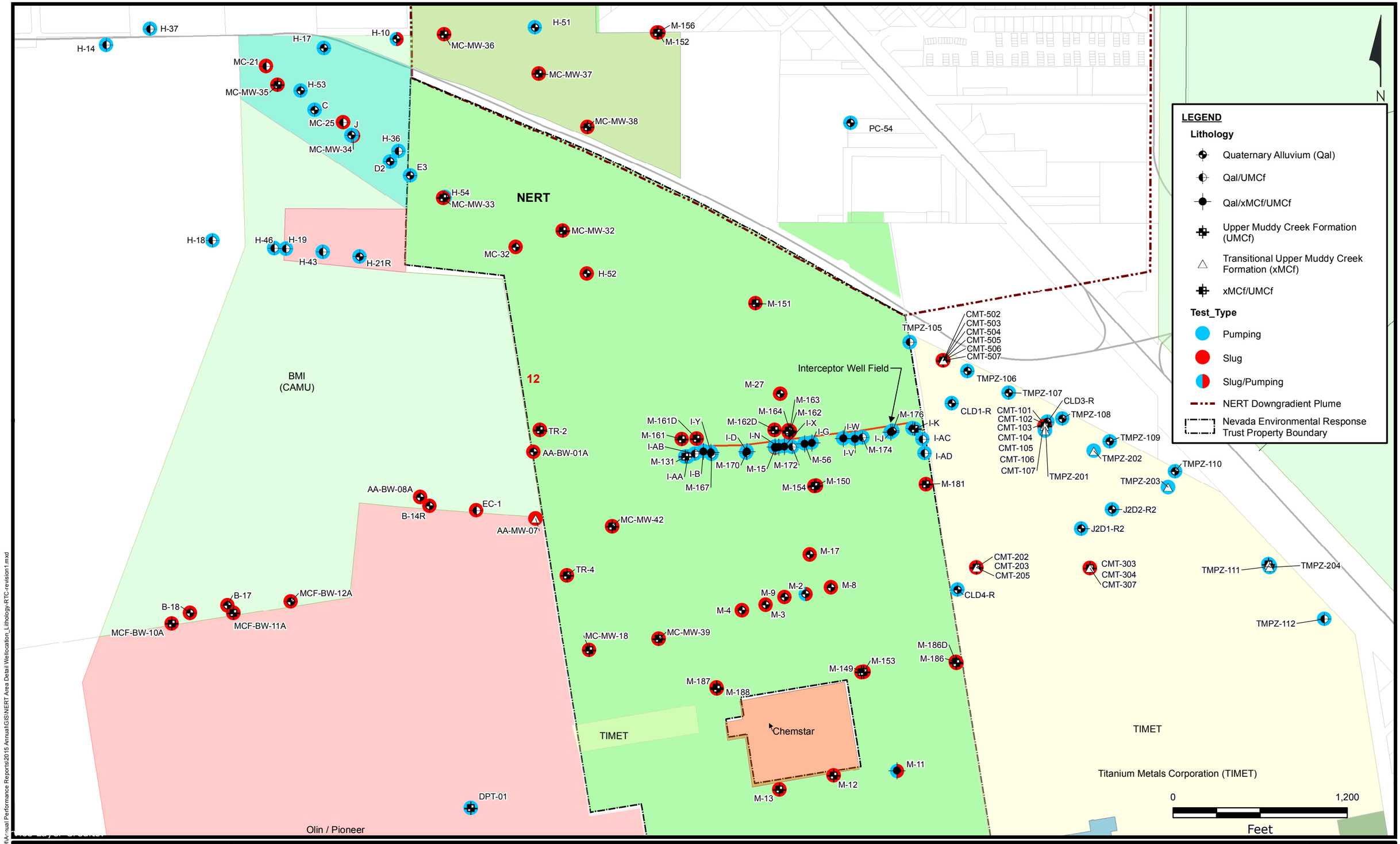
Nevada Environmental Response Trust Site

Henderson, Nevada

FIGURE

C-1a

21-37300B



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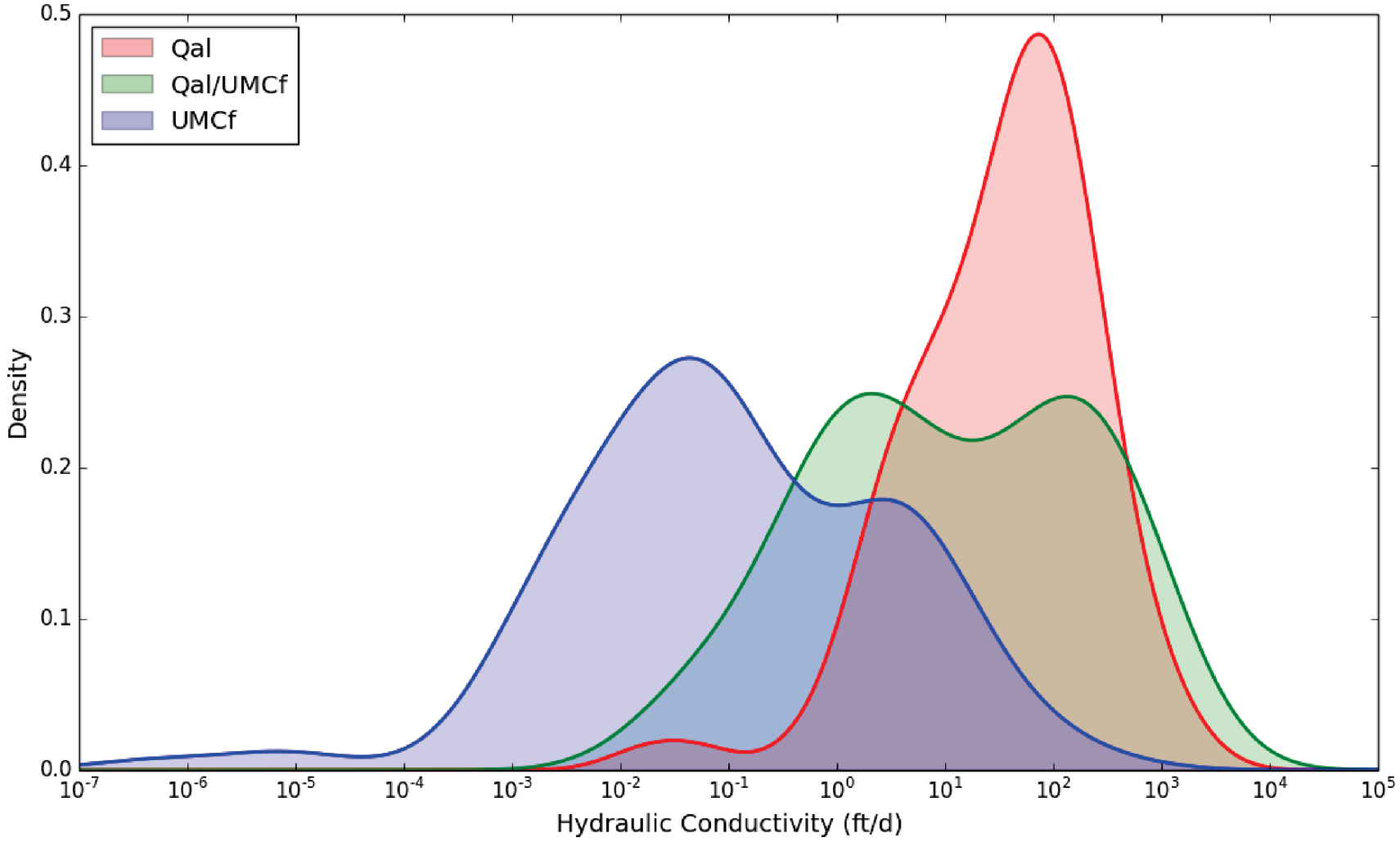
RAMBOLL ENVIRON

DRAFTED BY: RS | DATE: 1/20/2016

Prior Aquifer Testing Locations - Detail Near NERT Site
Continuous Optimization Program Hydrogeologic Evaluation
Nevada Environmental Response Trust Site
Henderson, Nevada

FIGURE
C-1b
21-37300B

Q:\DRAWINGS\2137300B-K01C\DENSITY PLOT HYDRAULIC CONDUCTIVITY.CDR



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DRAFTED BY: RS | DATE: 8/13/15

Density Plot of Hydraulic Conductivity by Stratigraphic Unit
Nevada Environmental Response Trust Site
Henderson, Nevada

FIGURE
C-2

21-37300B K01C

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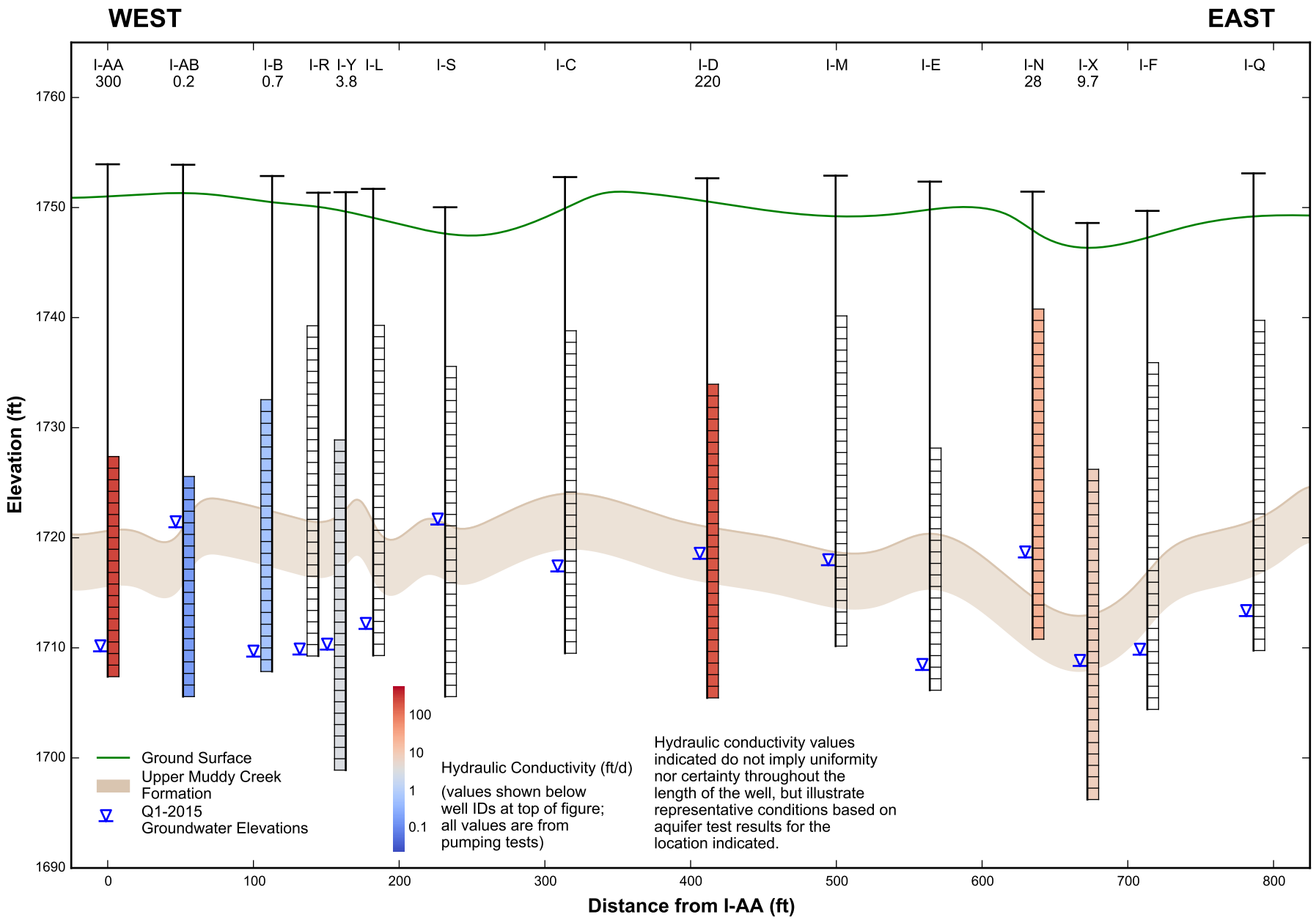

RAMBOLL ENVIRON

West Interceptor Well Field Estimated Hydraulic Conductivity
Nevada Environmental Response Trust Site
Henderson, Nevada

Figure
C-3a

Drafter: JH	Date: 07/14/15	Contract Number: 21-37300B	Approved:	Revised:

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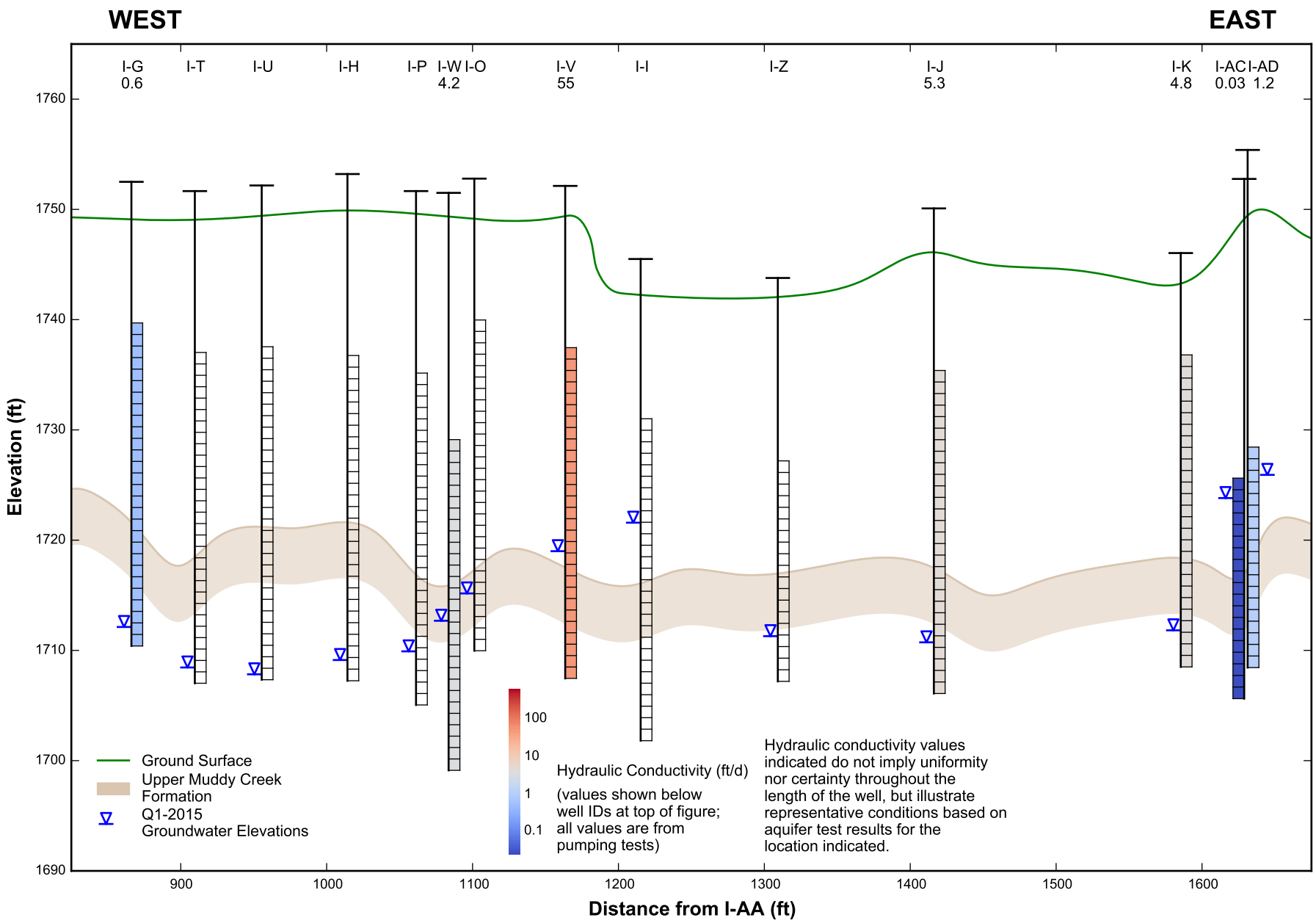

RAMBOLL ENVIRON

East Interceptor Well Field Estimated Hydraulic Conductivity
Nevada Environmental Response Trust Site
Henderson, Nevada

Figure
C-3b

Drafter: JH	Date: 07/14/15	Contract Number: 21-37300B	Approved:	Revised:

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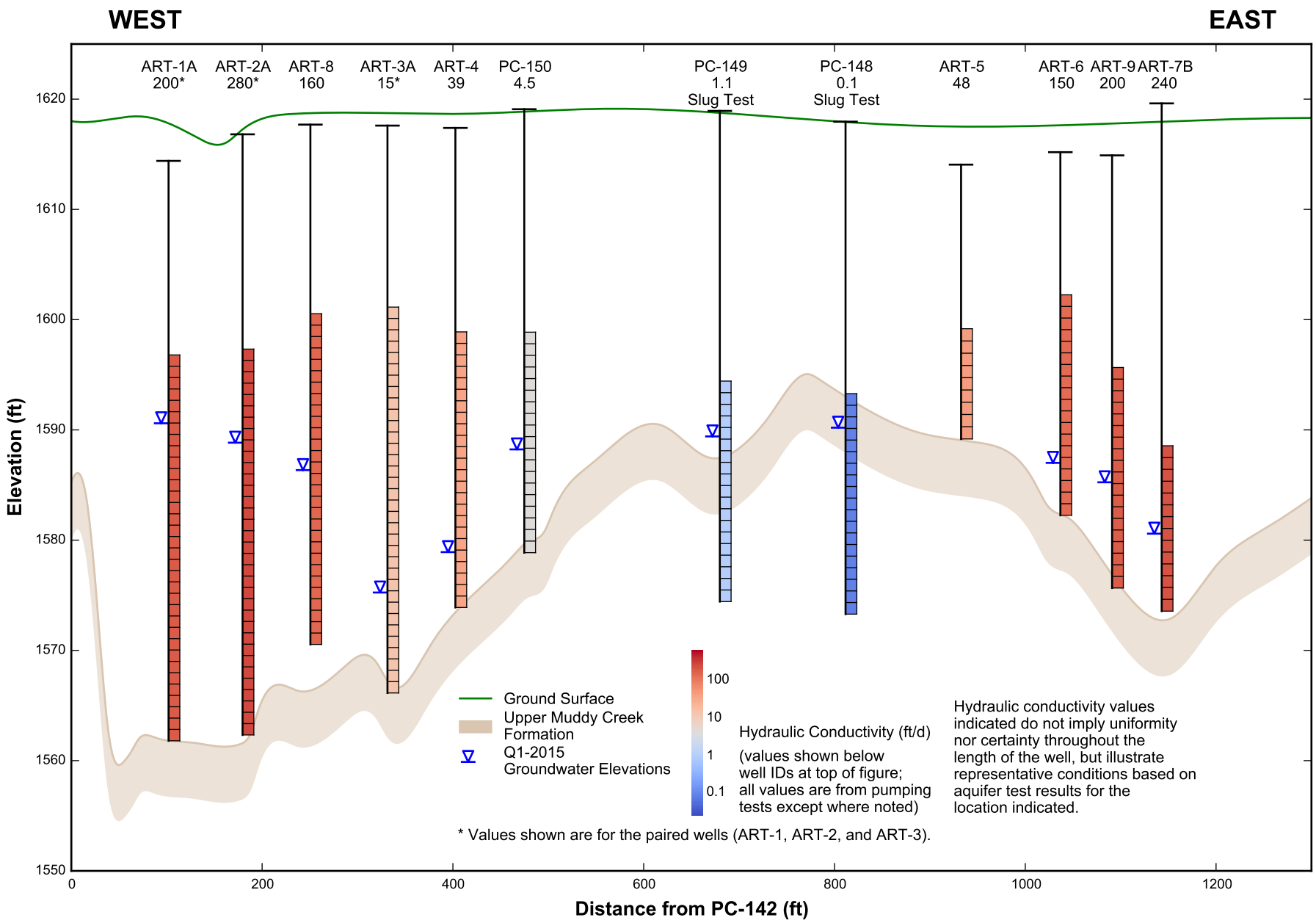

RAMBOLL ENVIRON

Athens Road Well Field Estimated Hydraulic Conductivity
Nevada Environmental Response Trust Site
Henderson, Nevada

Figure
C-4

Drafter: JH	Date: 07/14/15	Contract Number: 21-37300B	Approved:	Revised:

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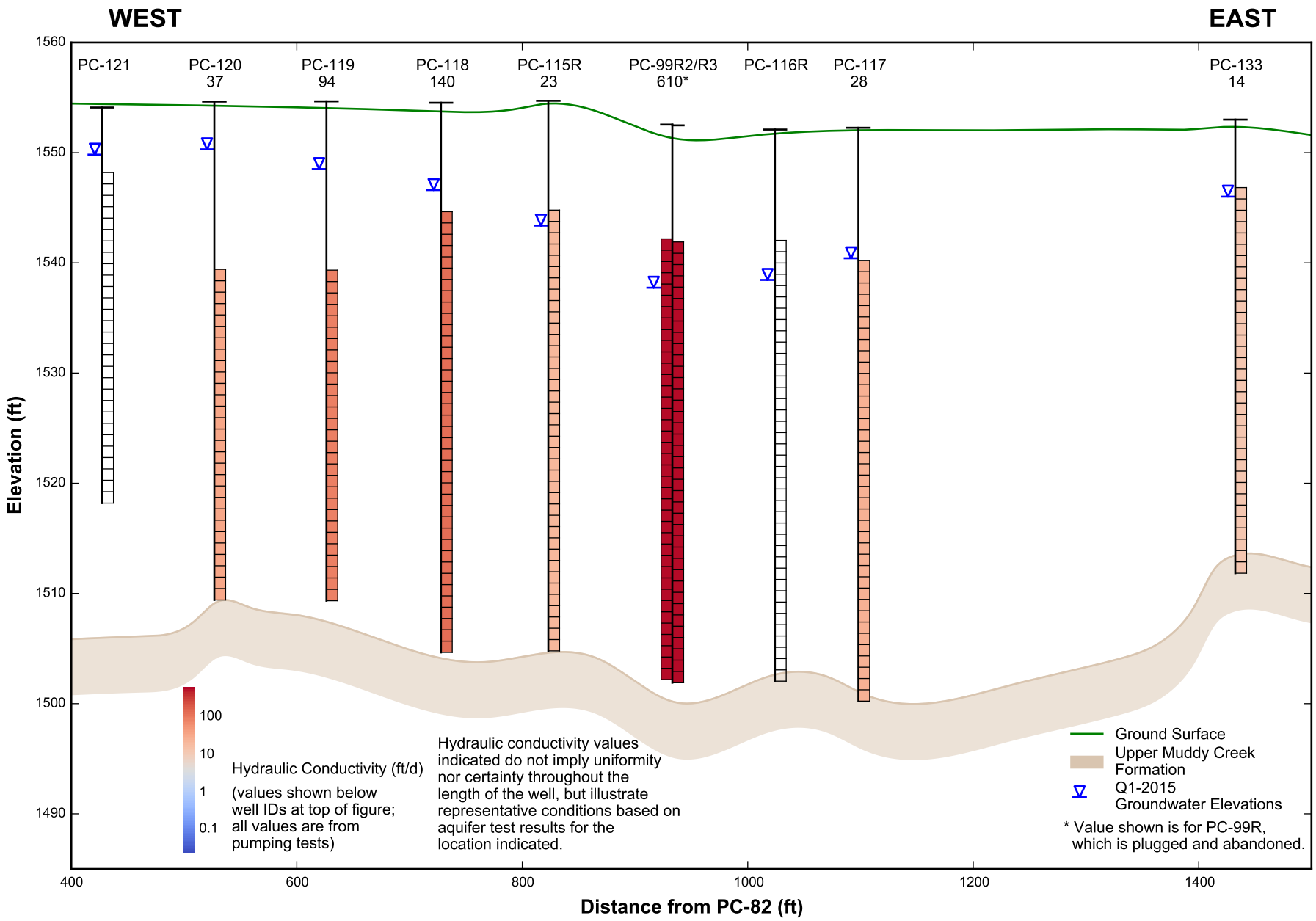

RAMBOLL ENVIRON

Seep Well Field Estimated Hydraulic Conductivity
Nevada Environmental Response Trust Site
Henderson, Nevada

Figure
C-5

Drafter: JH	Date: 07/14/15	Contract Number: 21-37300B	Approved:	Revised:

Extraction Well Data Sheets

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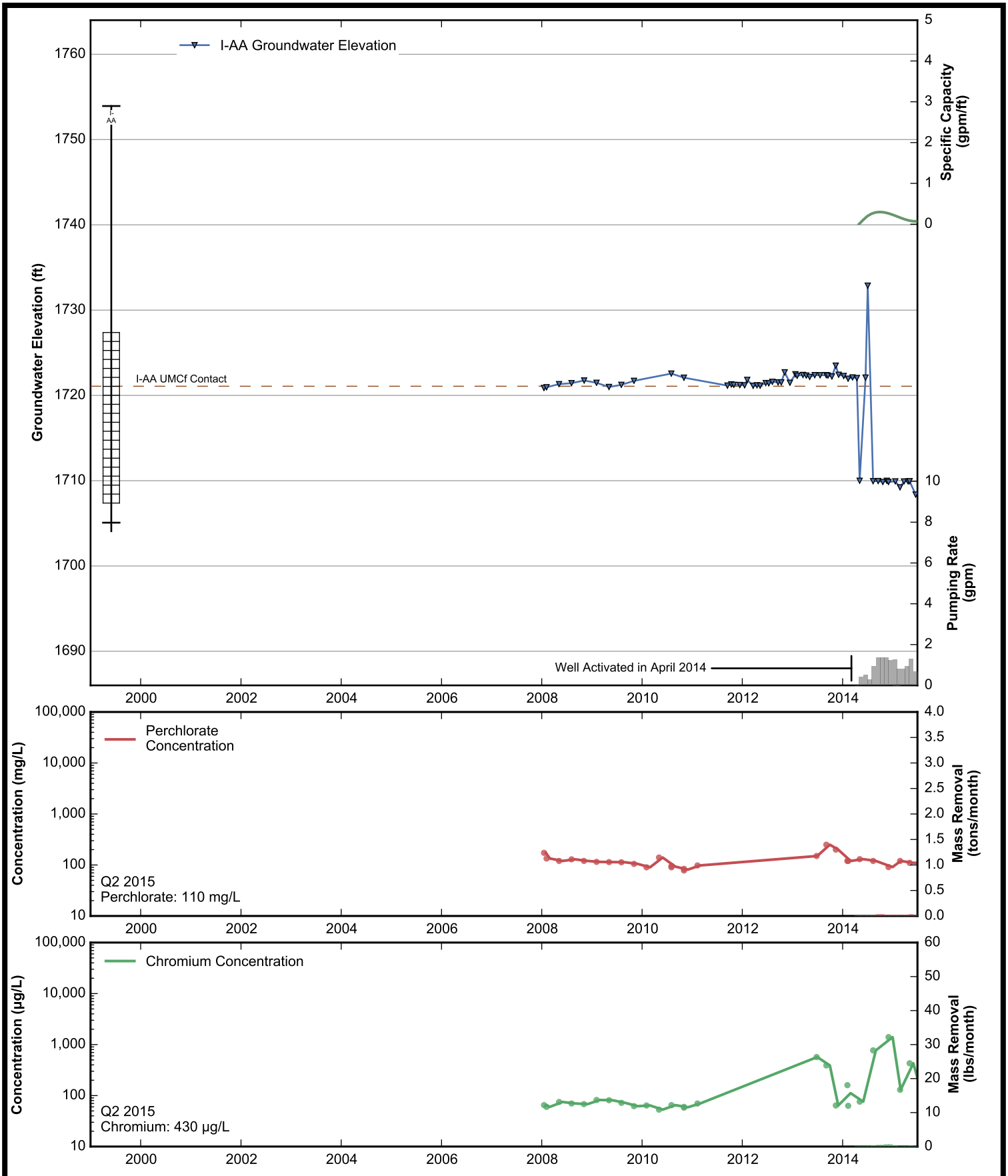

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Data Sheet for Well I-AA
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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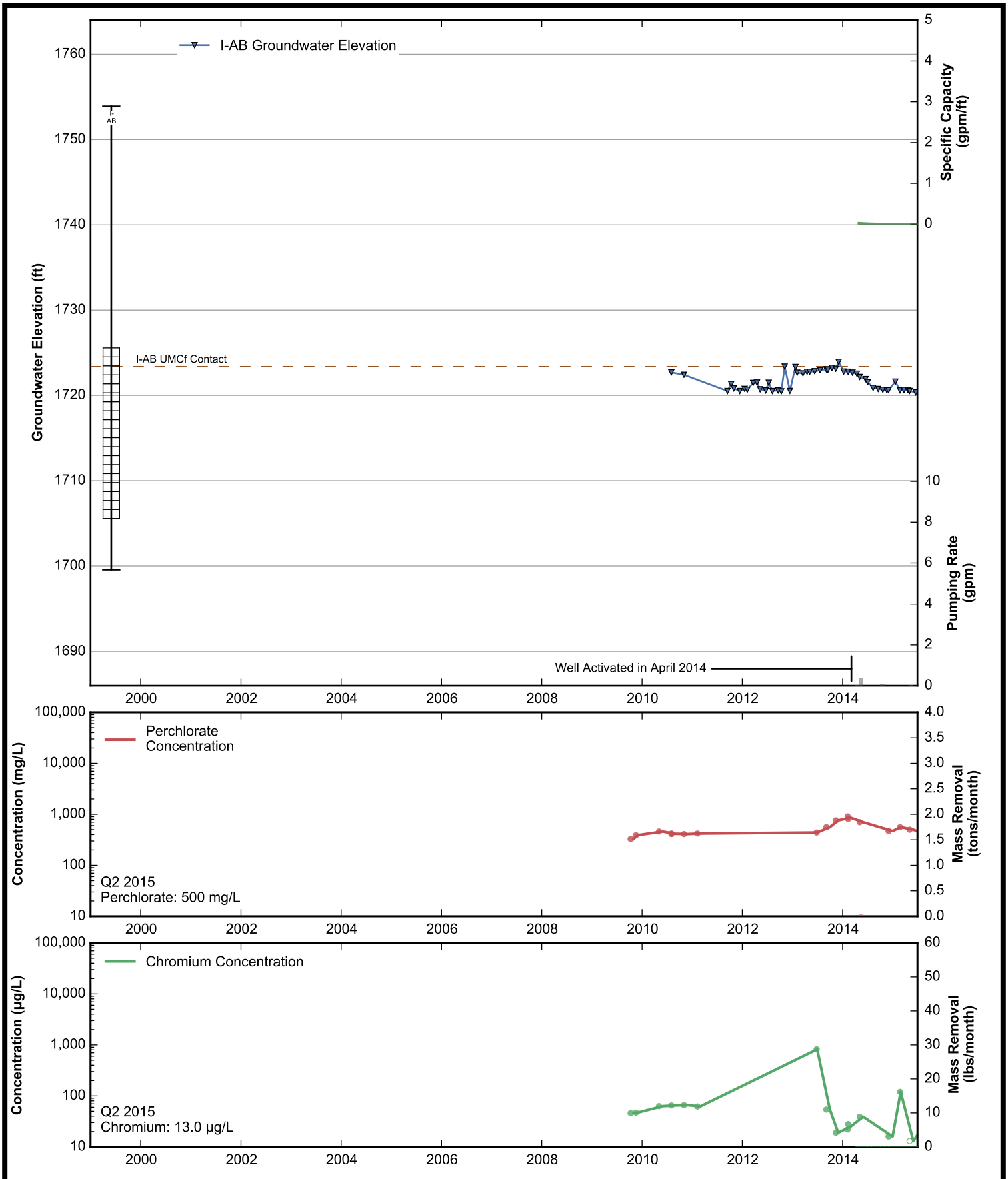

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Data Sheet for Well I-AB
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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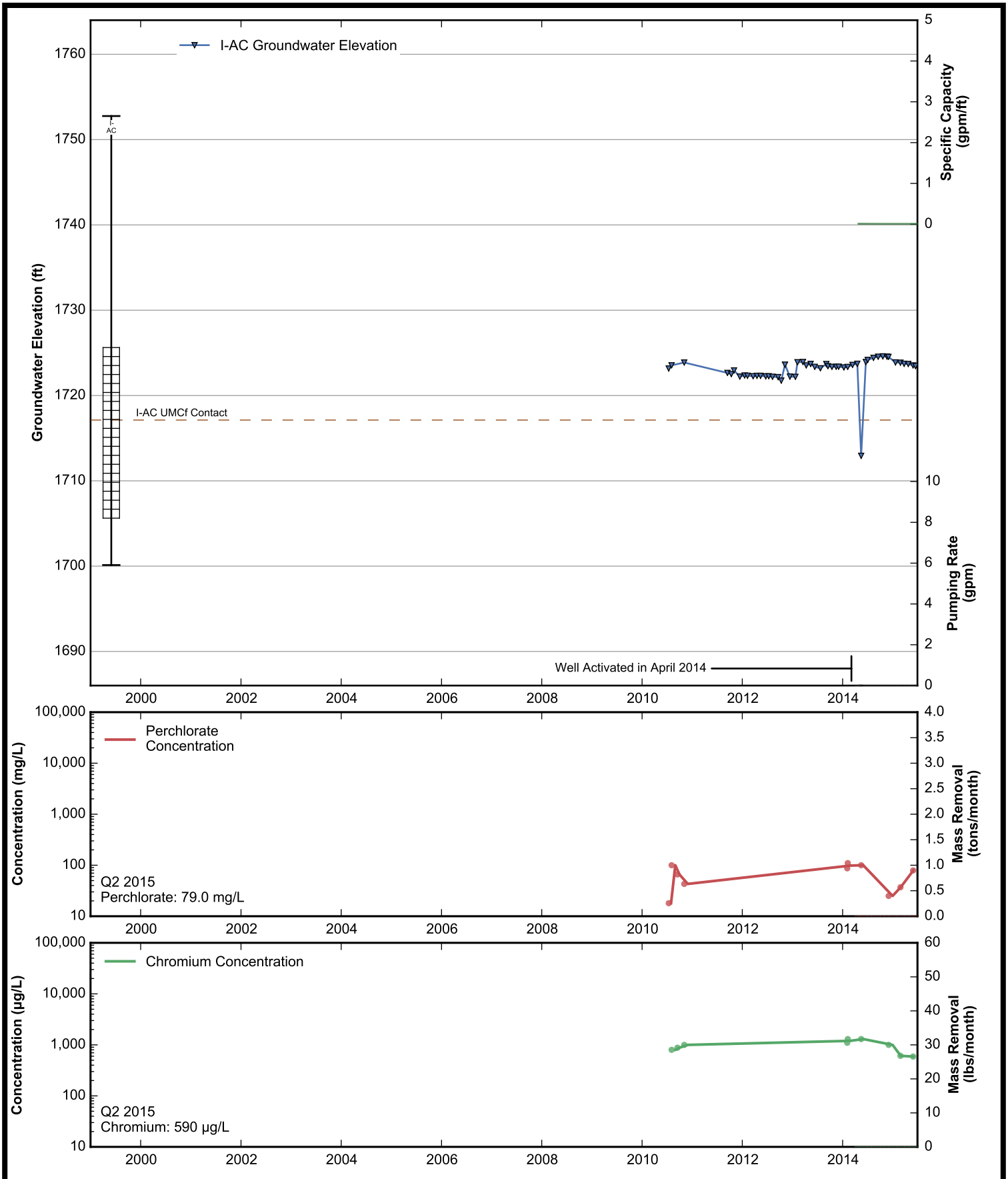

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Data Sheet for Well I-AC
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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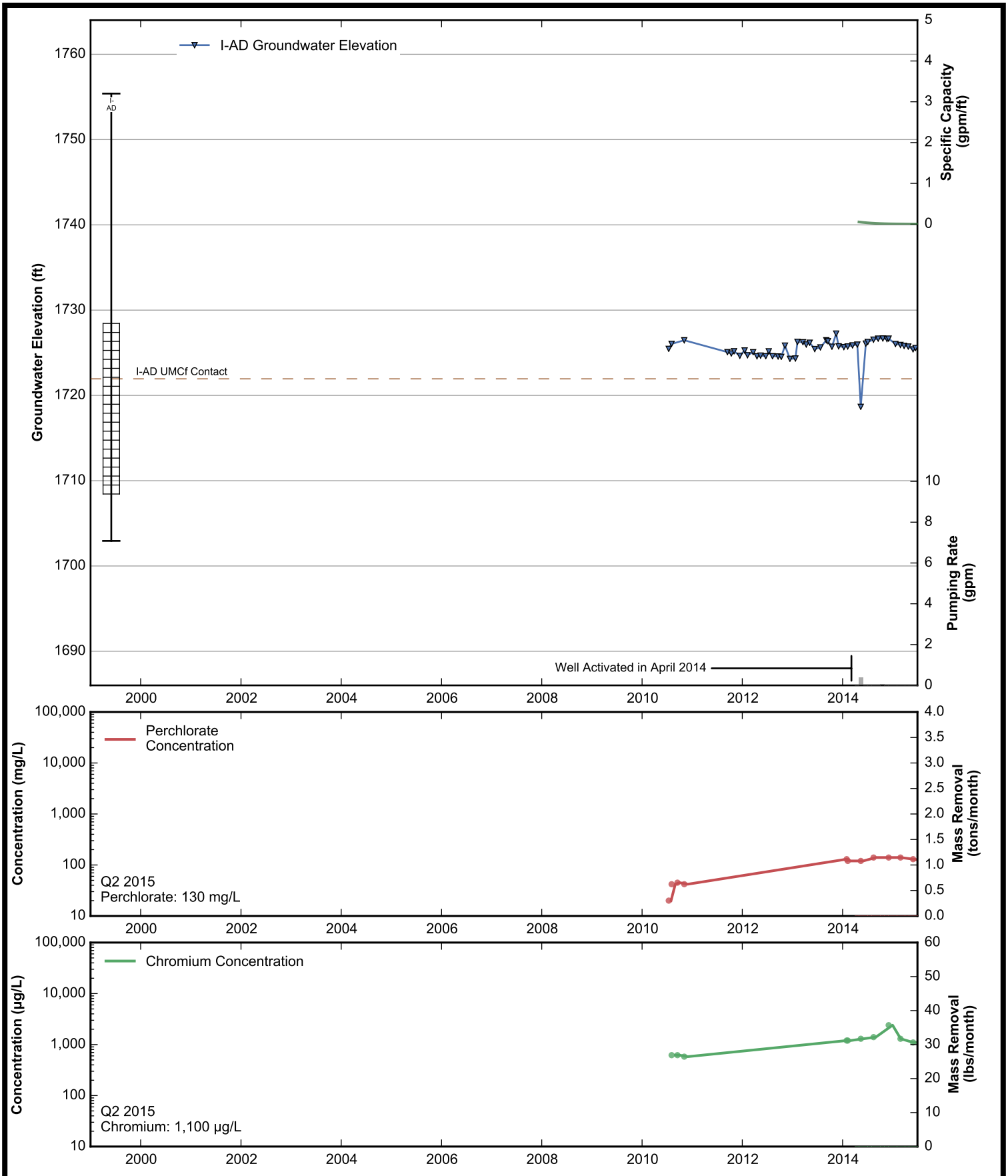

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Data Sheet for Well I-AD
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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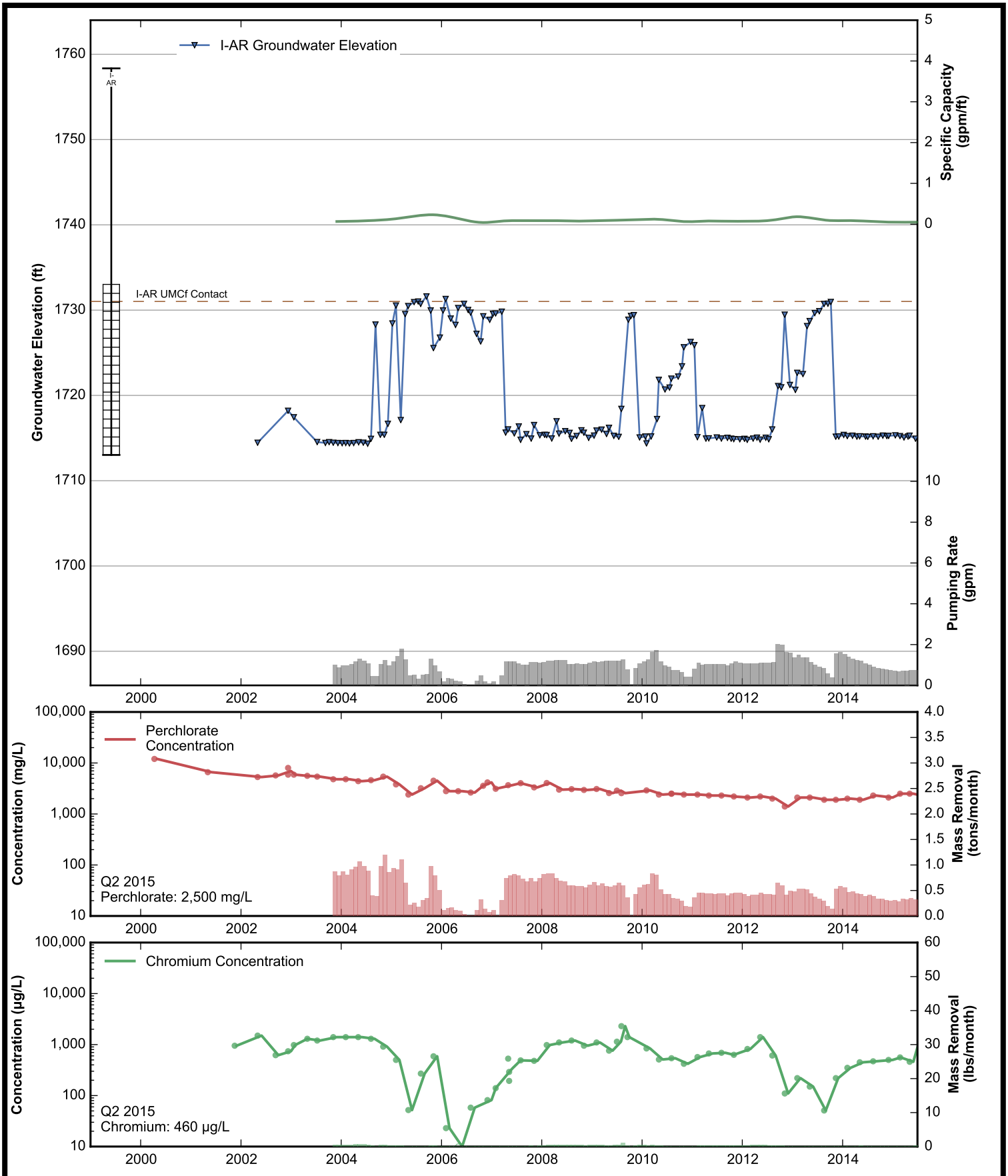

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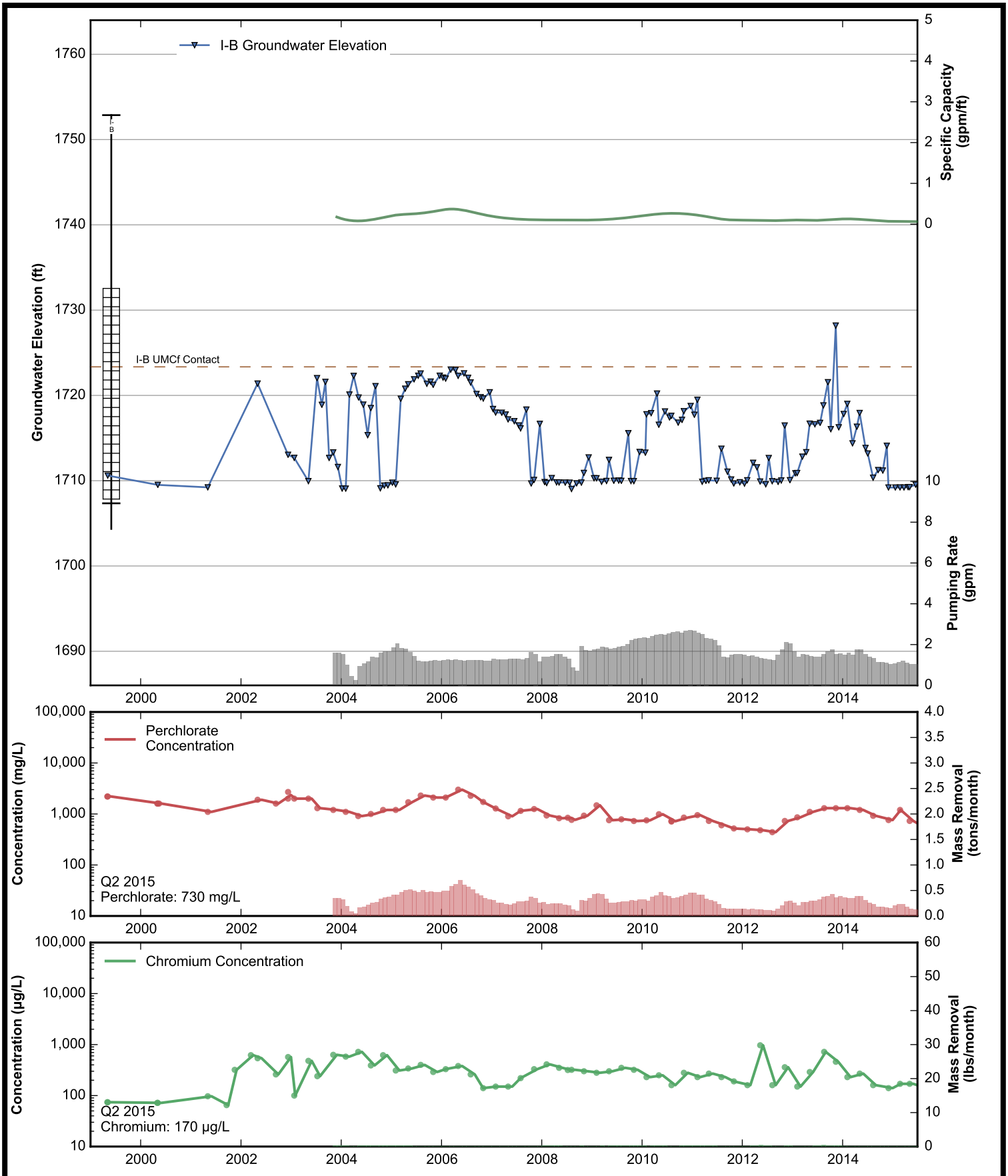
Data Sheet for Well I-AR
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



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Data Sheet for Well I-B
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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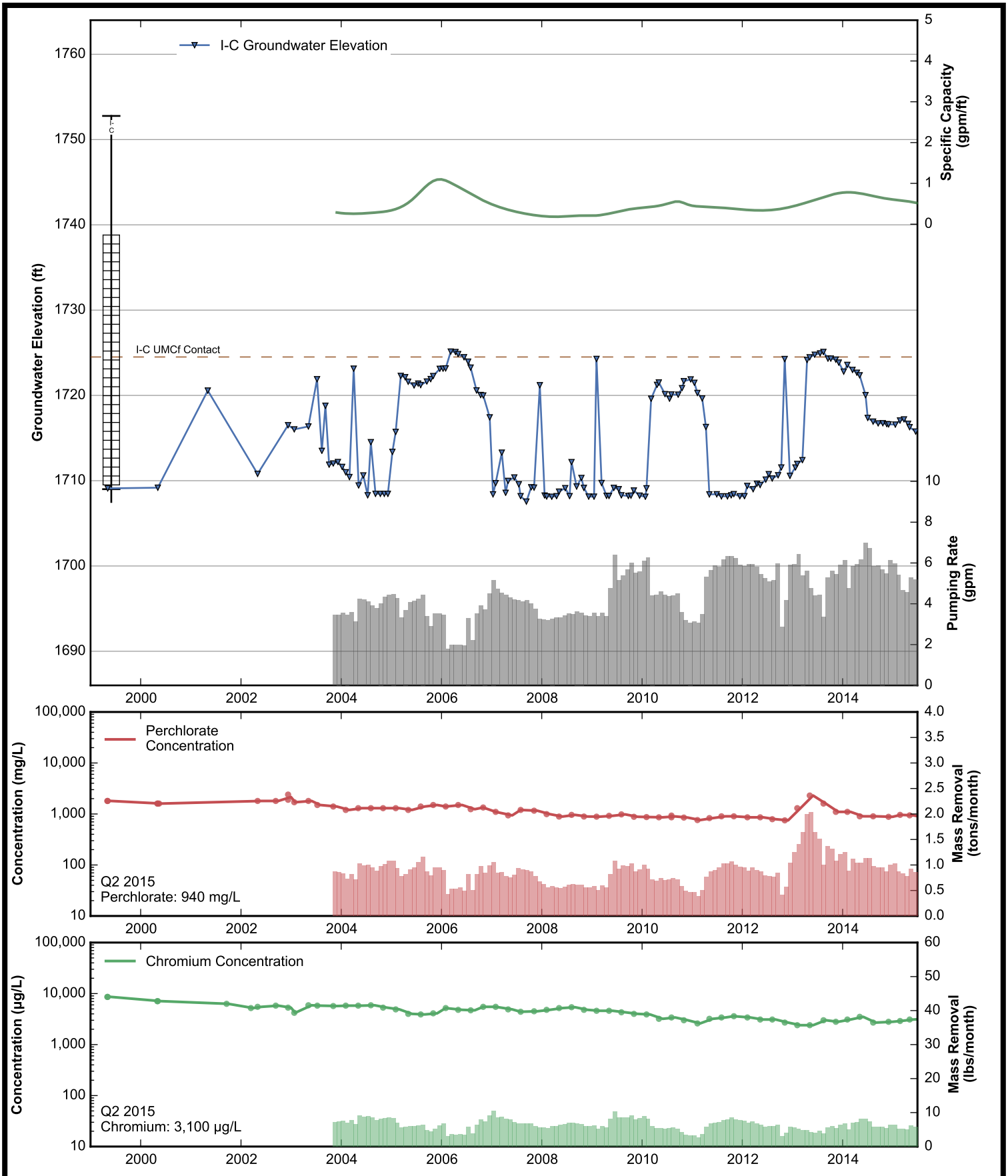

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Data Sheet for Well I-C
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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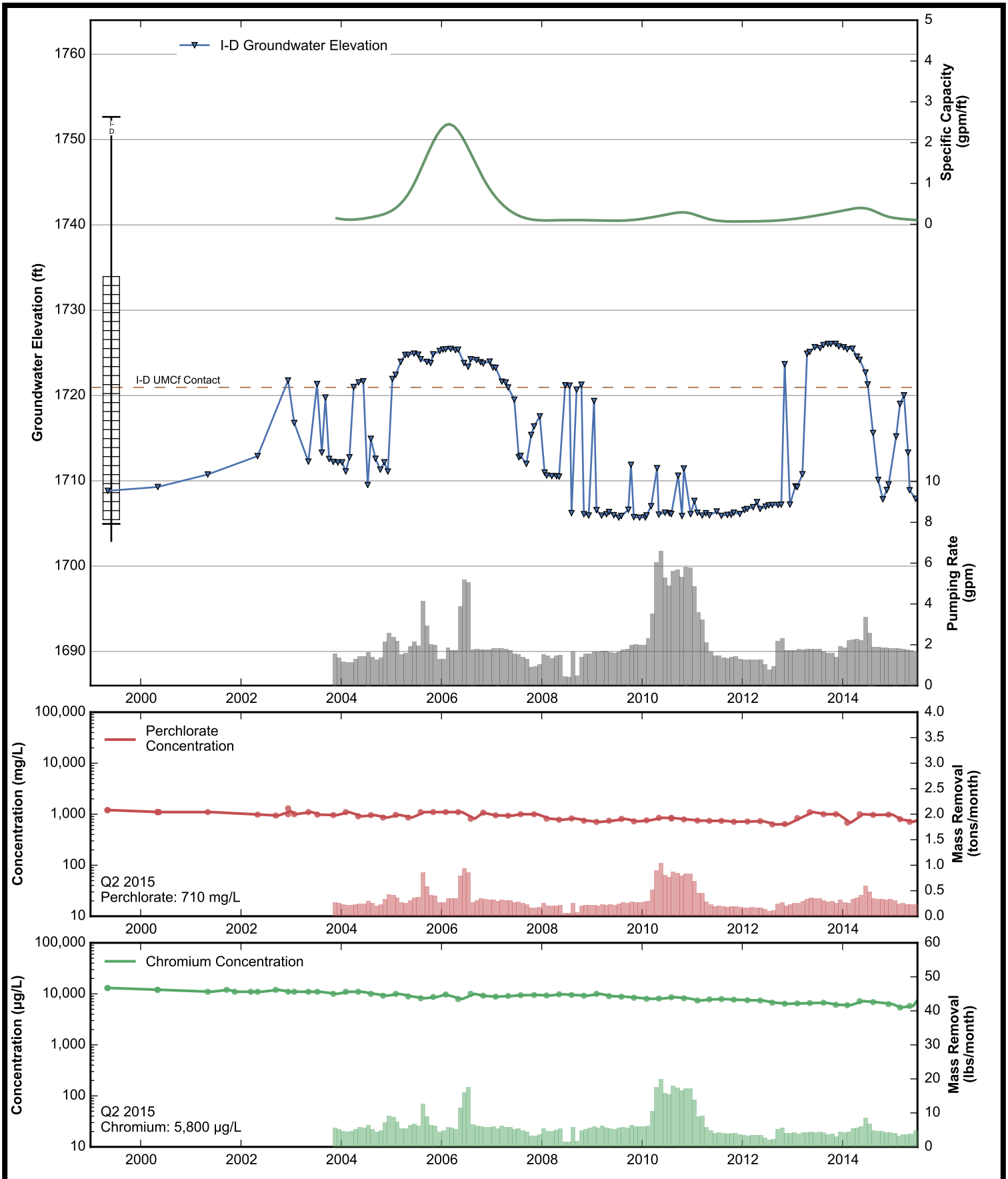

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Data Sheet for Well I-D
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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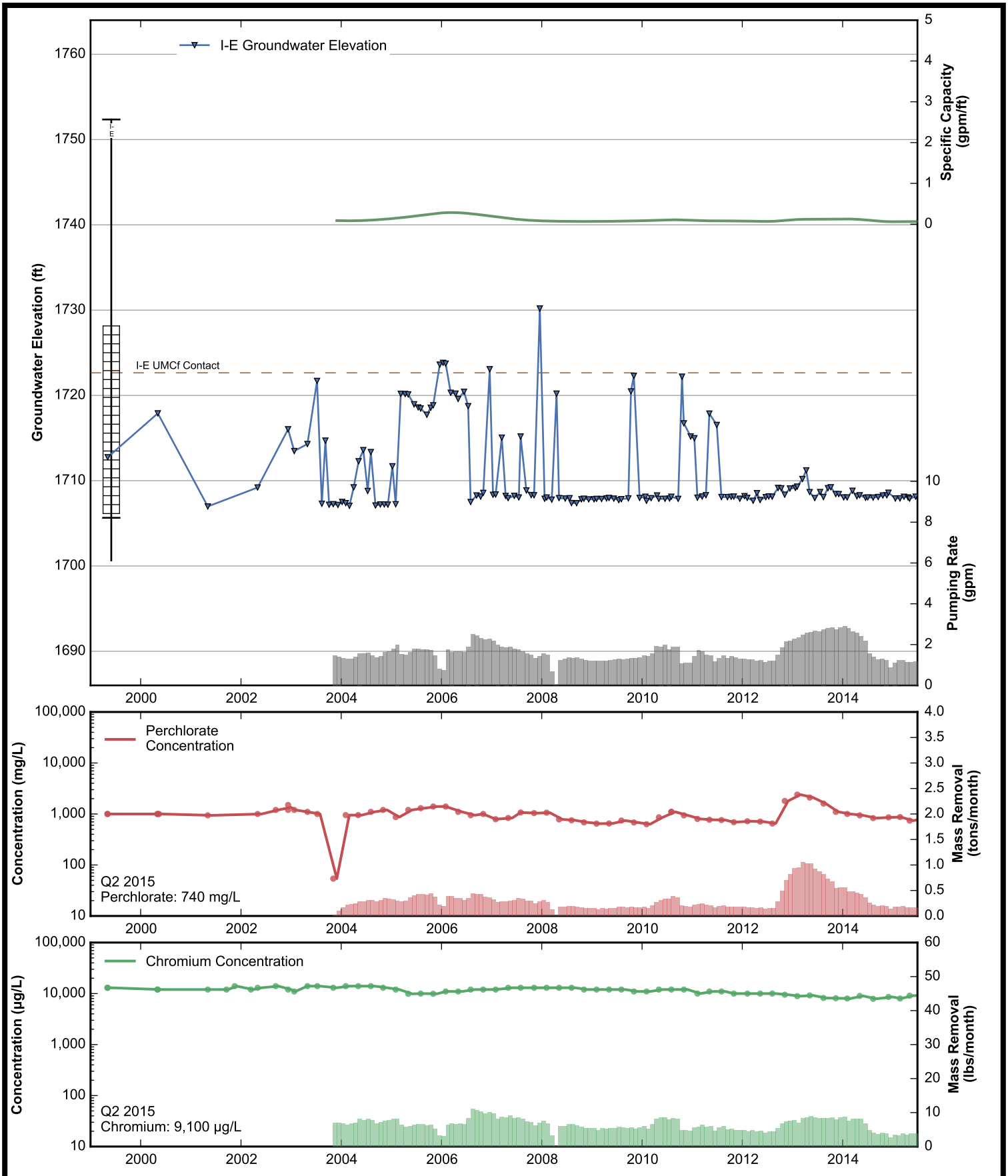

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Data Sheet for Well I-E
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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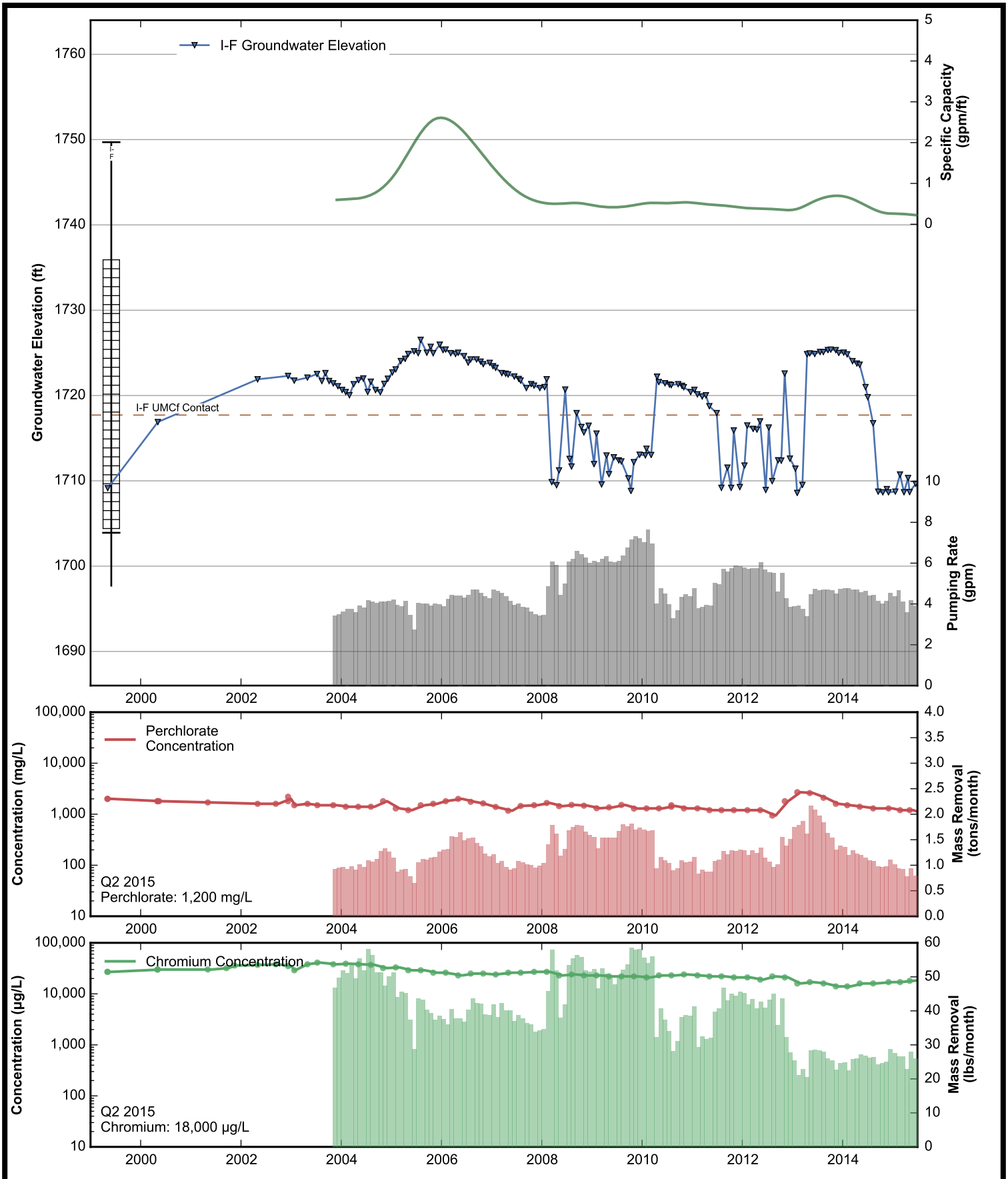

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Data Sheet for Well I-F
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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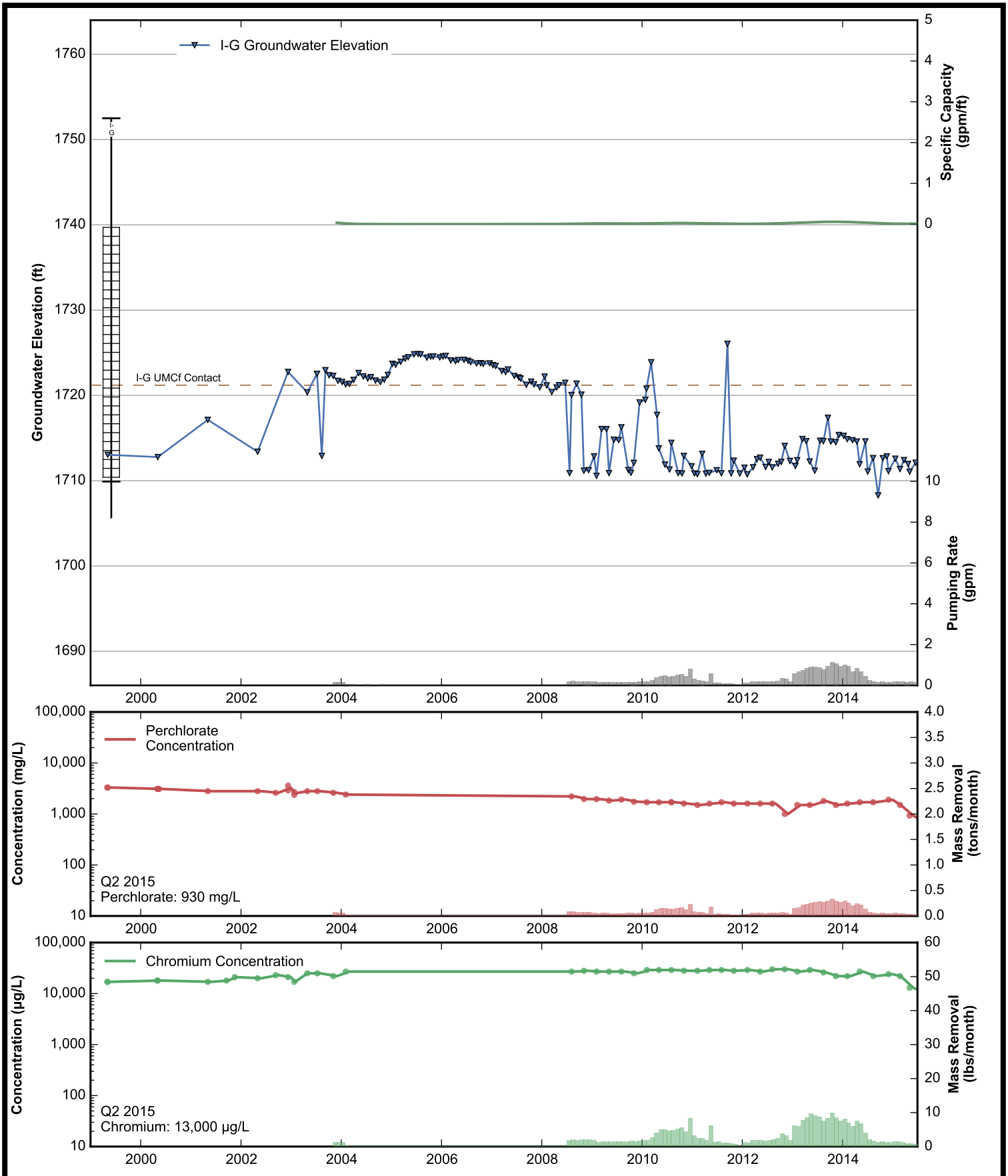

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Data Sheet for Well I-G
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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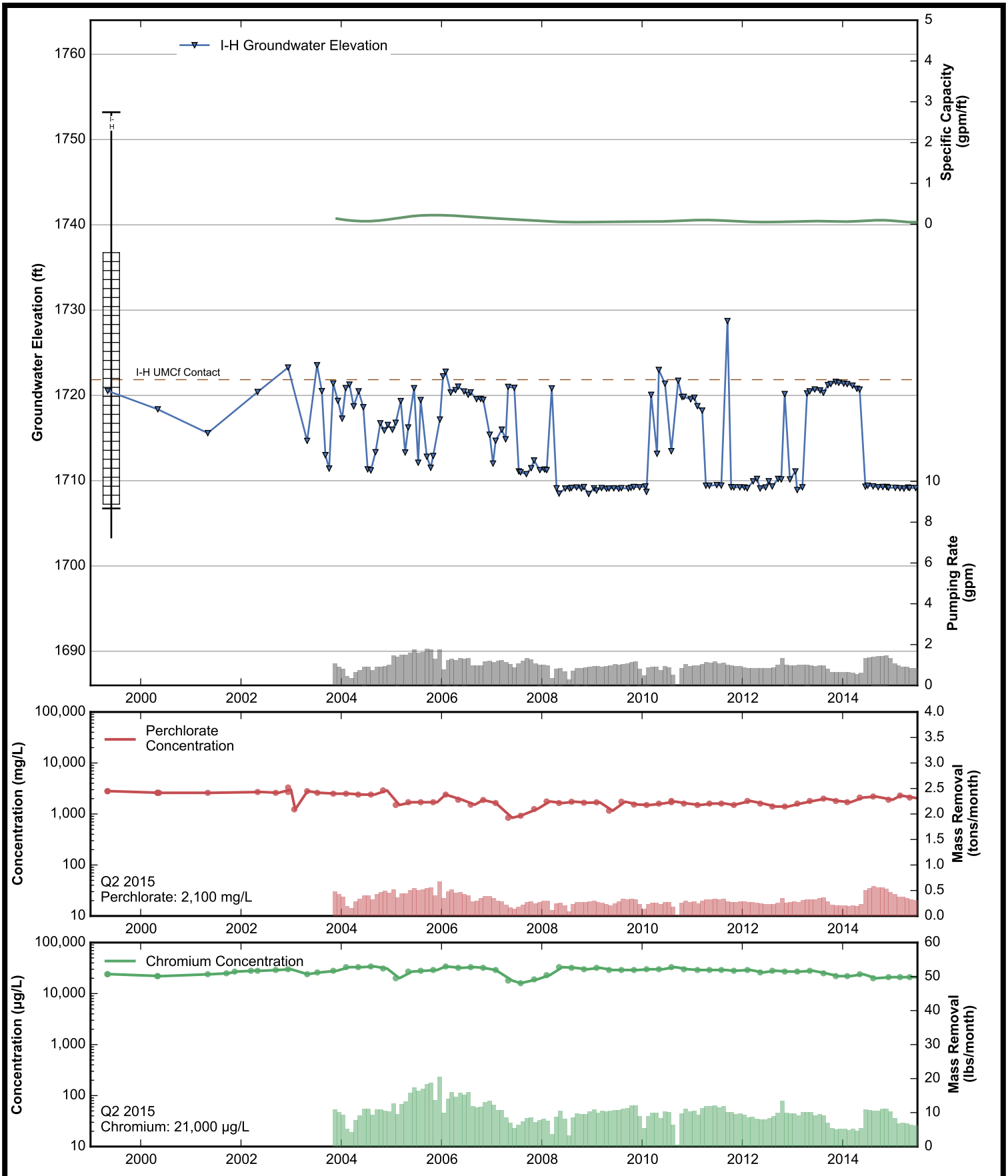

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Data Sheet for Well I-H
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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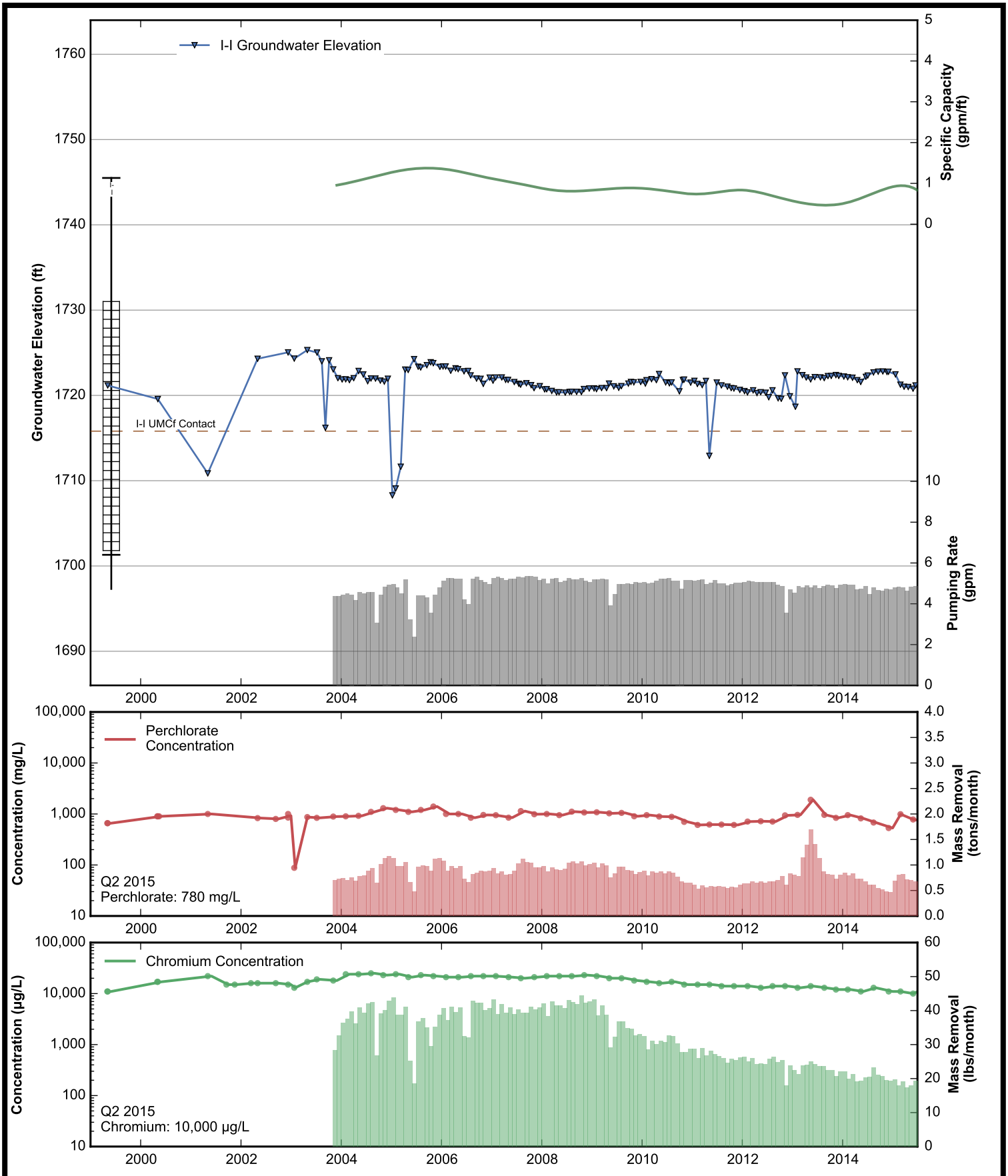

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Data Sheet for Well I-I
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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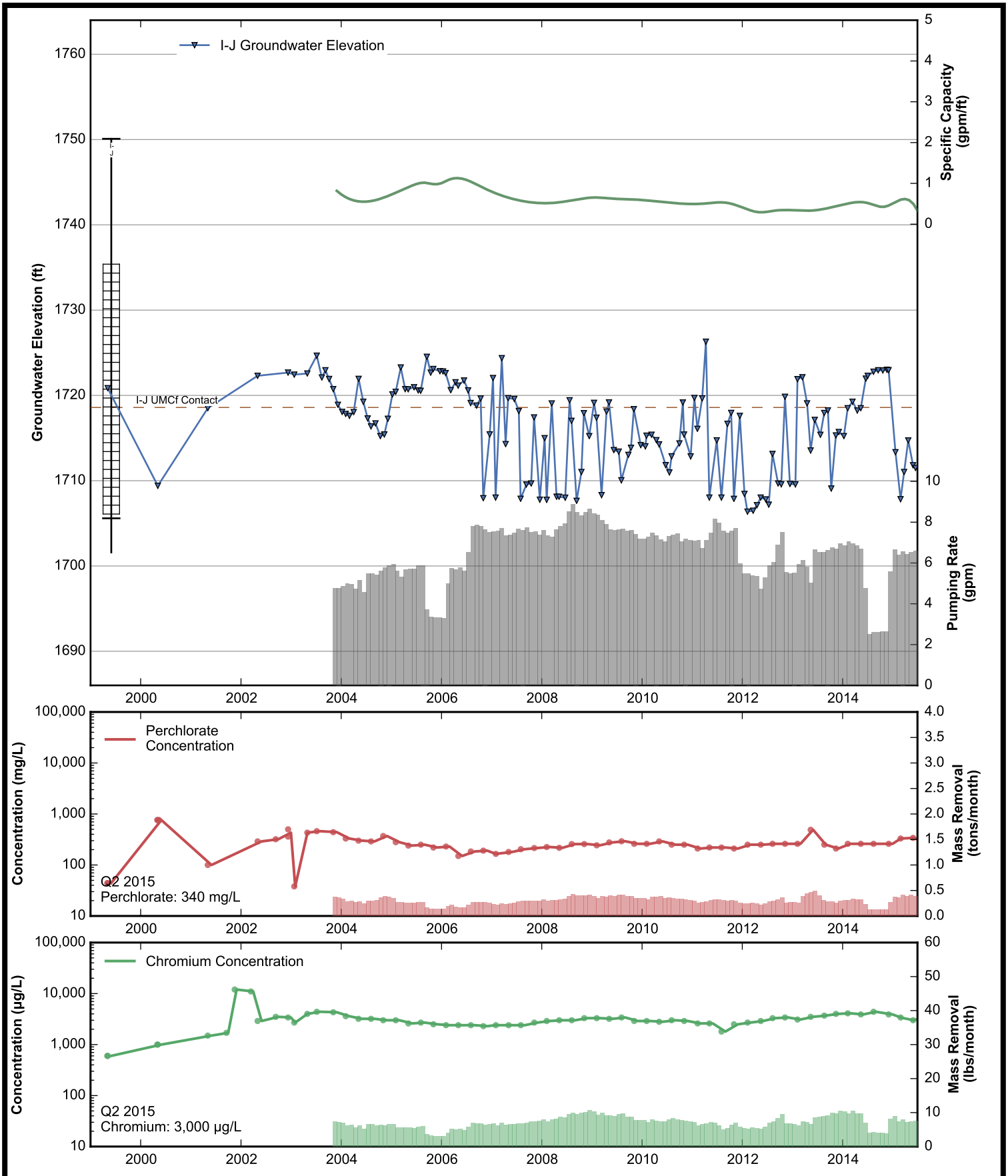

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Data Sheet for Well I-J
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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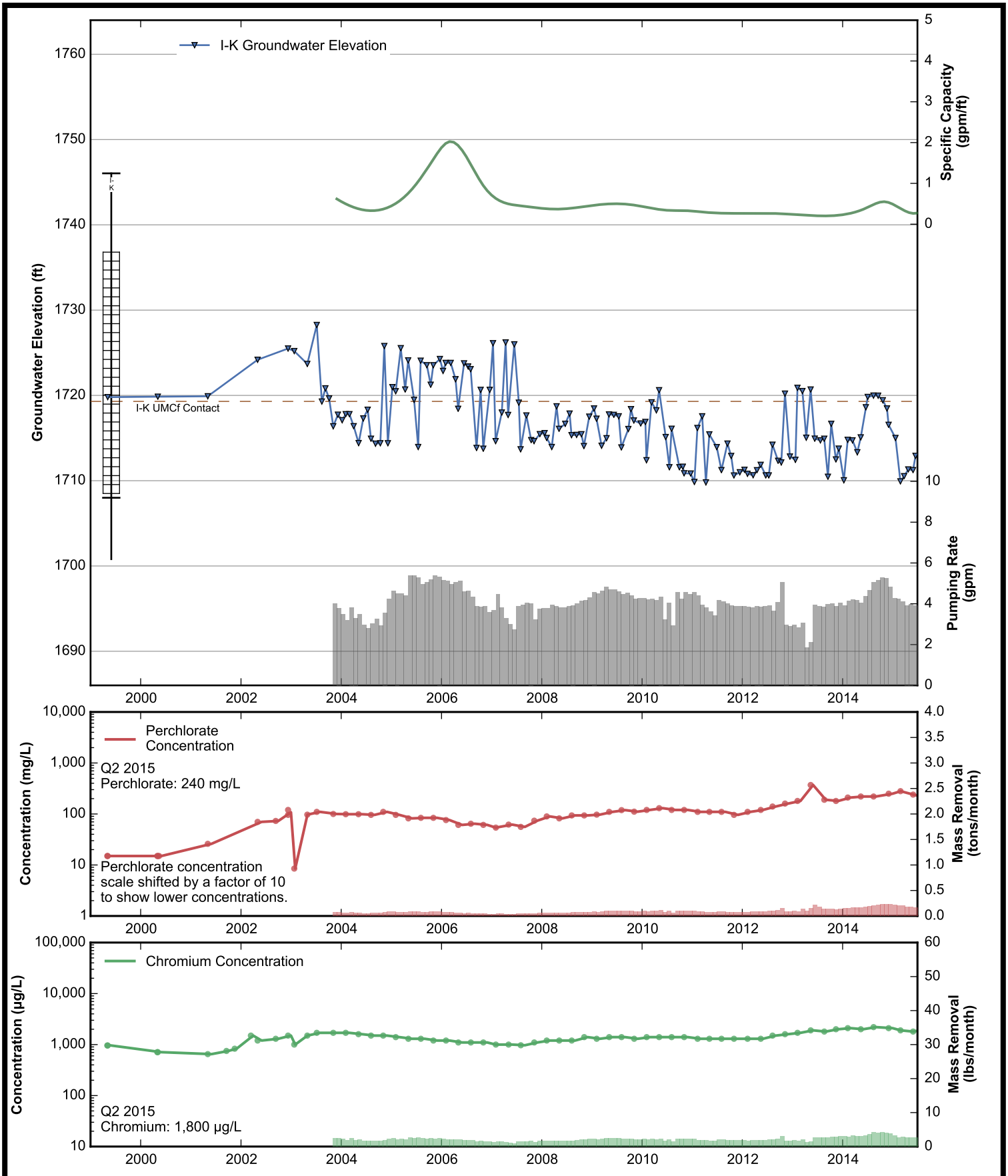

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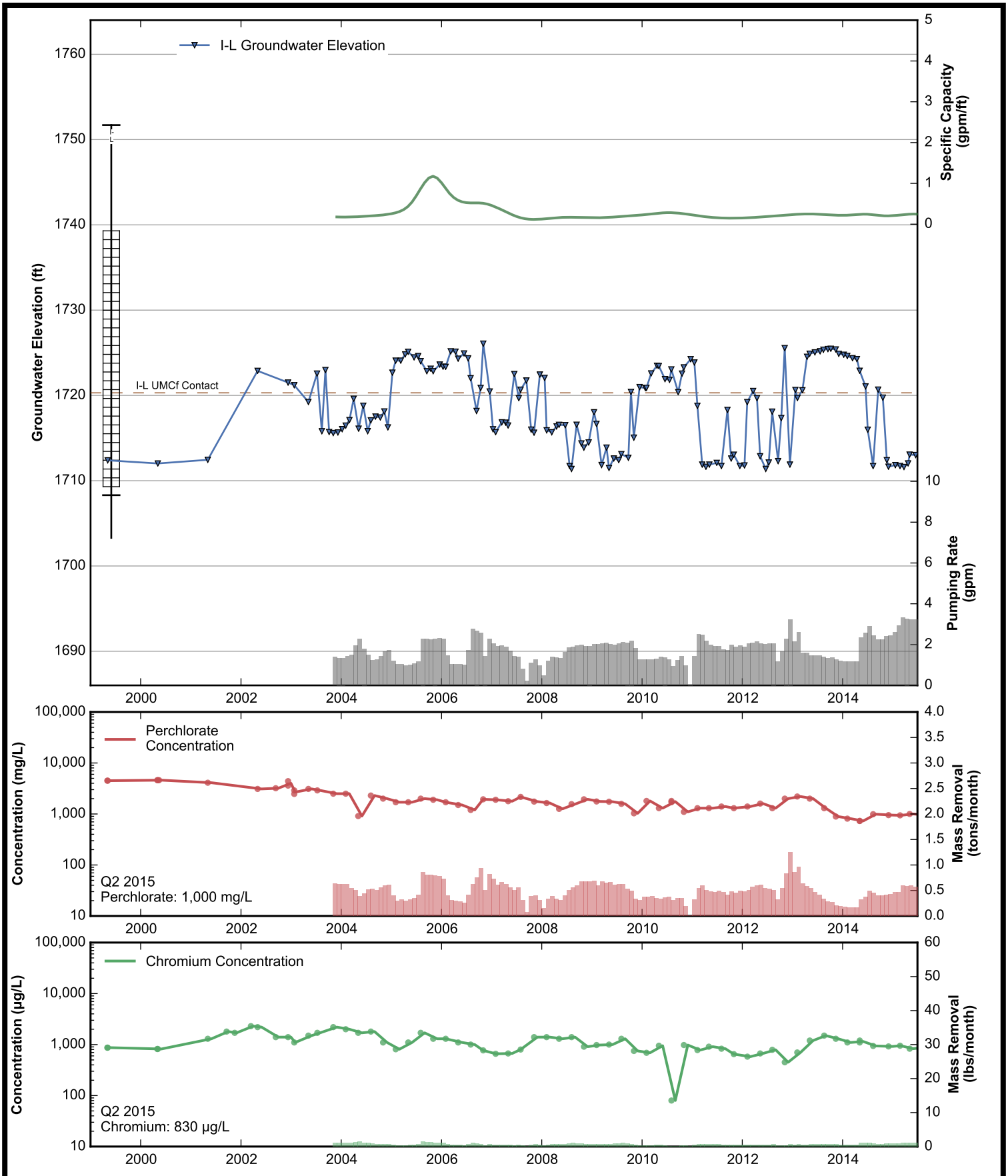
Data Sheet for Well I-K
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



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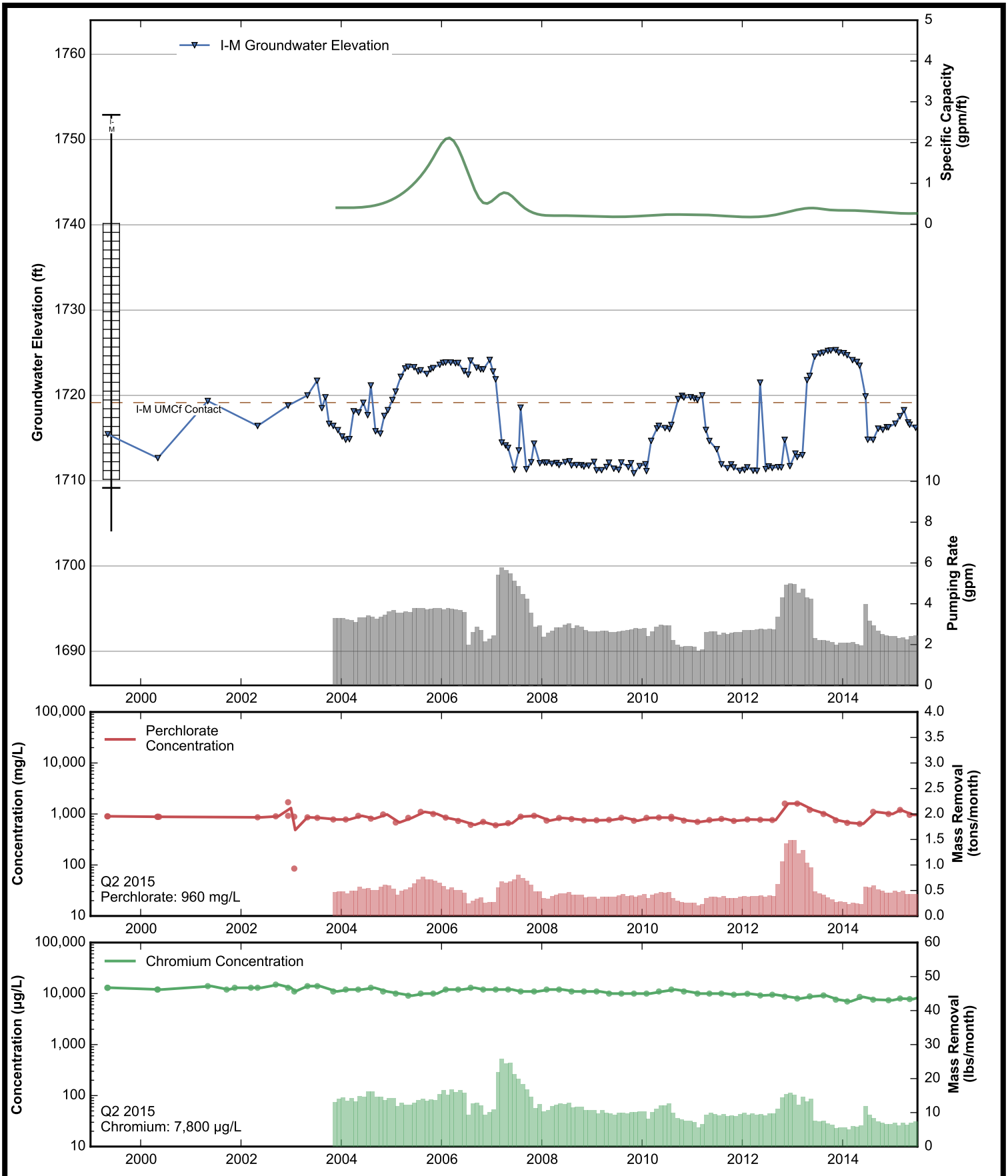
Data Sheet for Well I-L
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



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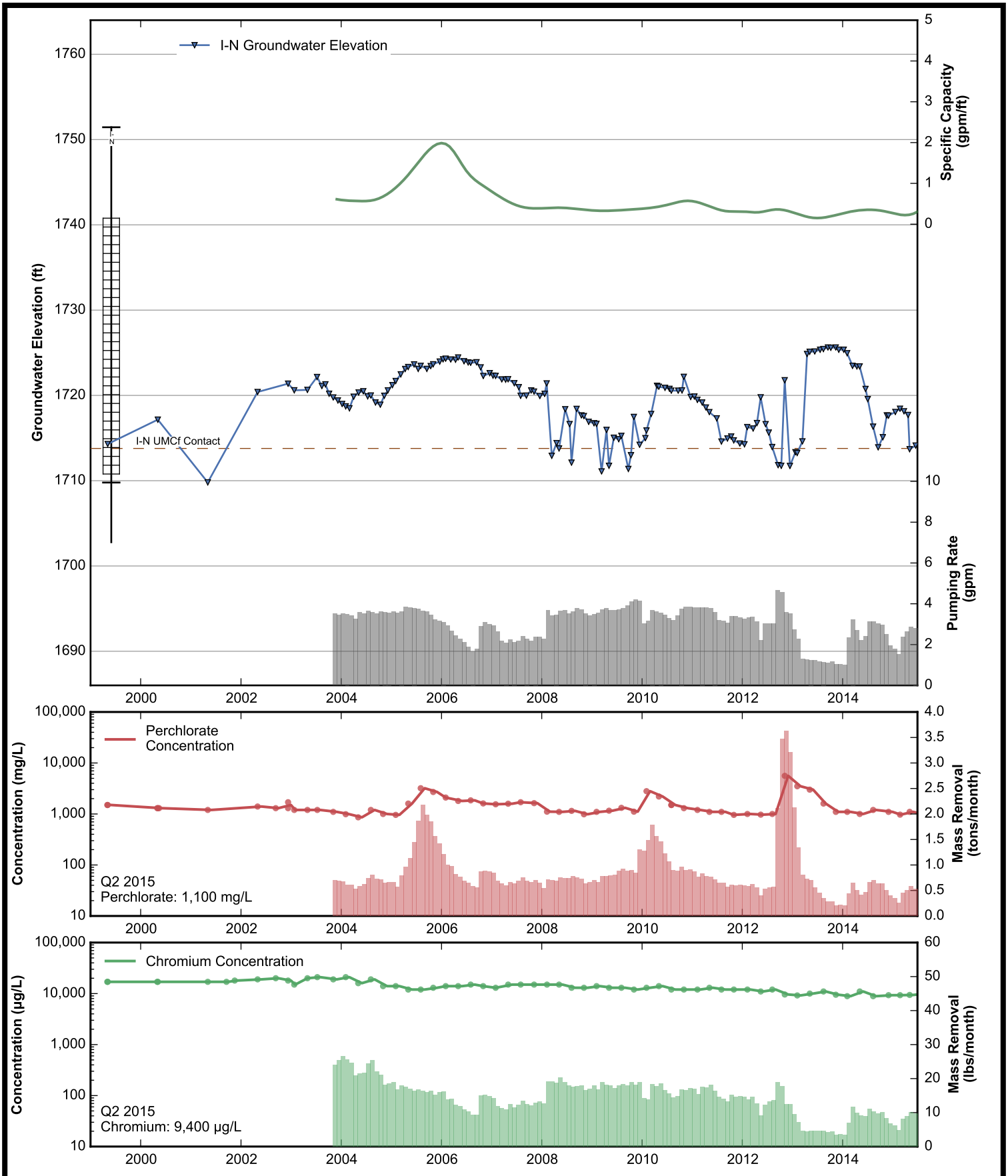
Data Sheet for Well I-M
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



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Data Sheet for Well I-N
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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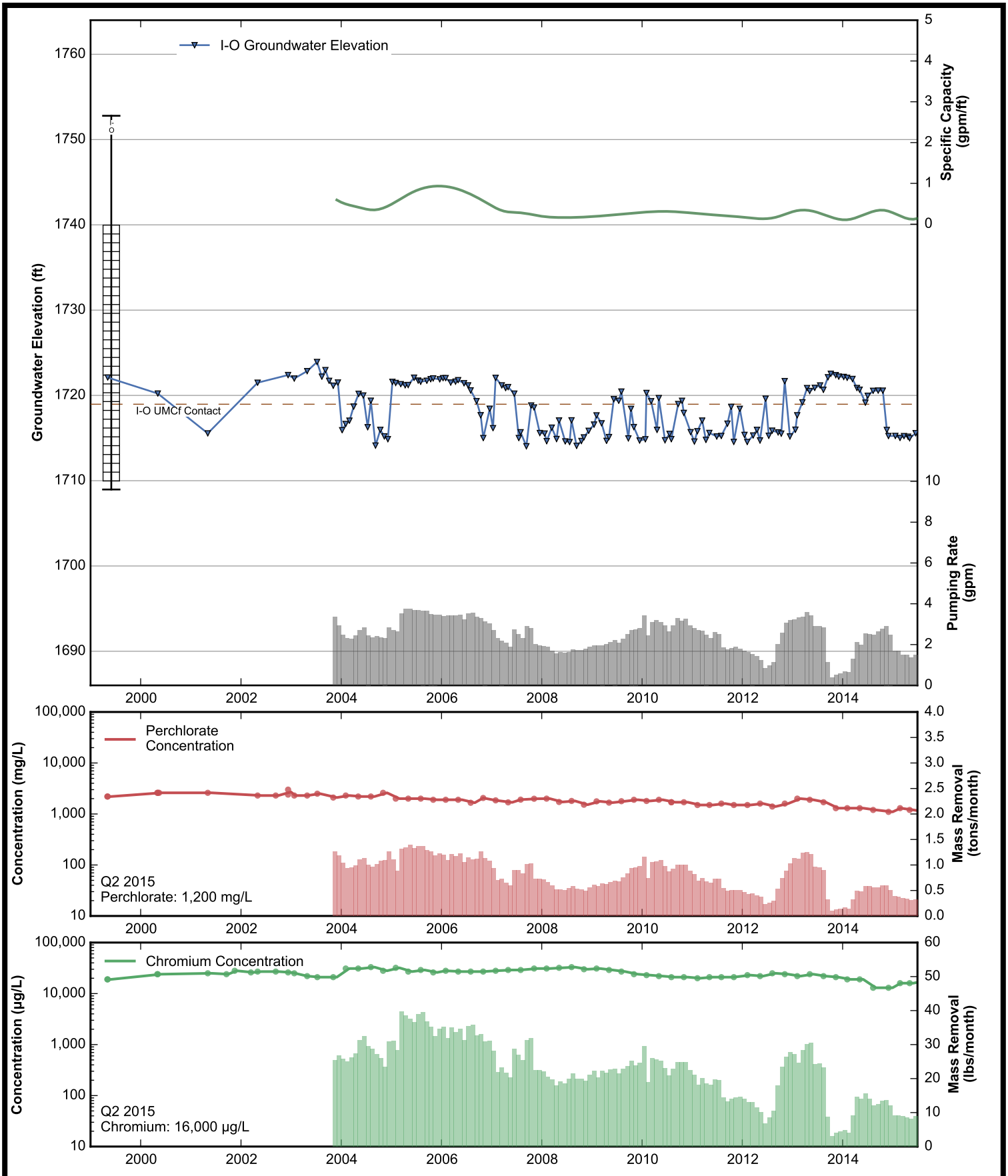

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Data Sheet for Well I-O
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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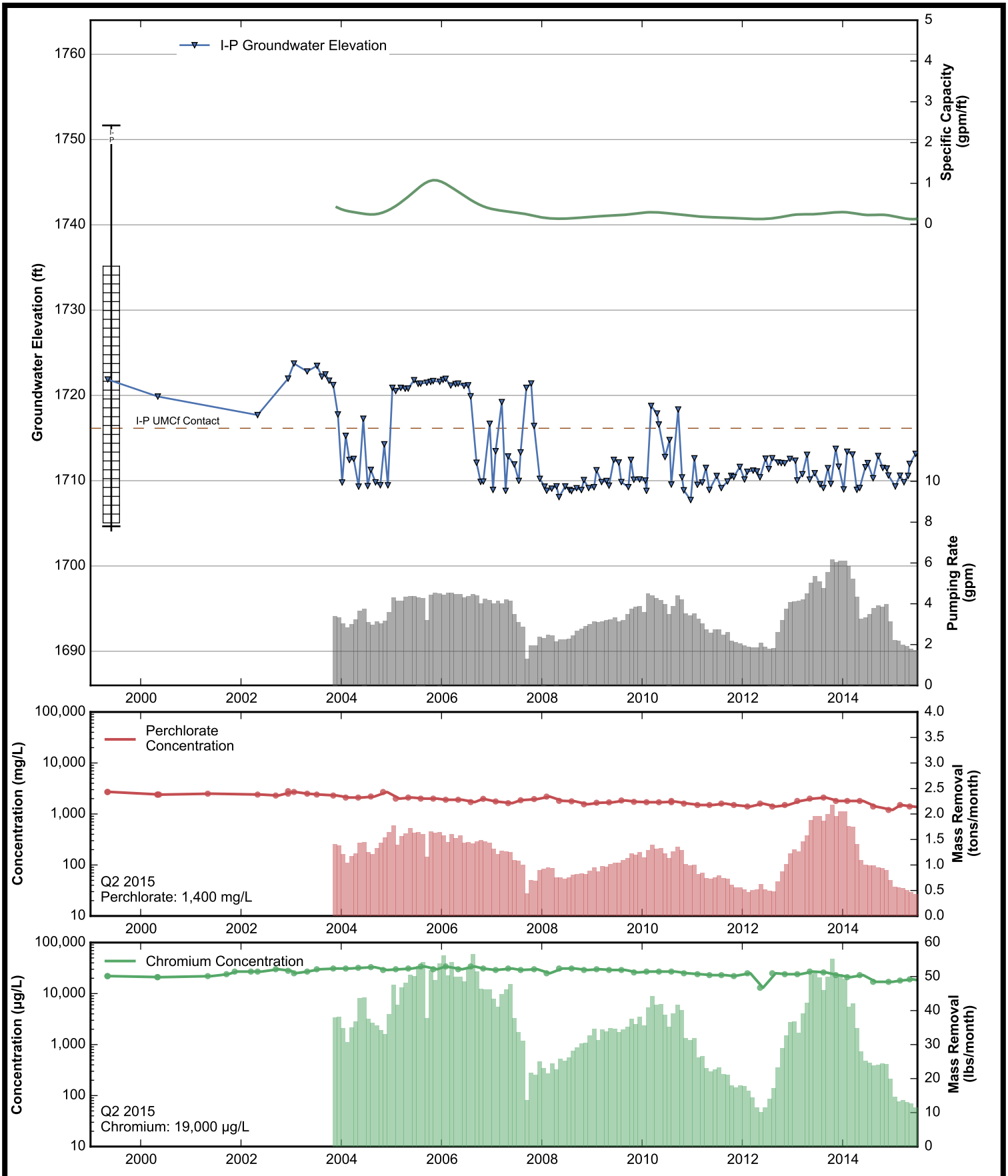

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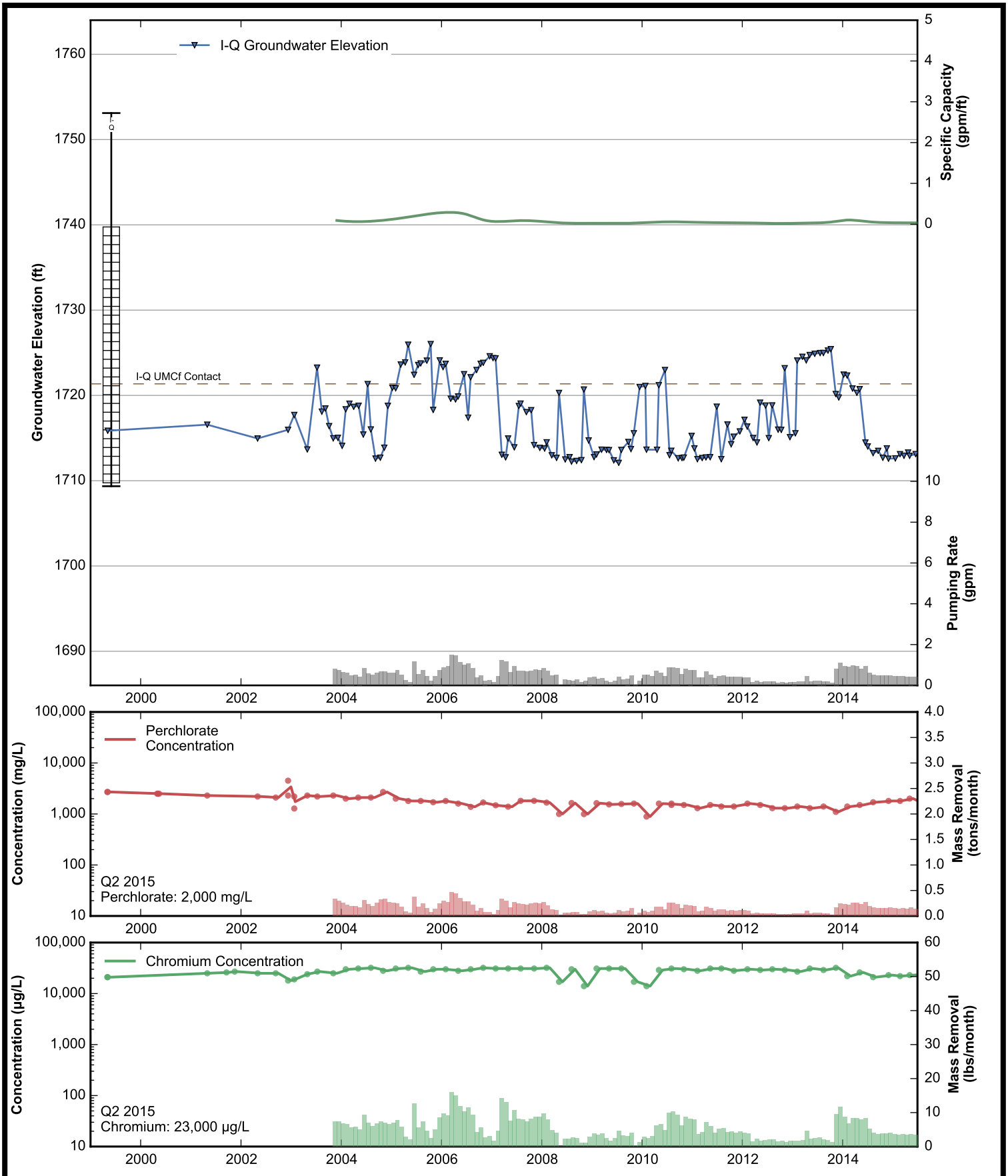
Data Sheet for Well I-P
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



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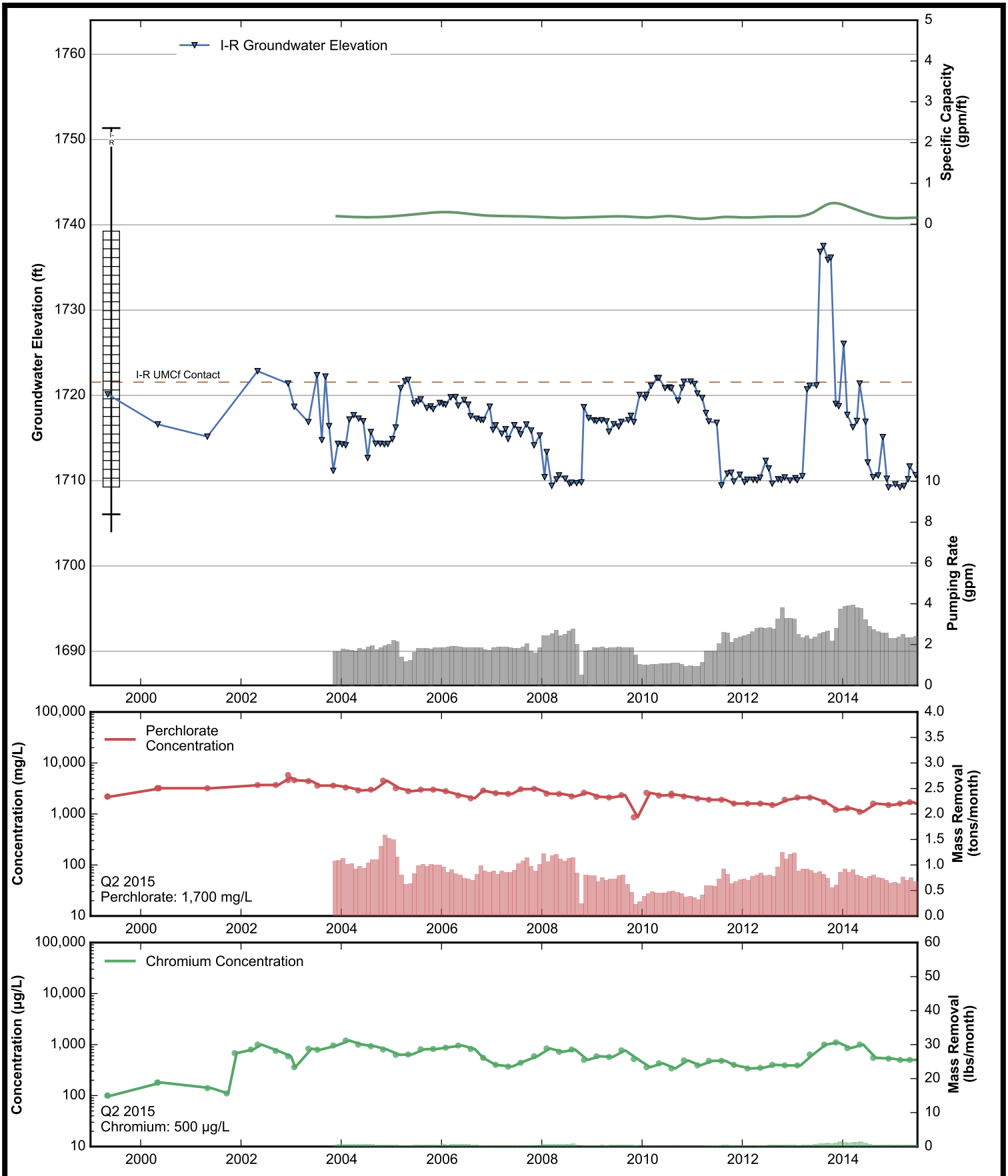
Data Sheet for Well I-Q
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



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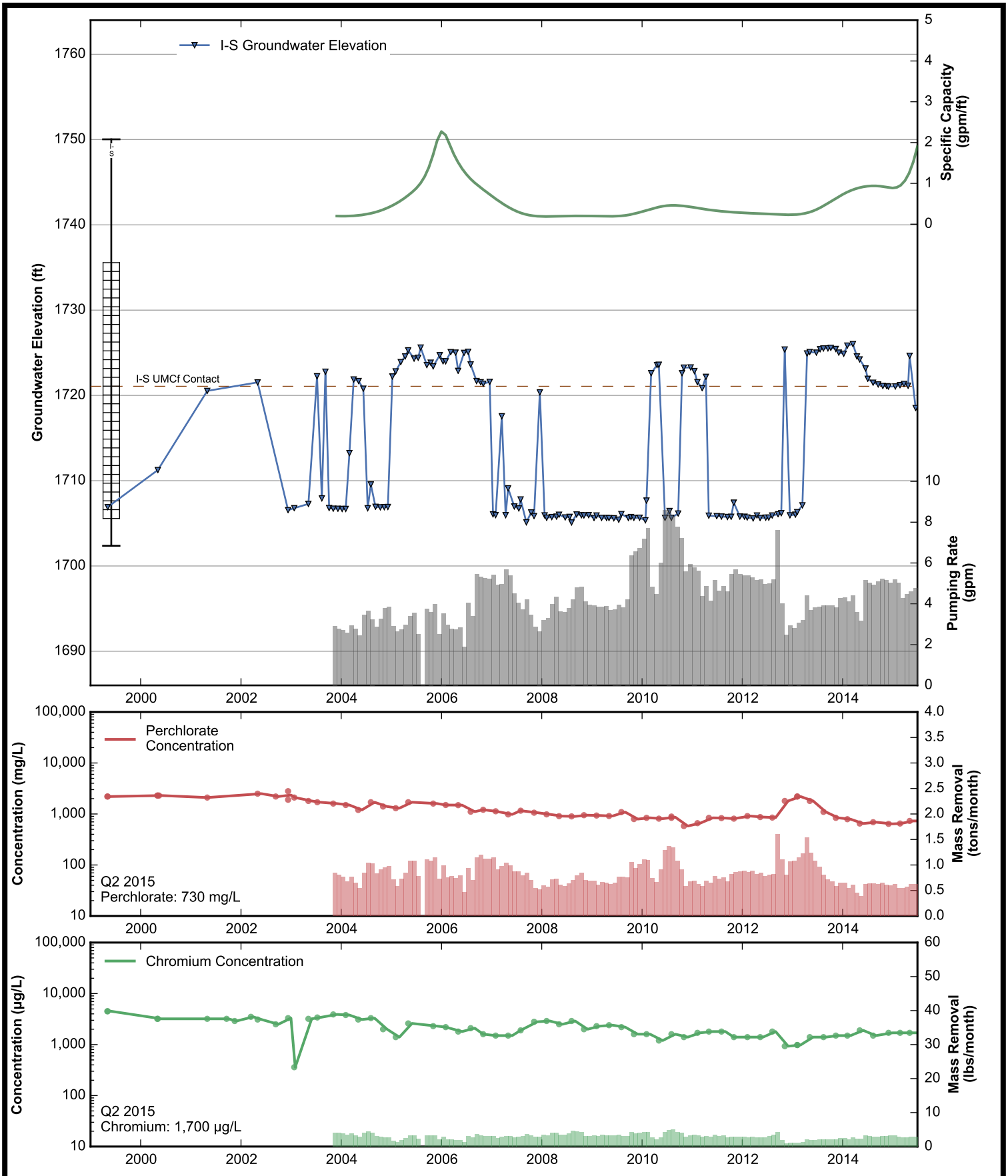
Data Sheet for Well I-R
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



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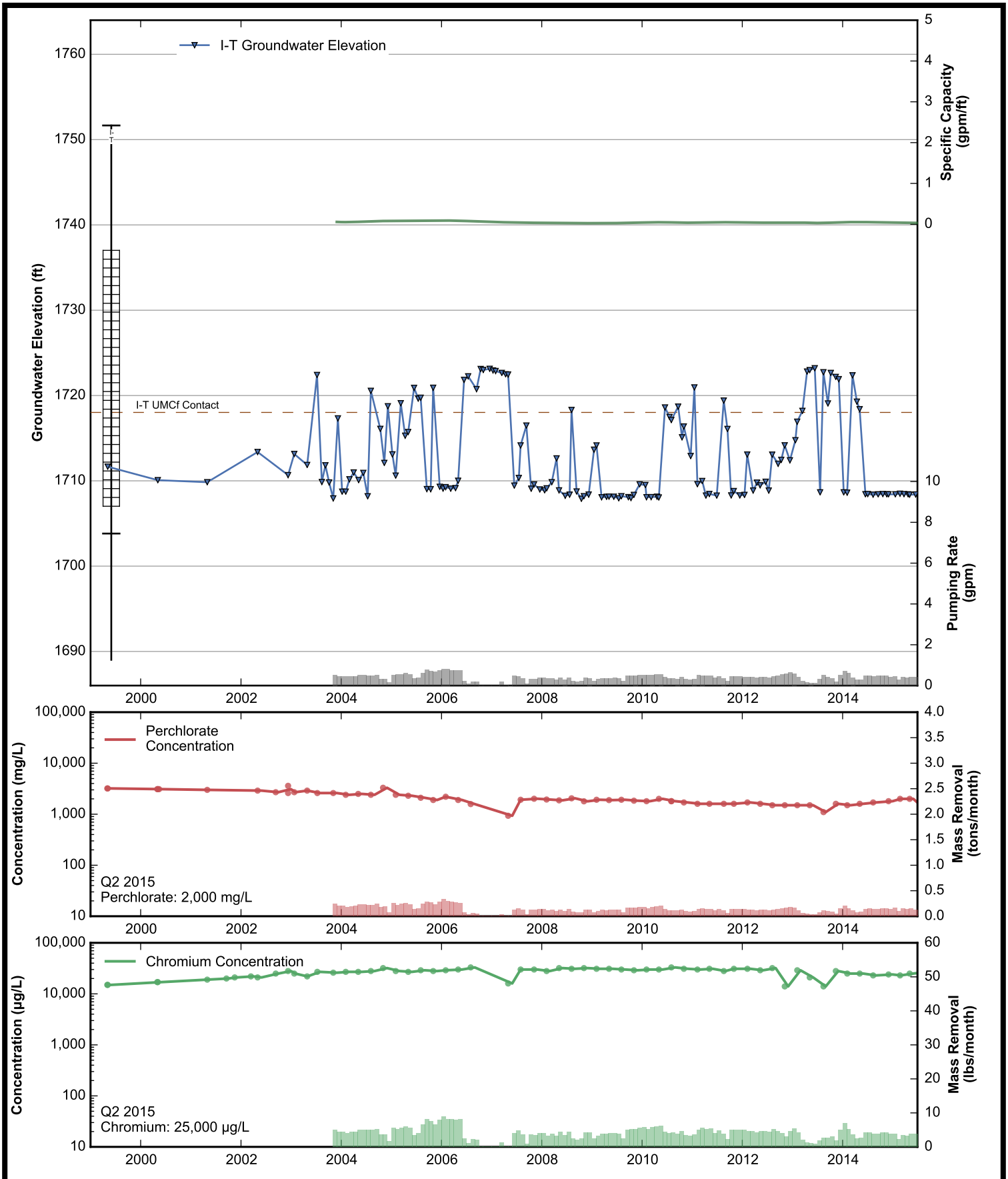
Data Sheet for Well I-S
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



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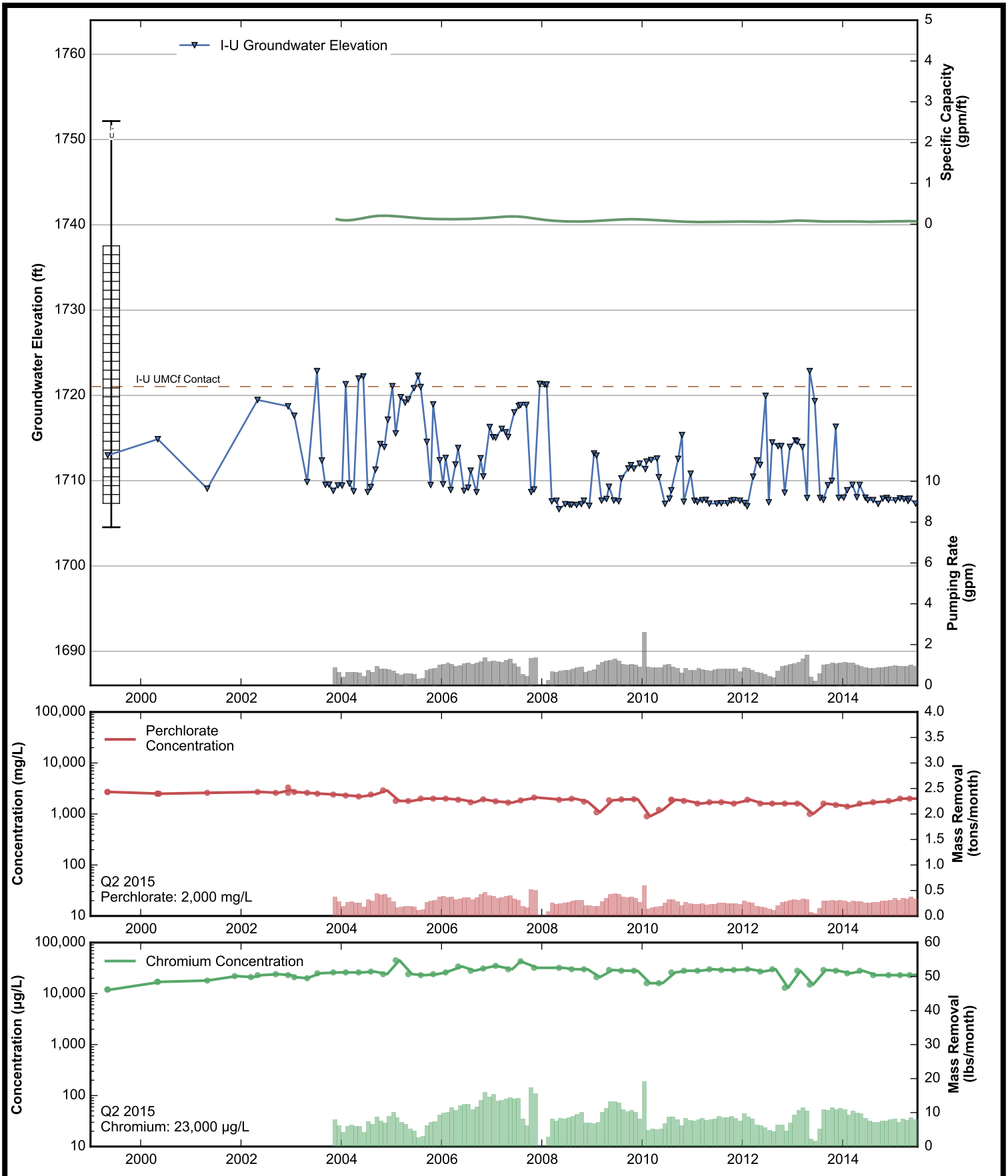
Data Sheet for Well I-T
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



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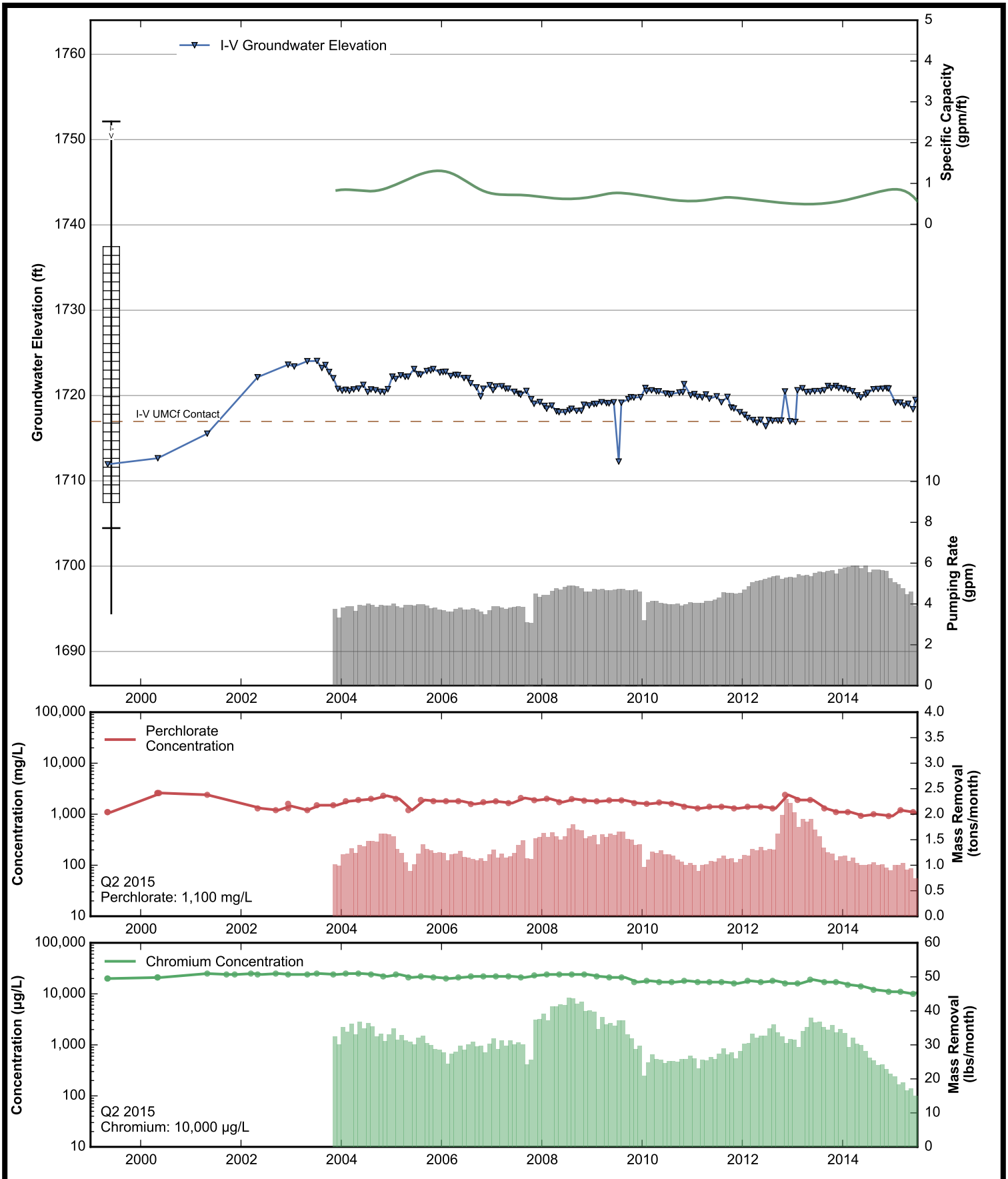
Data Sheet for Well I-U
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



RAMBOLL ENVIRON

Data Sheet for Well I-V
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

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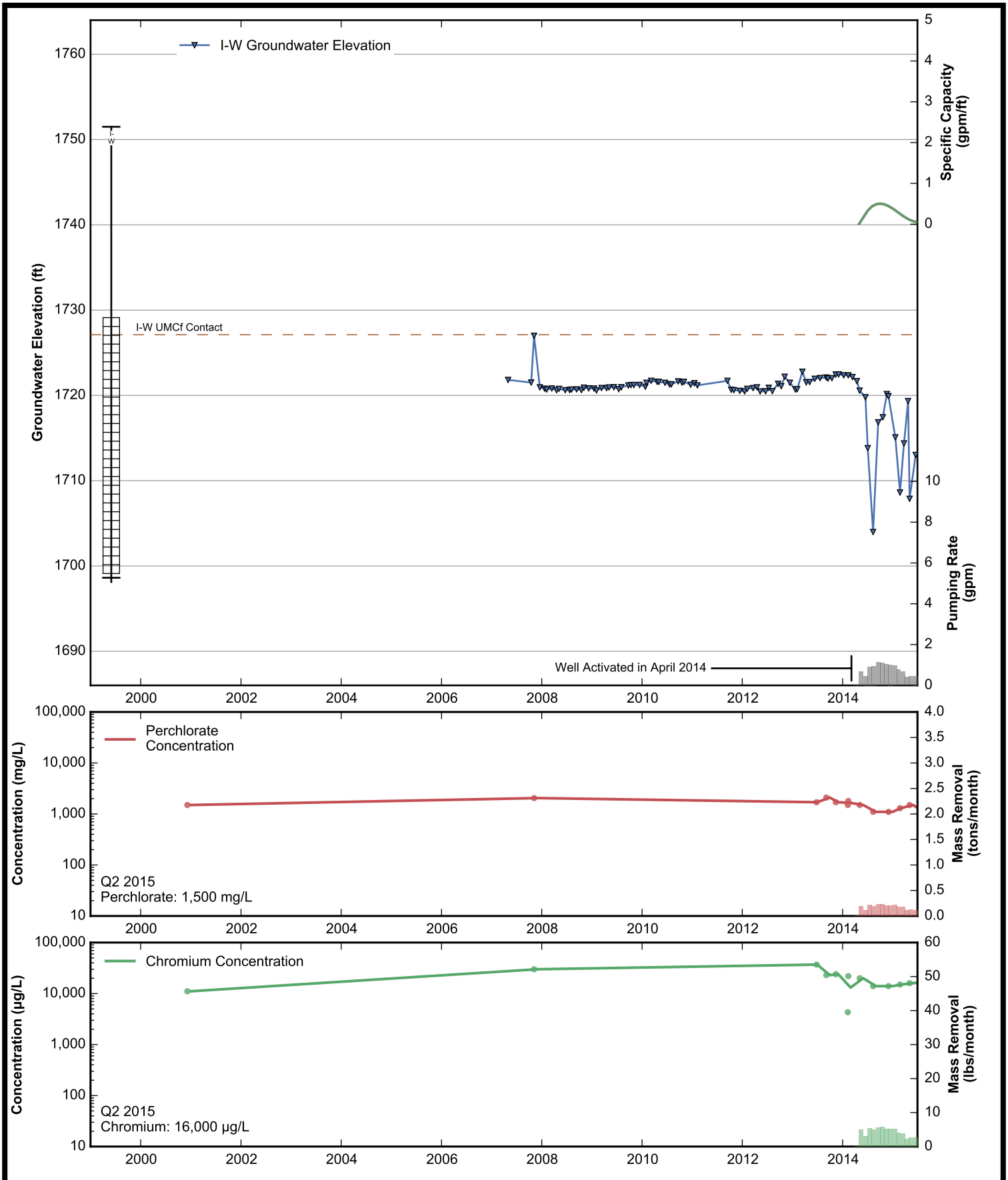
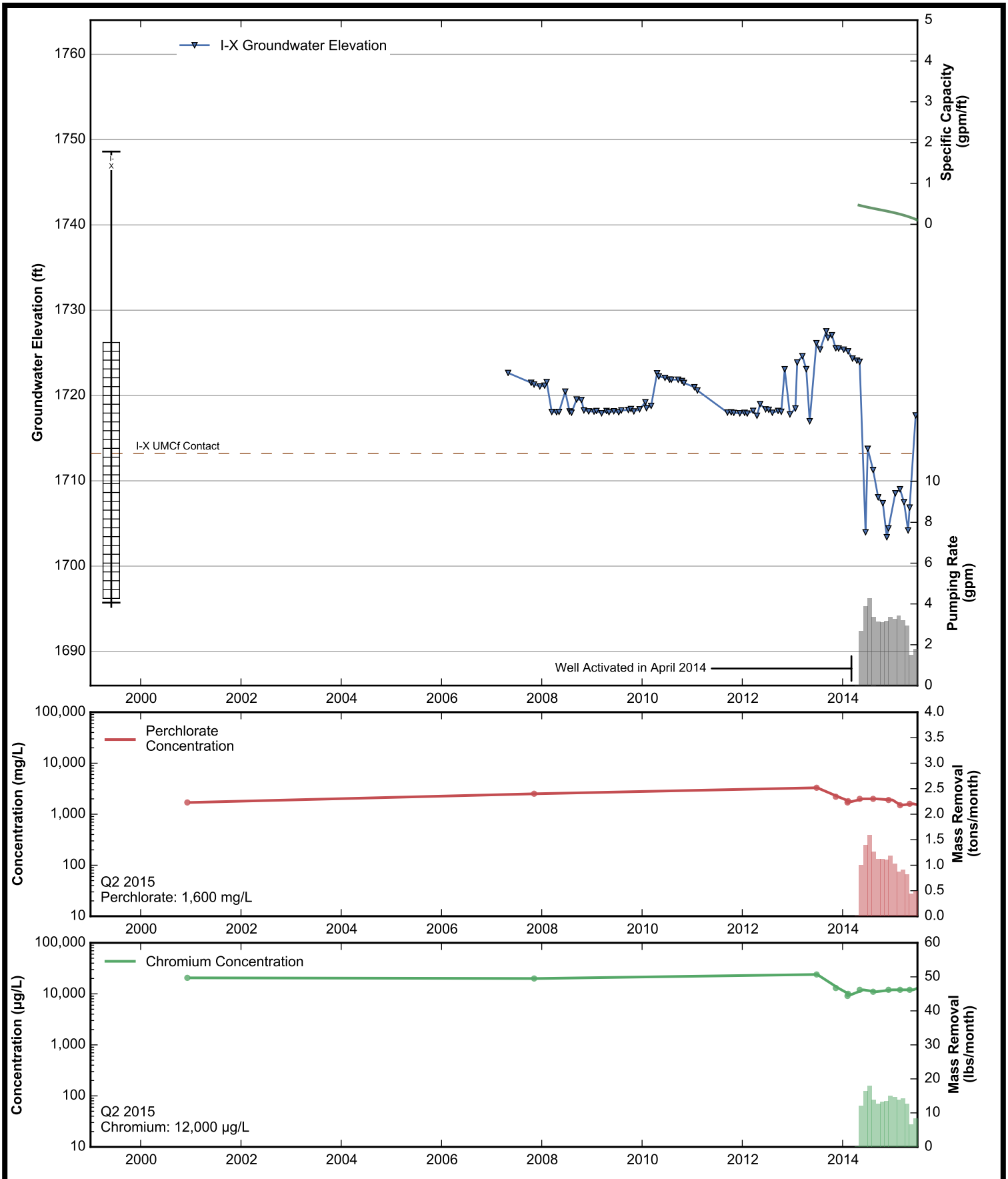


RAMBOLL ENVIRON

Data Sheet for Well I-W
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

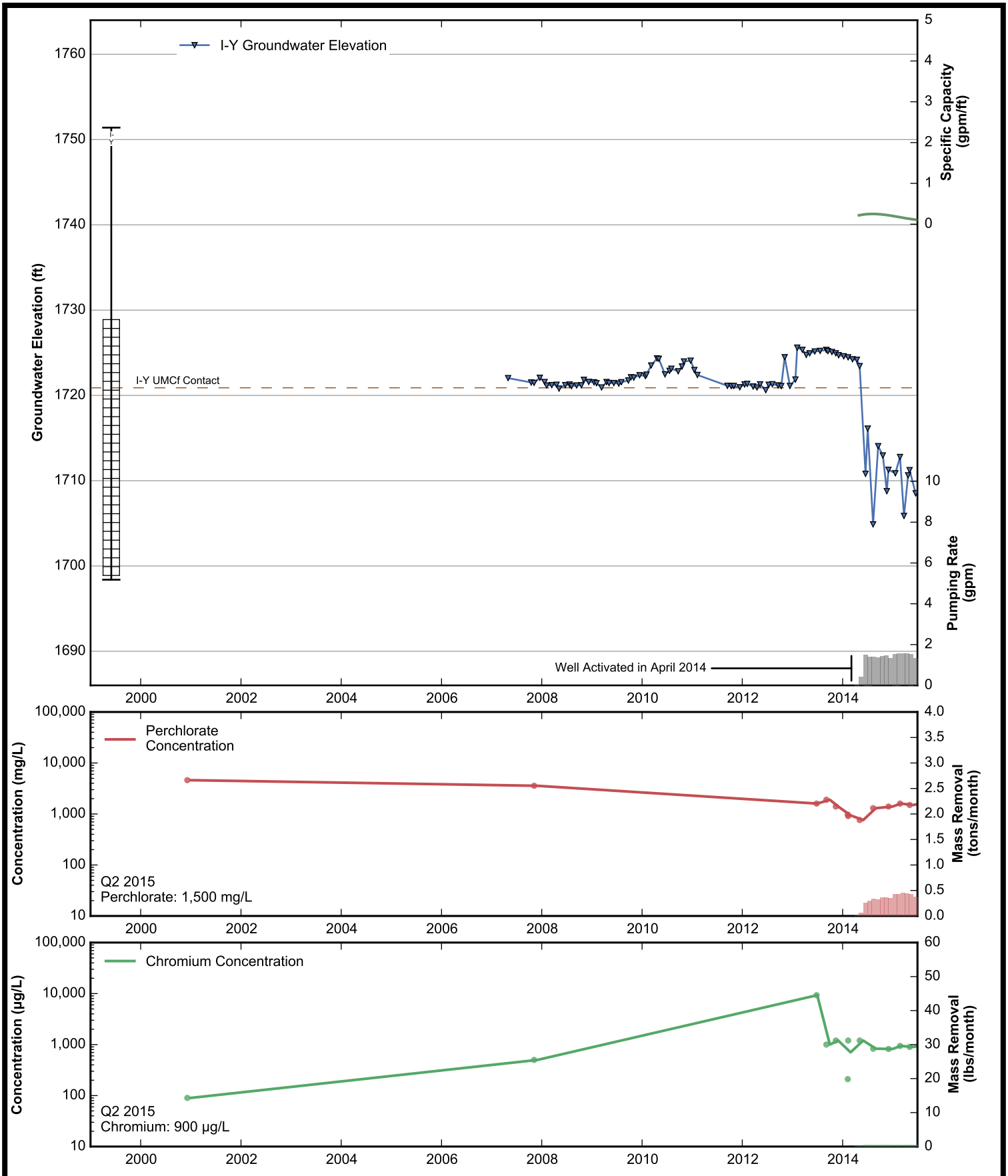


RAMBOLL ENVIRON

Data Sheet for Well I-X
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

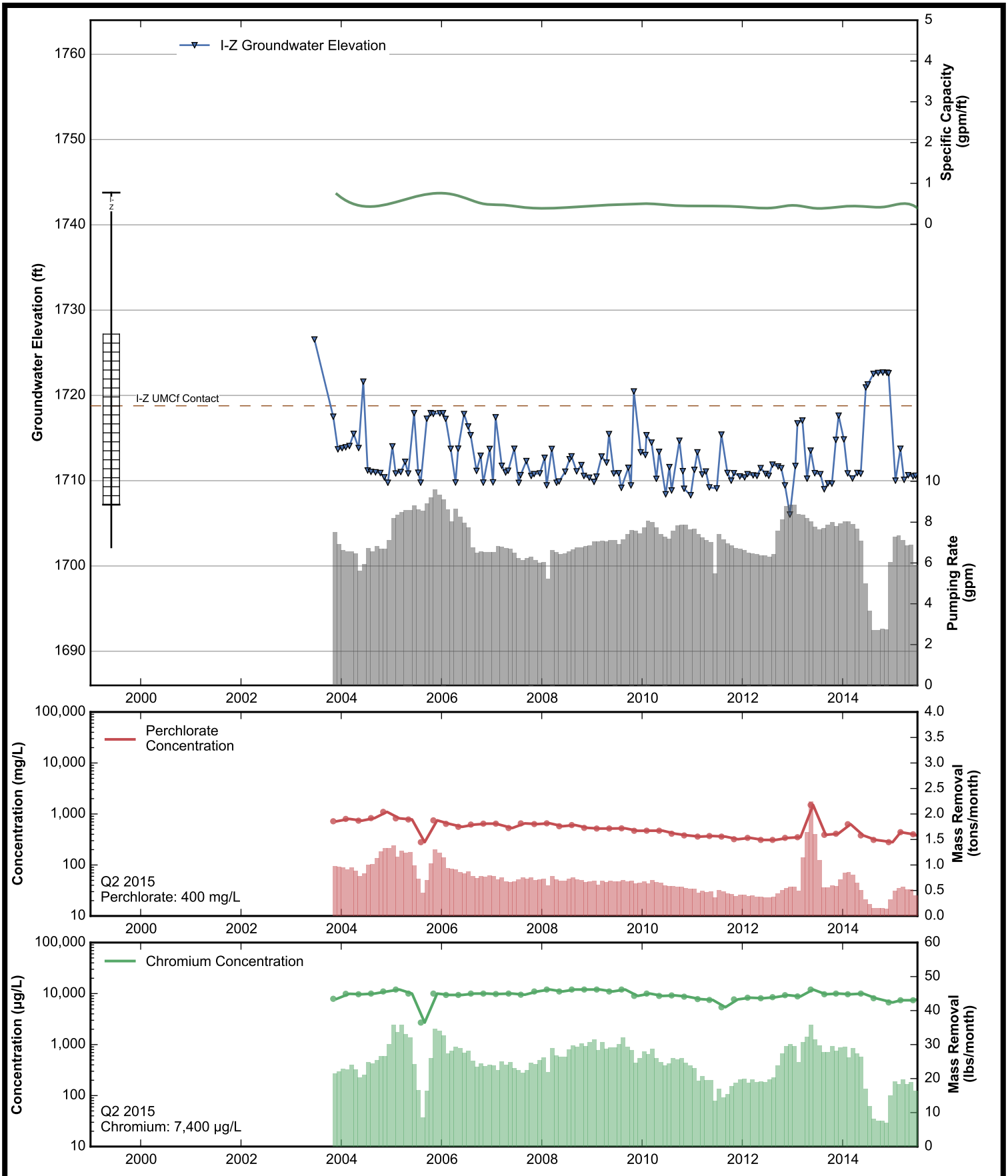


RAMBOLL ENVIRON

Data Sheet for Well I-Y
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

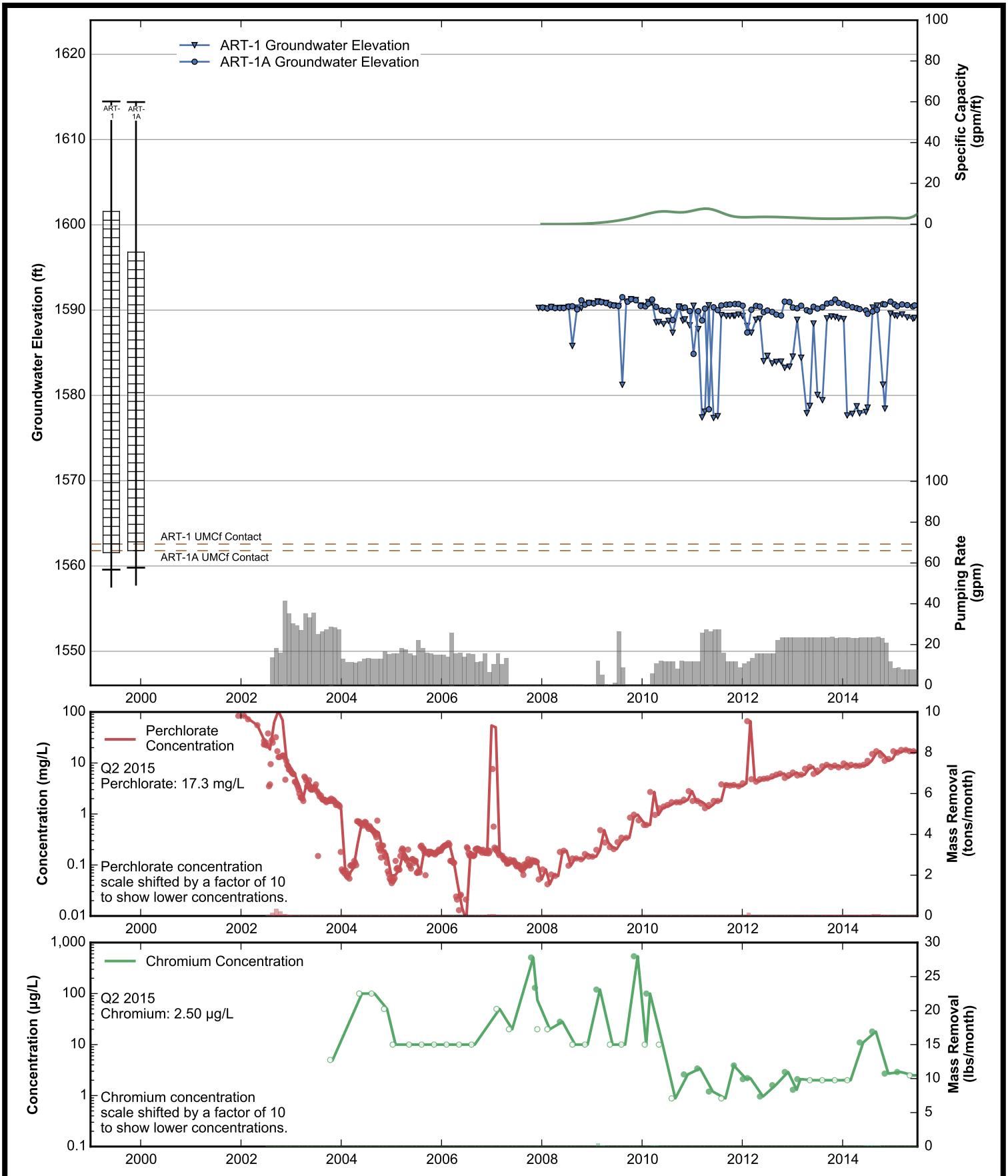


RAMBOLL ENVIRON

Data Sheet for Well I-Z
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

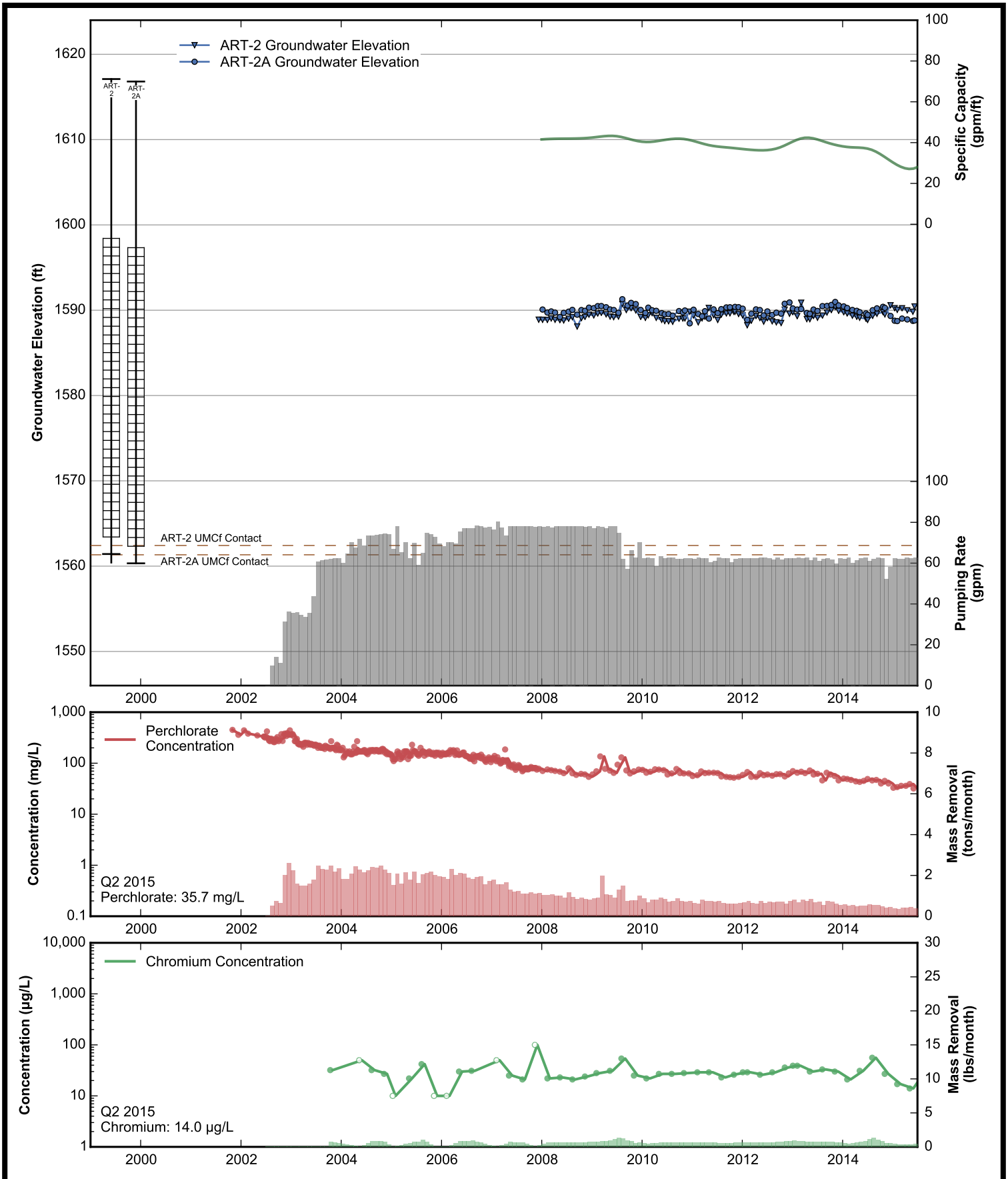


RAMBOLL ENVIRON

Data Sheet for Well ART-1/1A
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

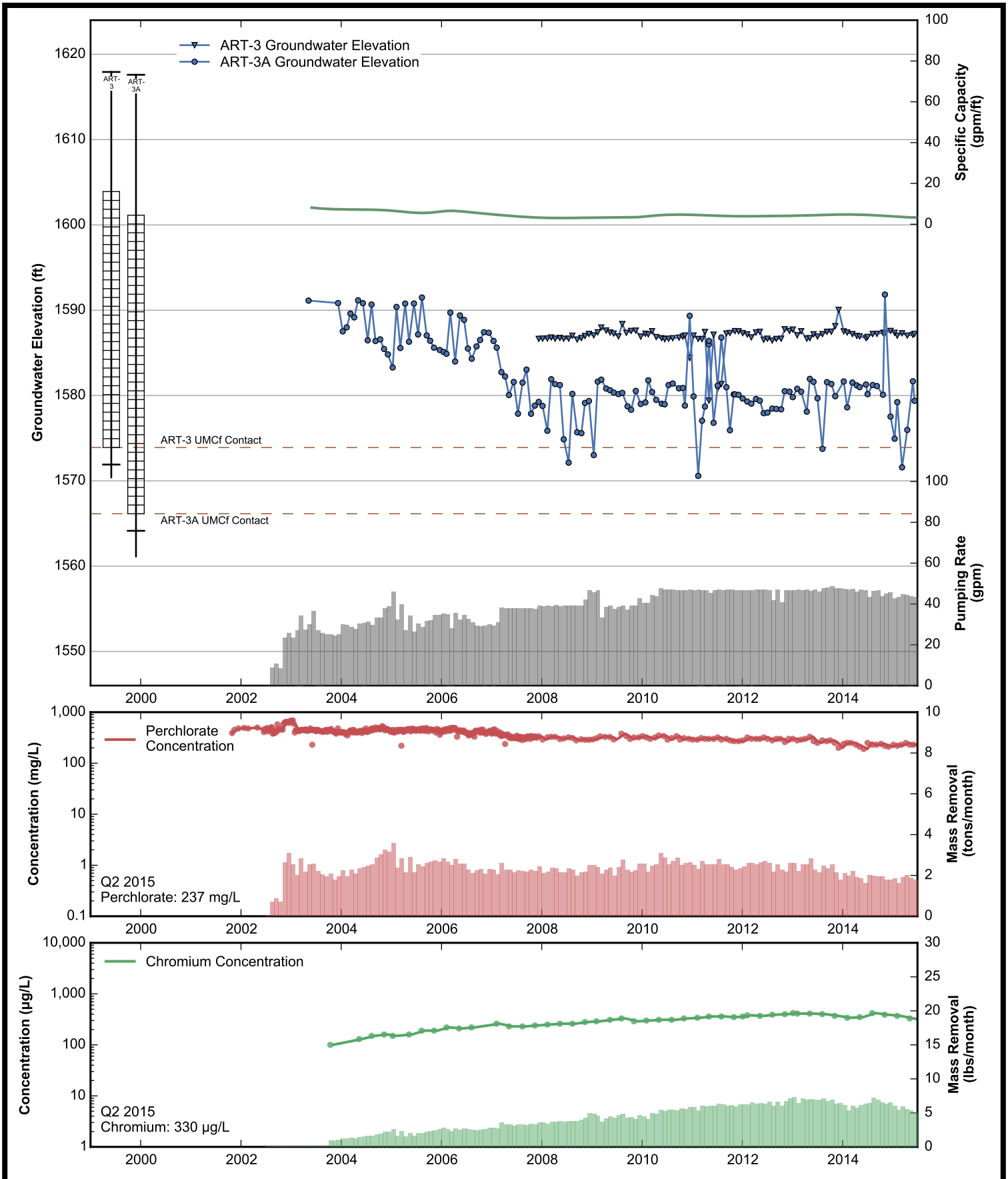


RAMBOLL ENVIRON

Data Sheet for Well ART-2/2A
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

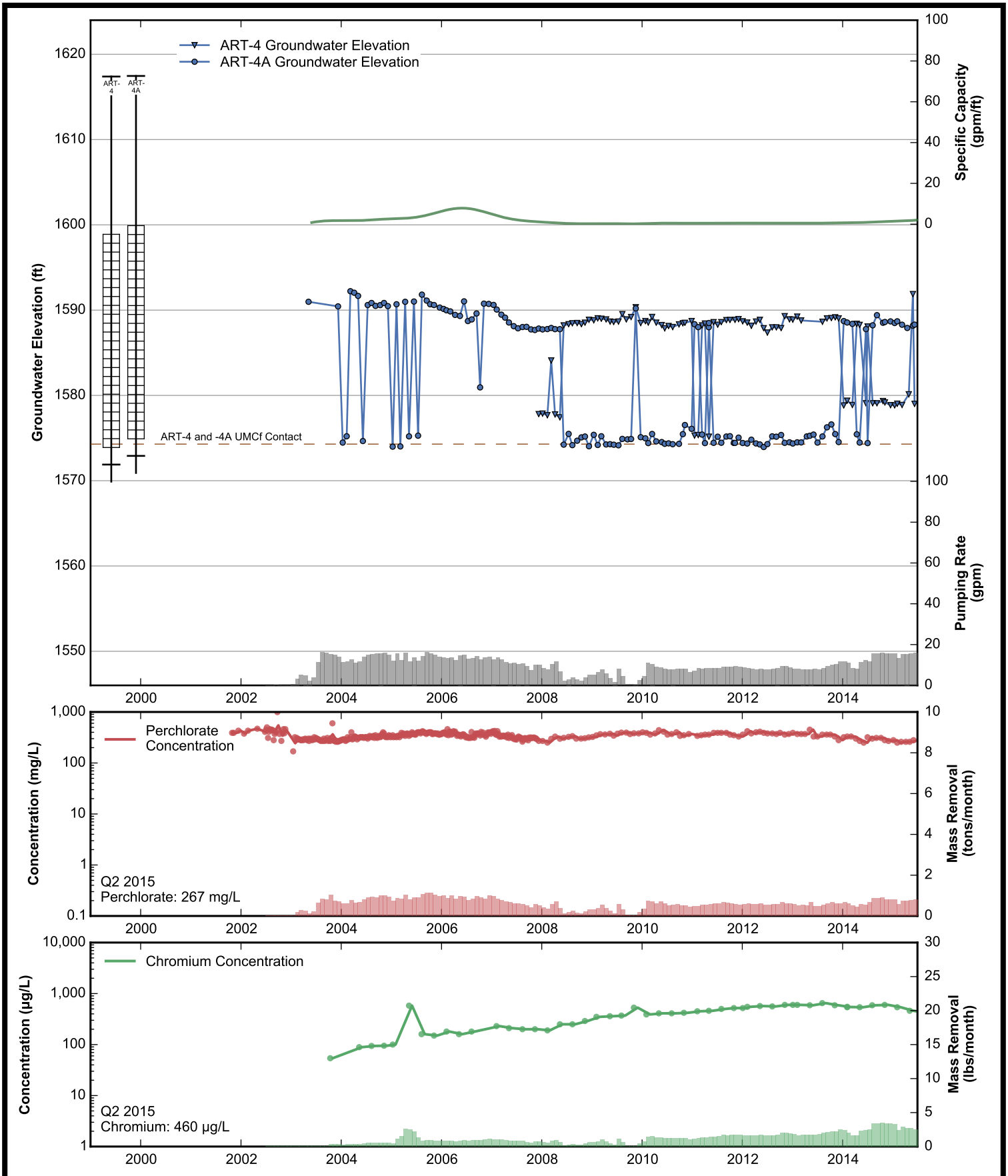


RAMBOLL ENVIRON

Data Sheet for Well ART-3/3A
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

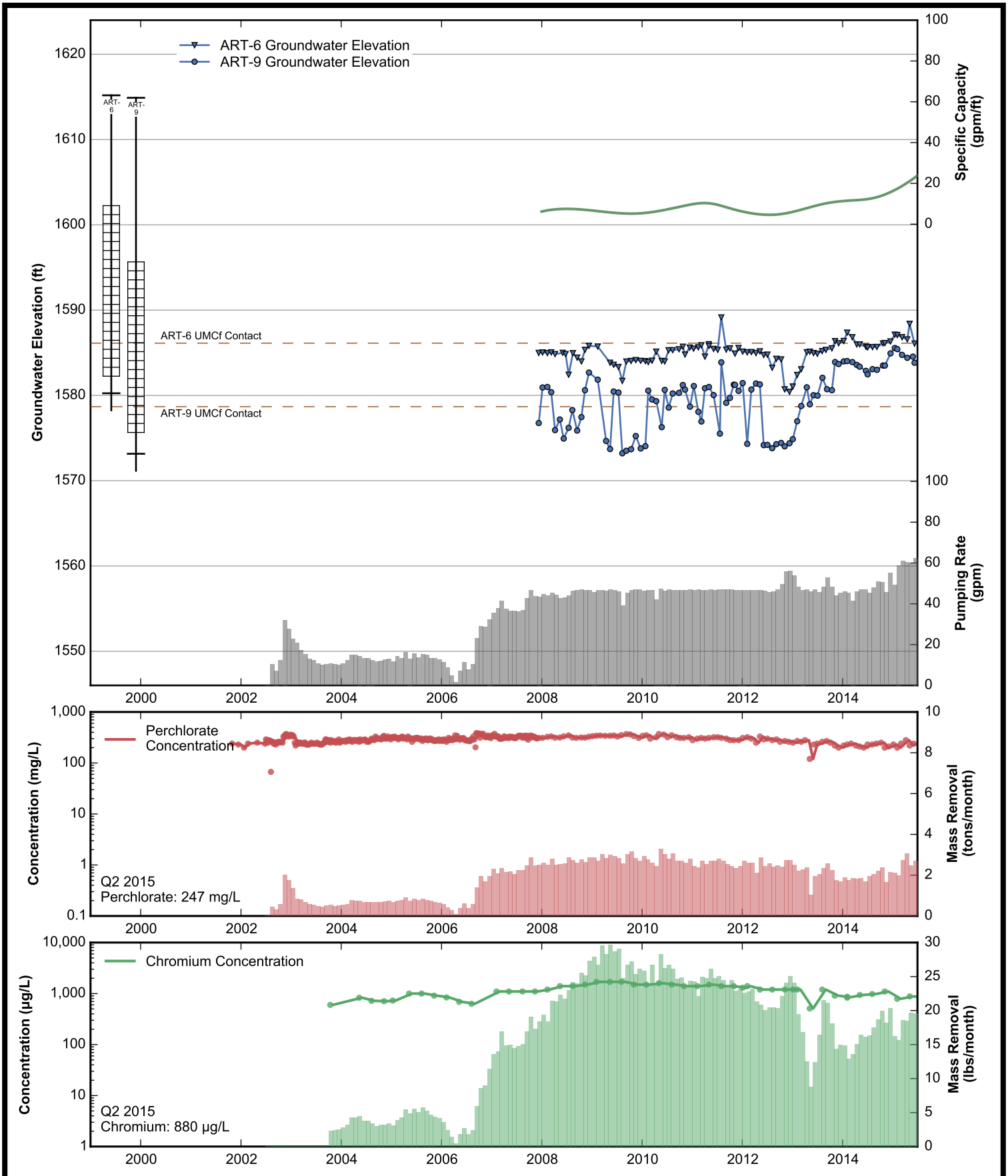


RAMBOLL ENVIRON

Data Sheet for Well ART-4/4A
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

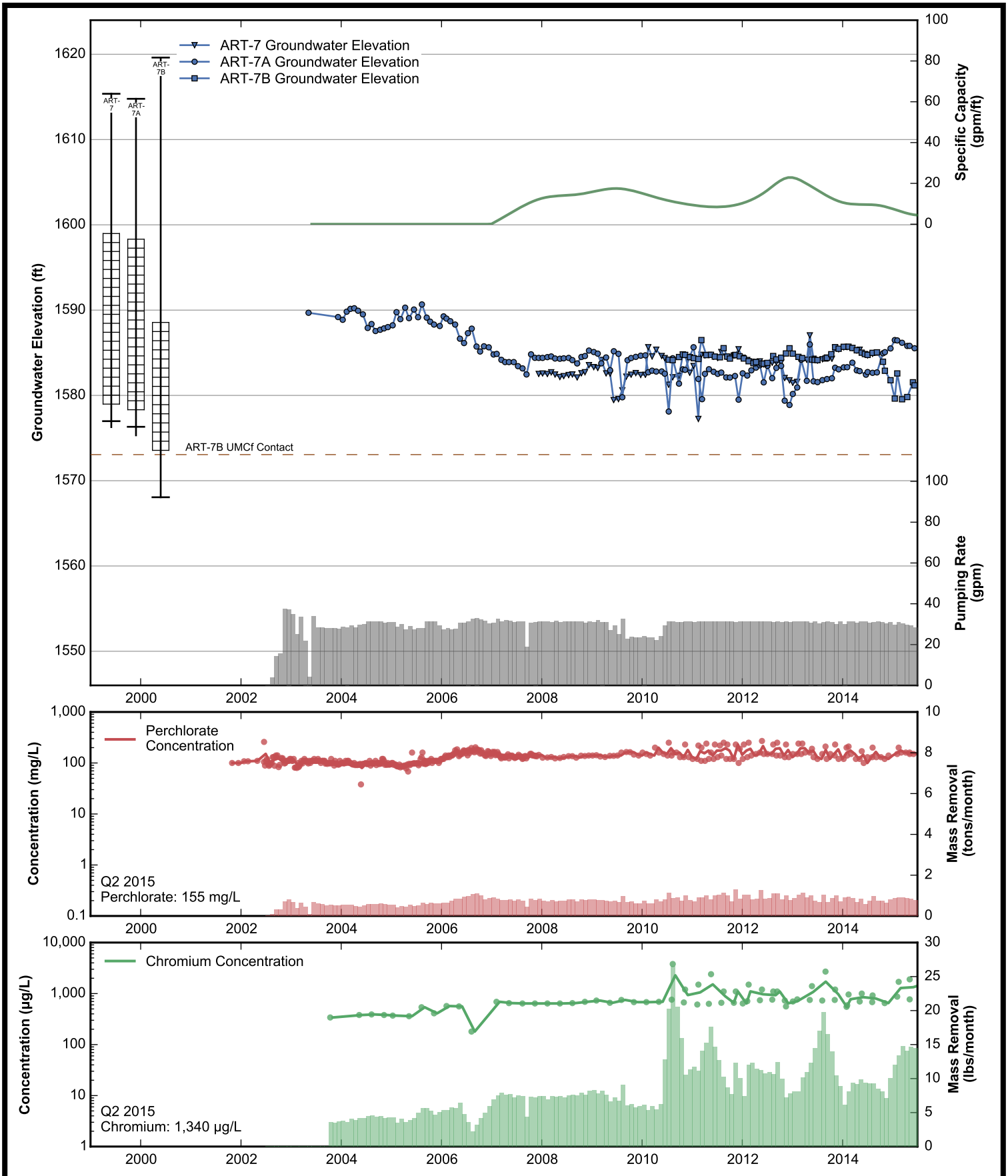


RAMBOLL ENVIRON

Data Sheet for Well ART-6/9
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

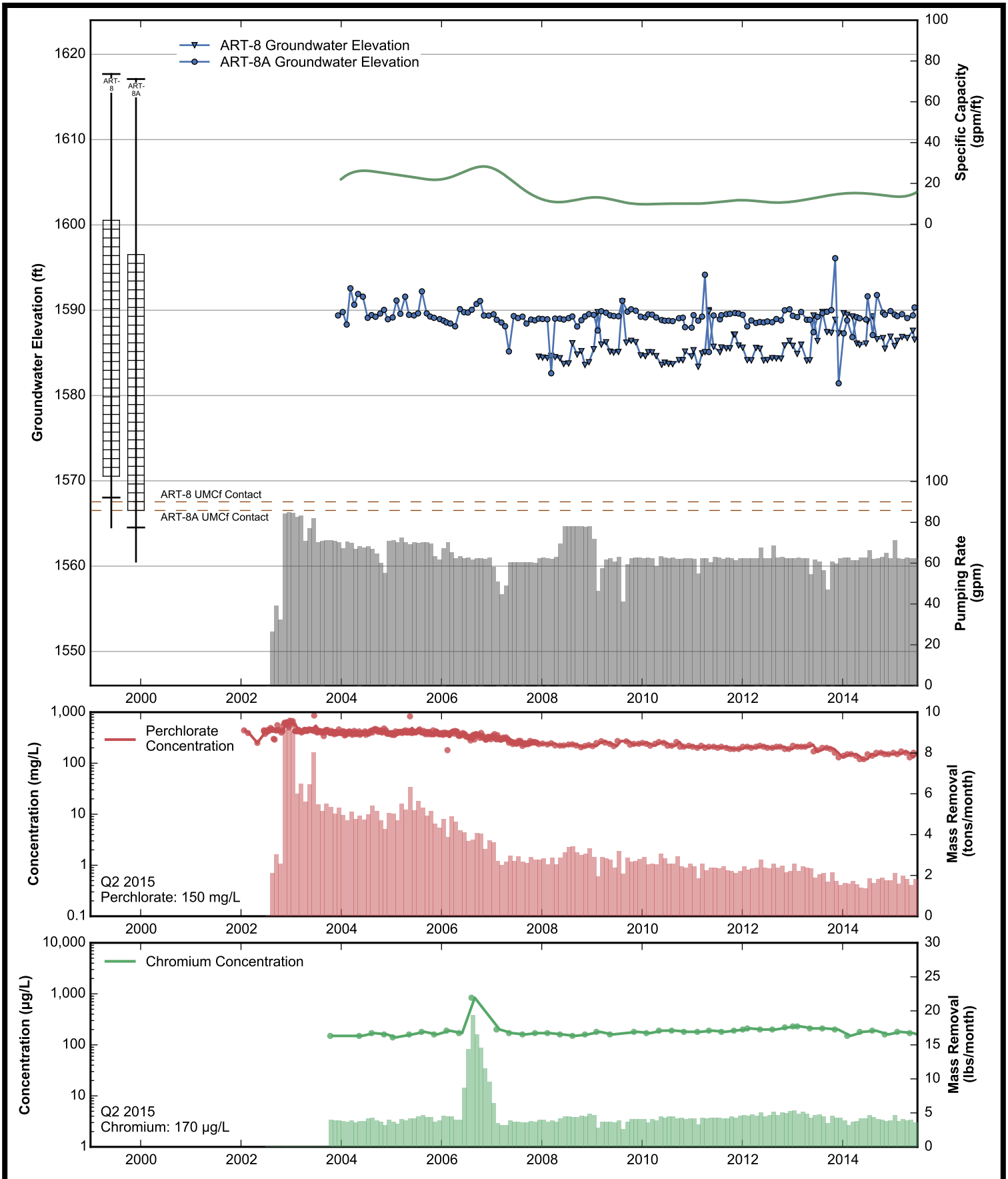


RAMBOLL ENVIRON

Data Sheet for Well ART-7/7A/7B
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

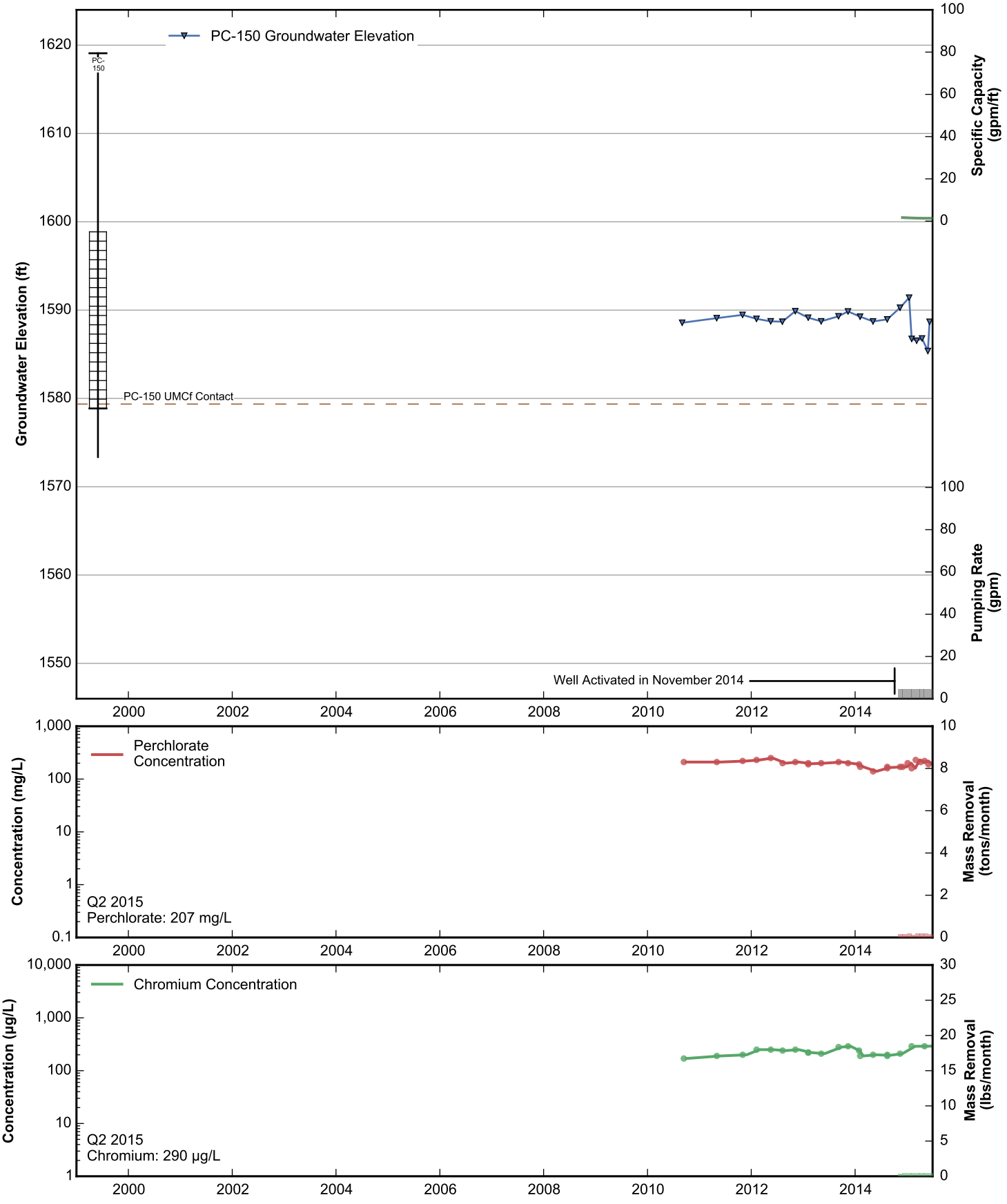


RAMBOLL ENVIRON

Data Sheet for Well ART-8/8A
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

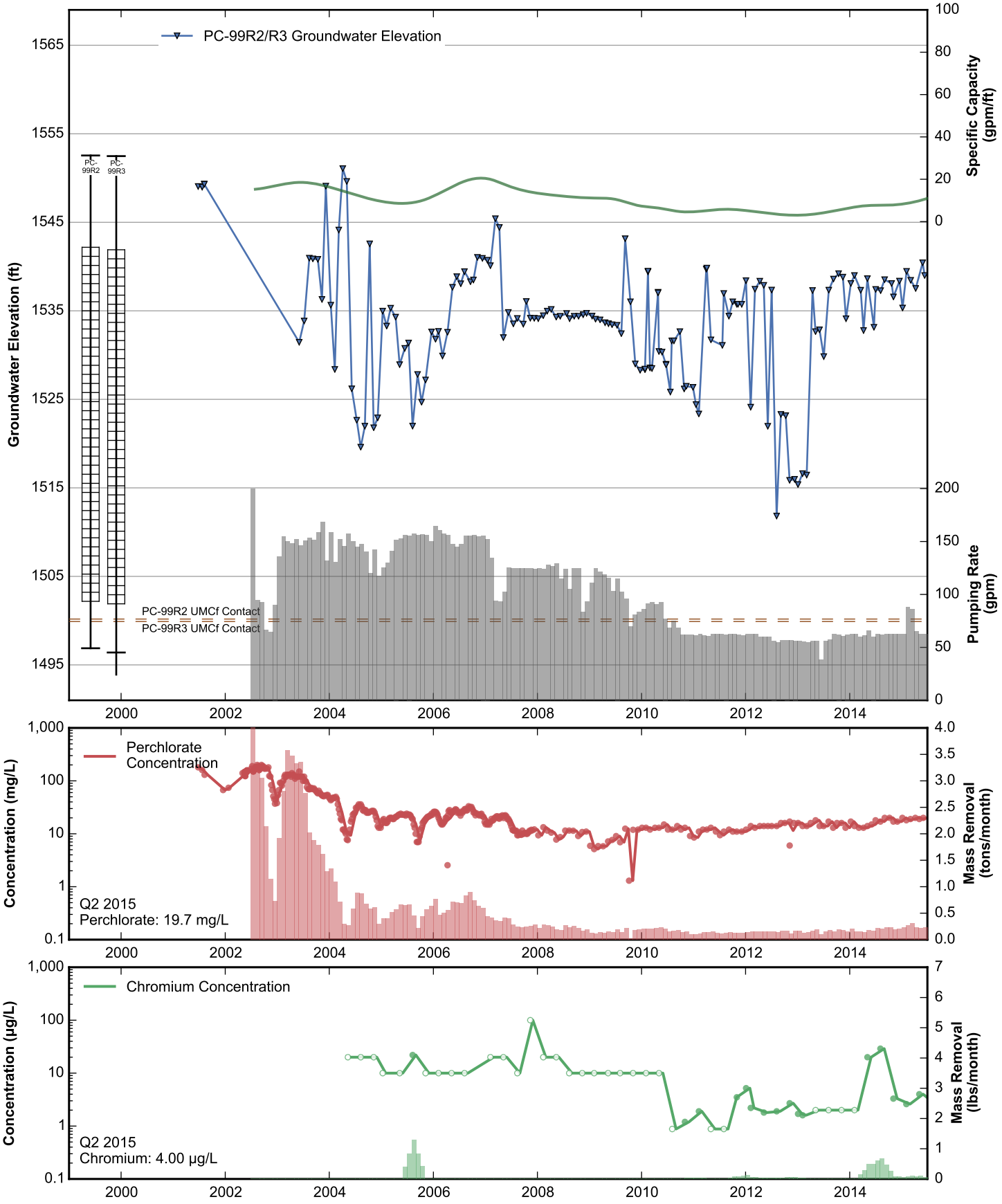


RAMBOLL ENVIRON

Data Sheet for Well PC-150
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

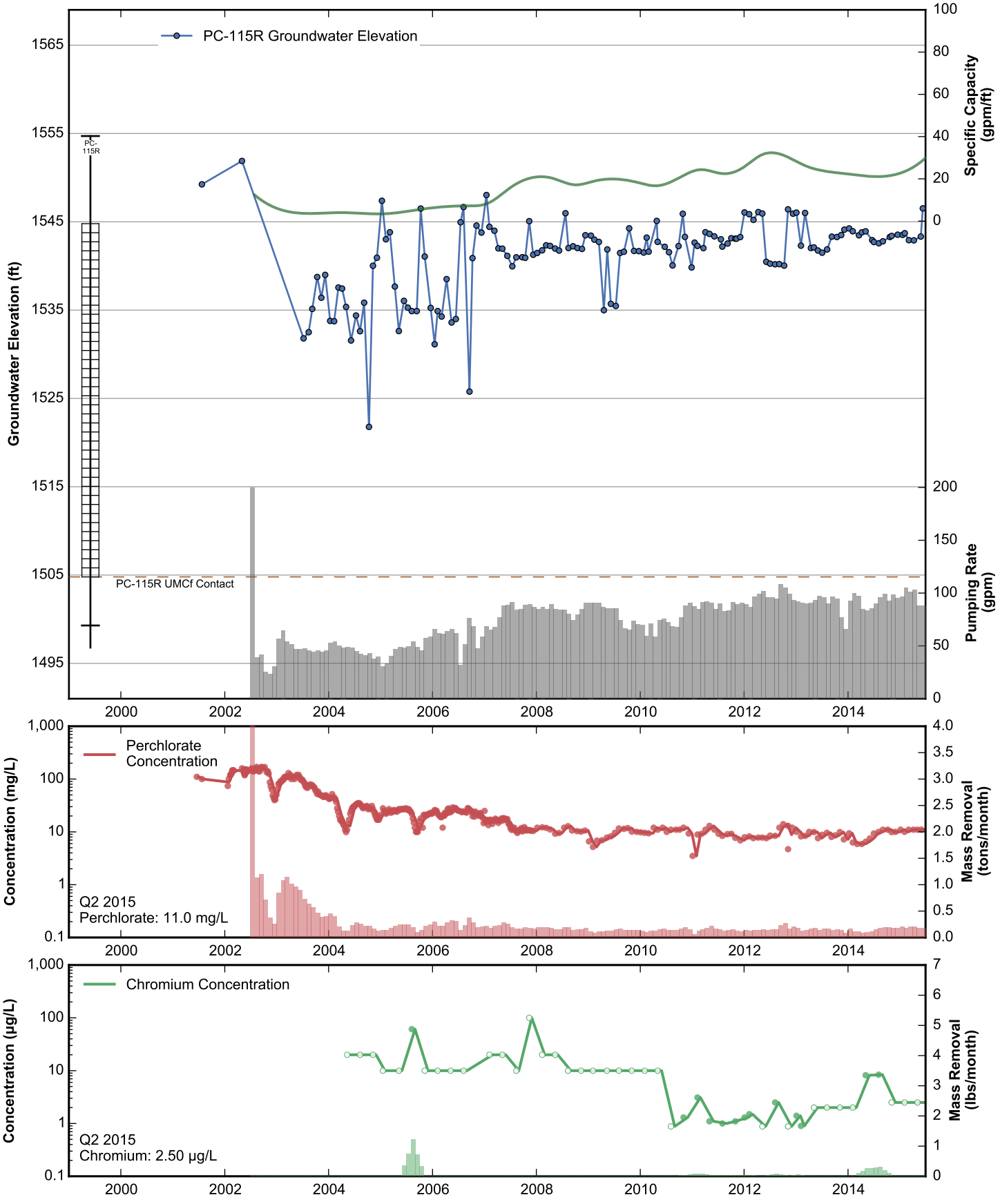


RAMBOLL ENVIRON

Data Sheet for Well PC-99R2/R3
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

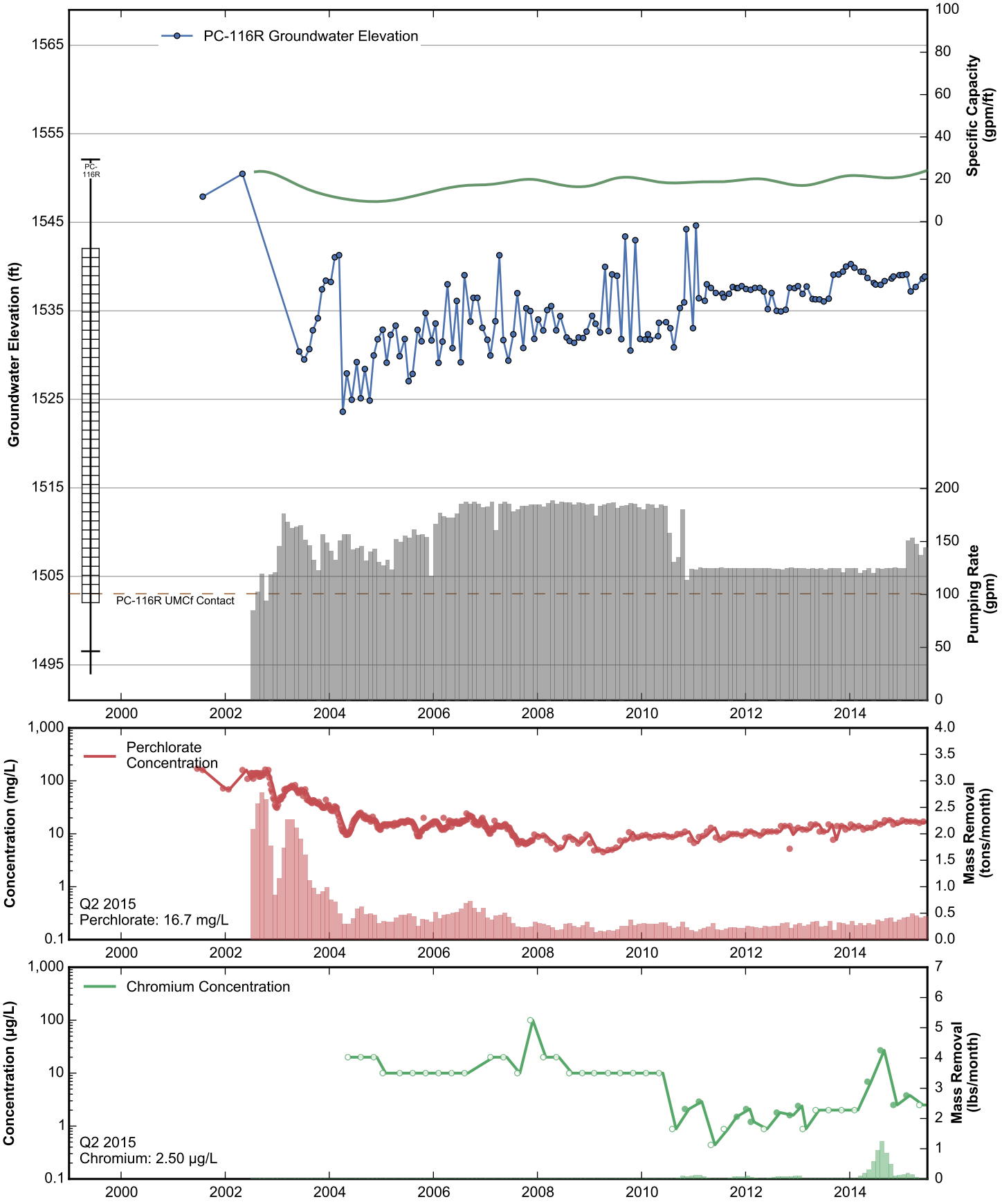


RAMBOLL ENVIRON

Data Sheet for Well PC-115R
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

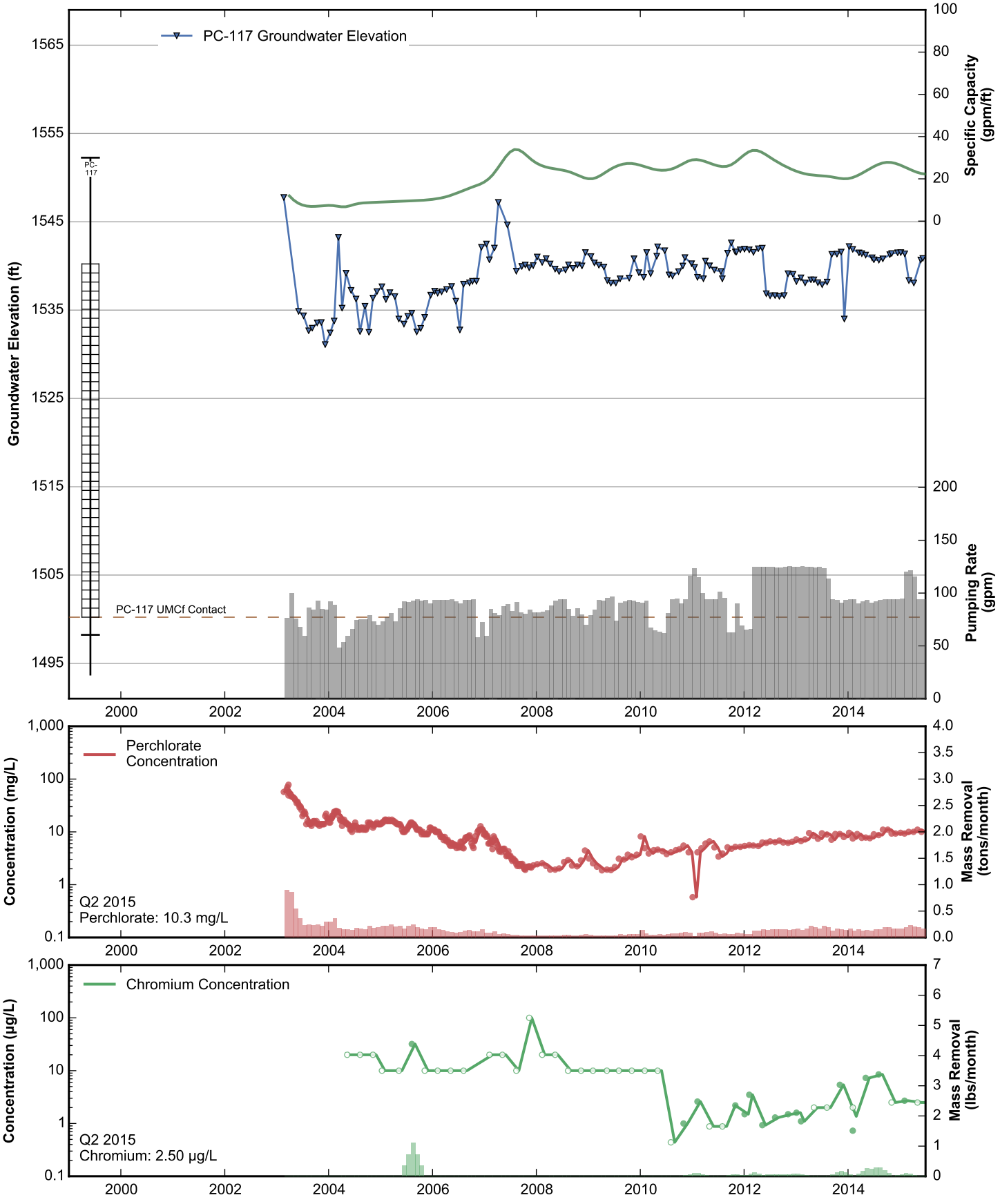


RAMBOLL ENVIRON

Data Sheet for Well PC-116R
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

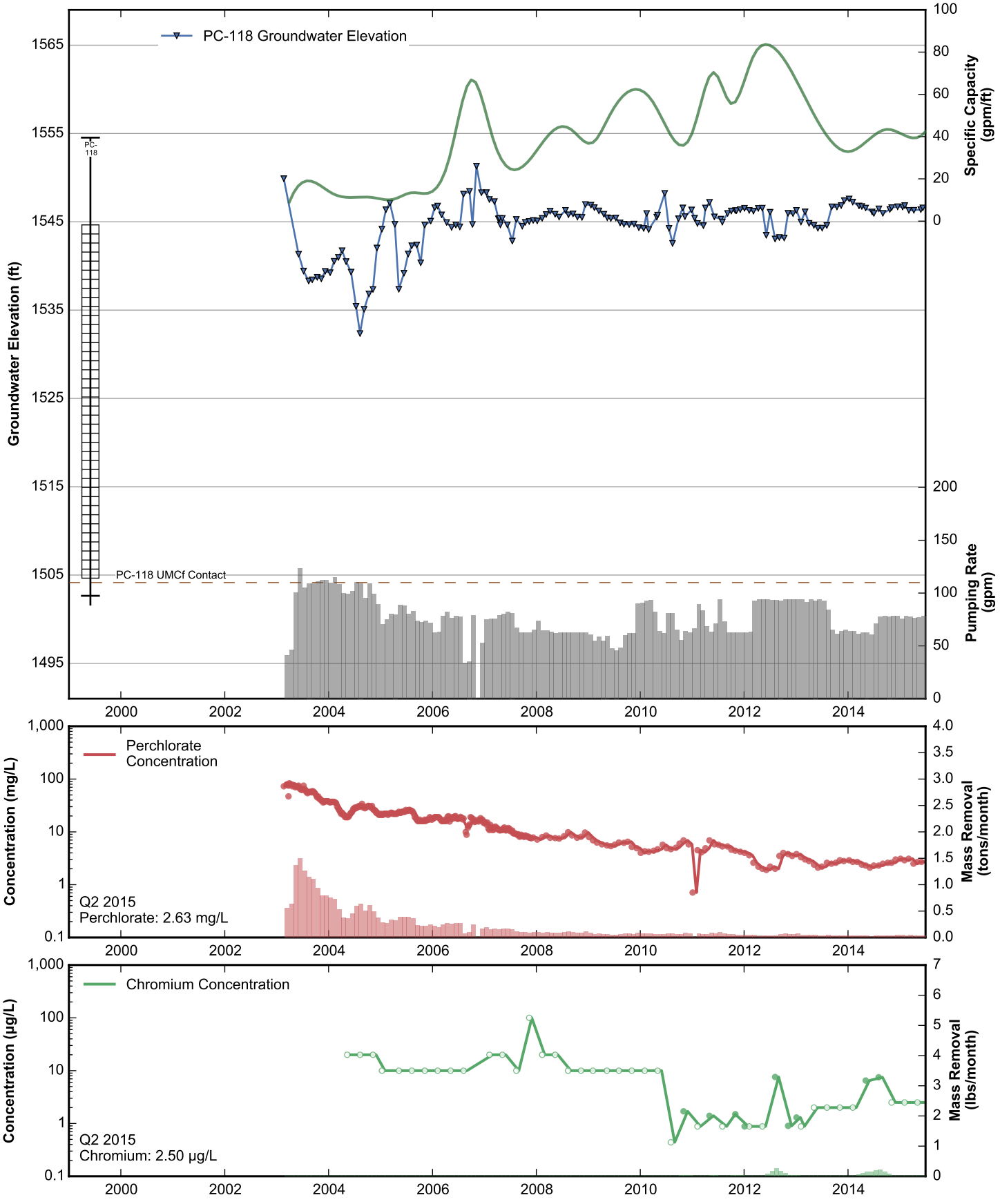


RAMBOLL ENVIRON

Data Sheet for Well PC-117
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

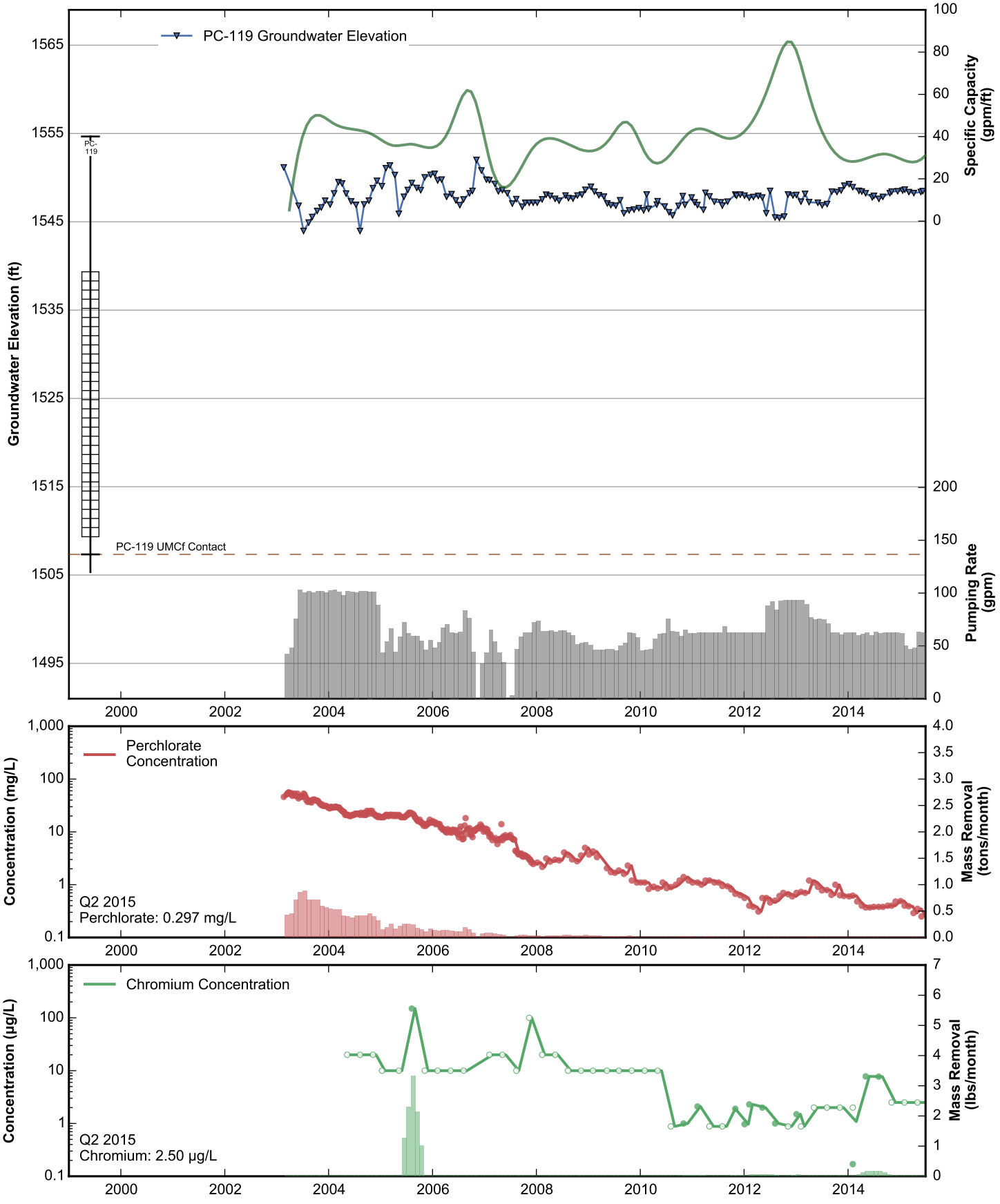


RAMBOLL ENVIRON

Data Sheet for Well PC-118
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

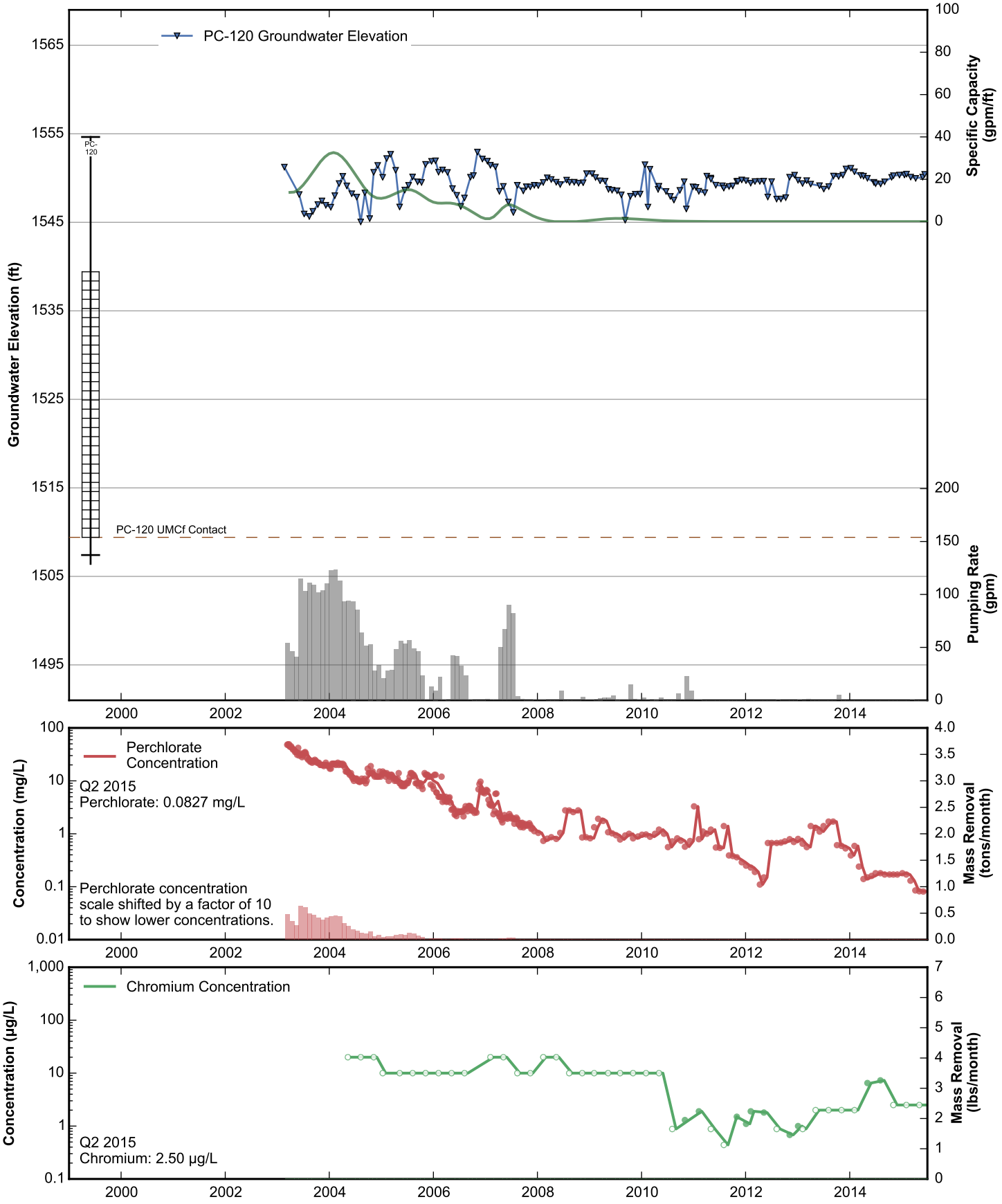


RAMBOLL ENVIRON

Data Sheet for Well PC-119
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

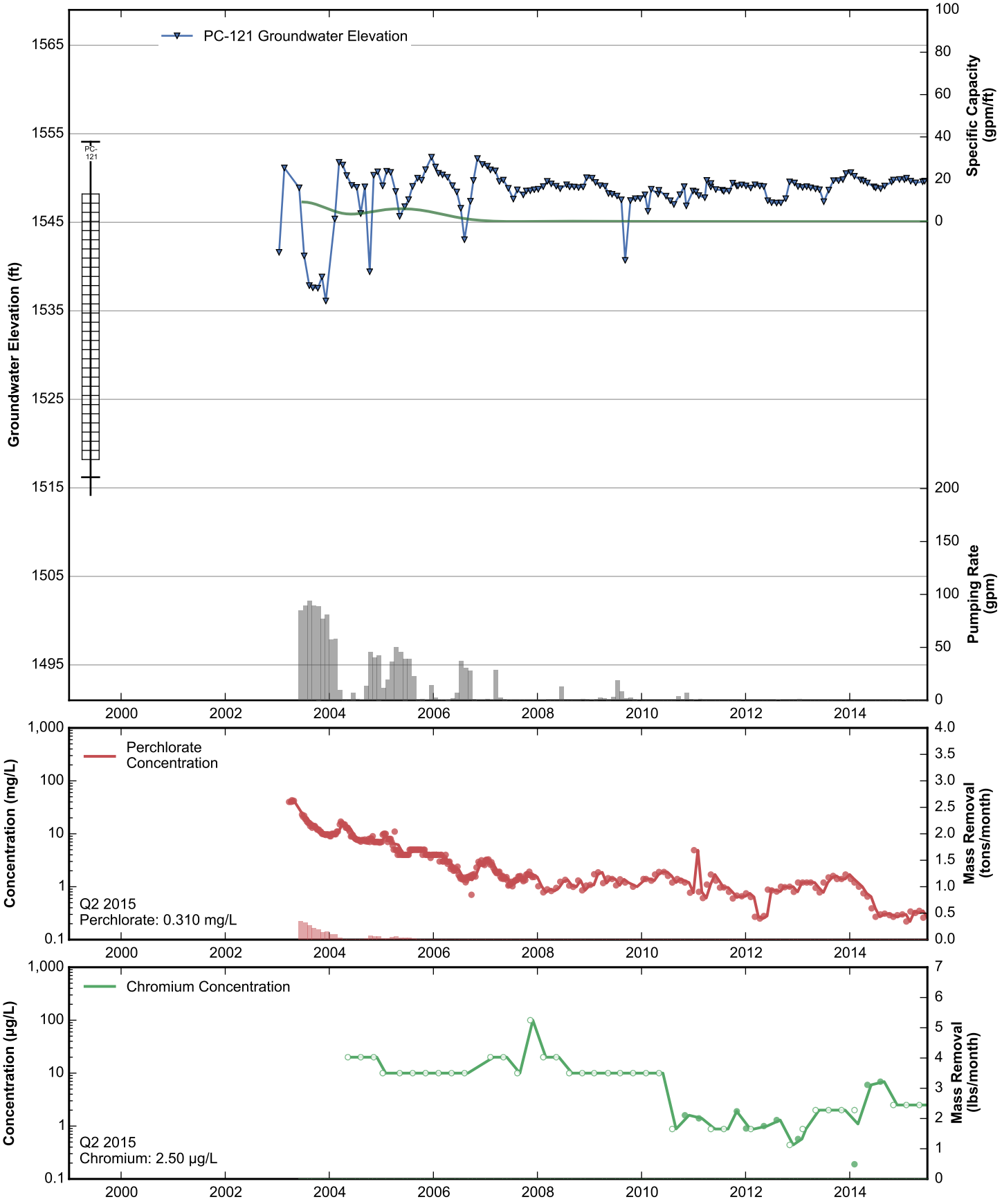


RAMBOLL ENVIRON

Data Sheet for Well PC-120
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py

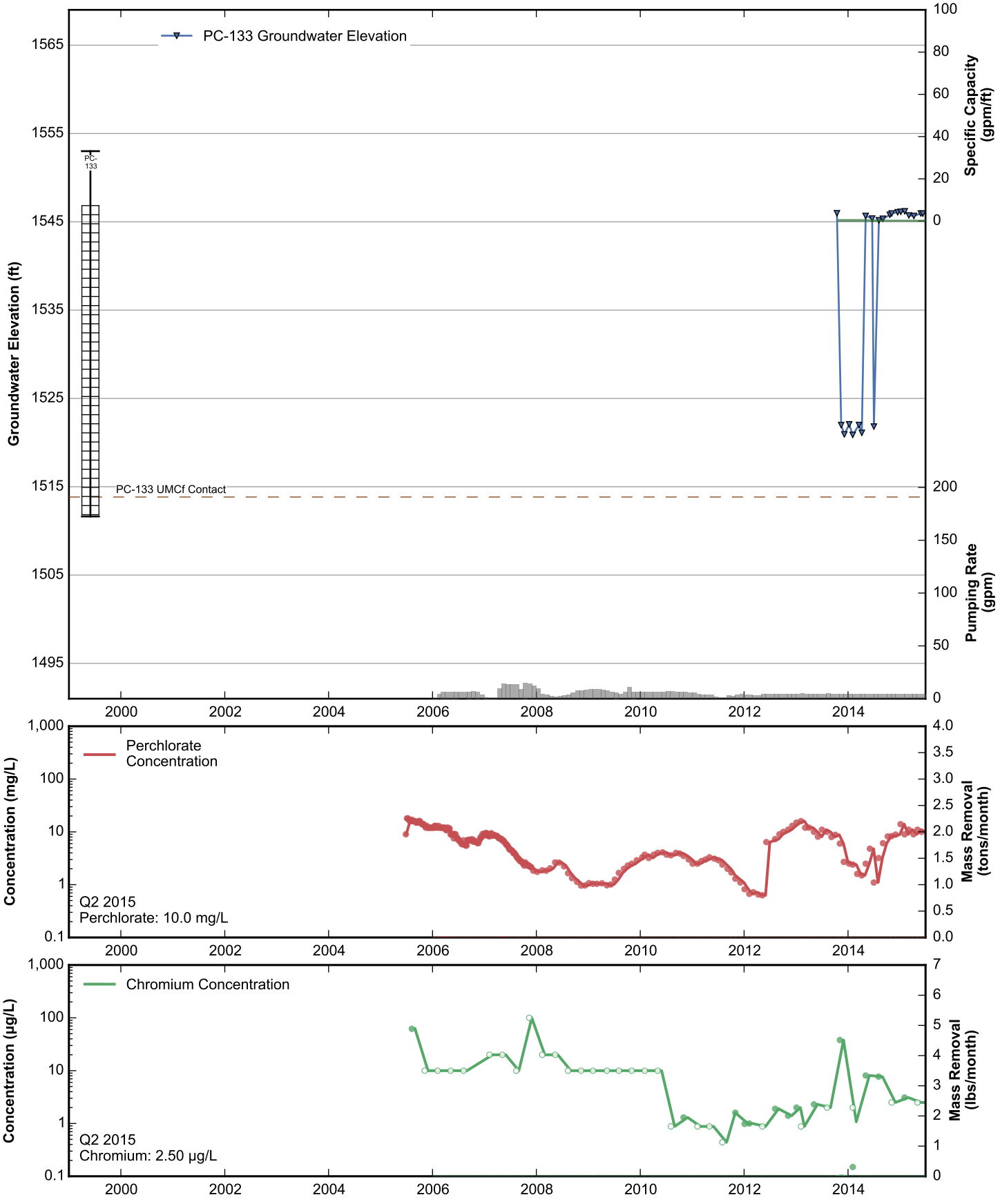


RAMBOLL ENVIRON

Data Sheet for Well PC-121
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

Path: H:\LePetomane\NERT\GWM\Annual Performance Reports\2015 Annual\Appendix B - Well Data Sheets\RunNERTDataSheets.py



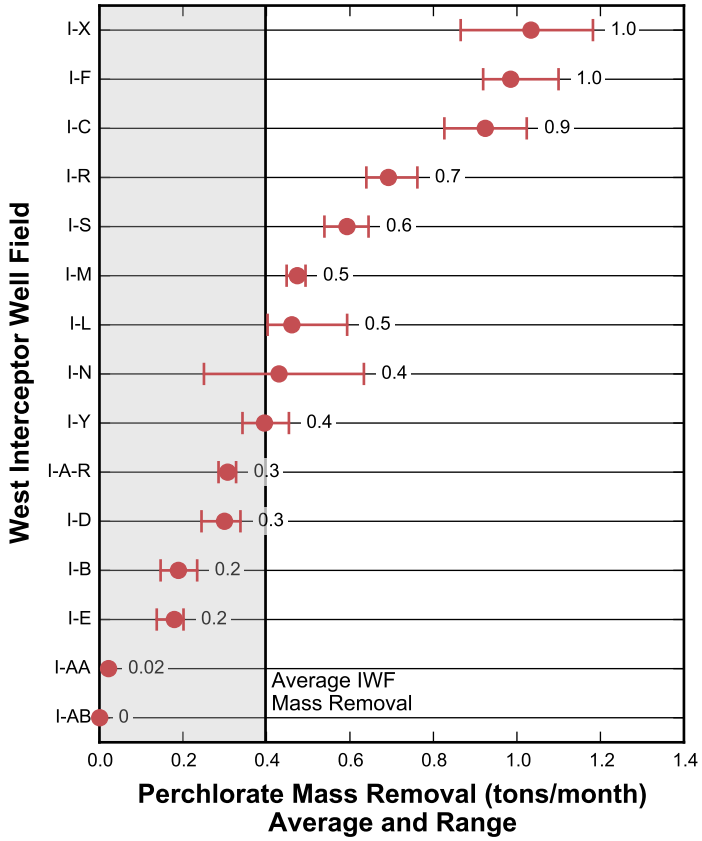
RAMBOLL ENVIRON

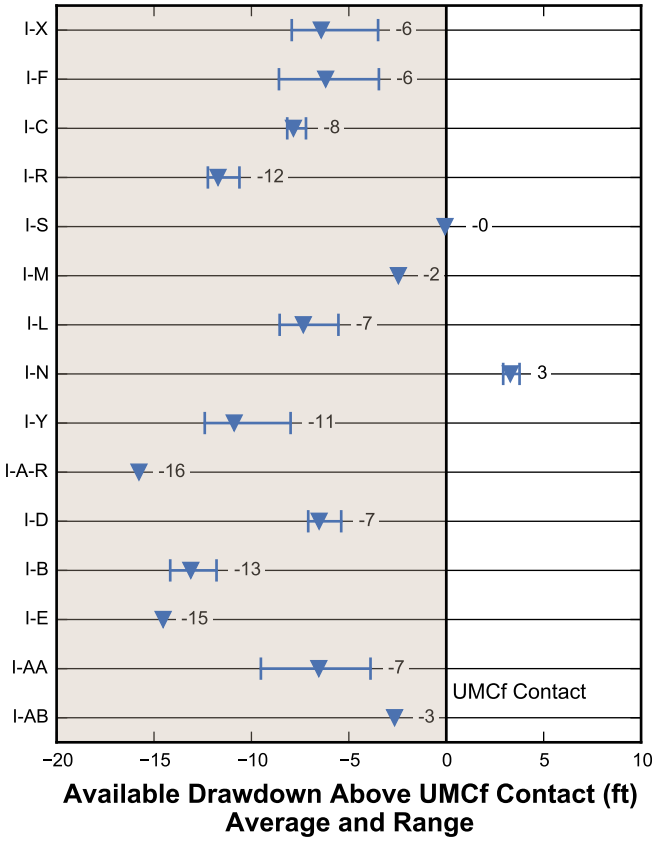
Data Sheet for Well PC-133
Nevada Environmental Response Trust Site
Henderson, Nevada

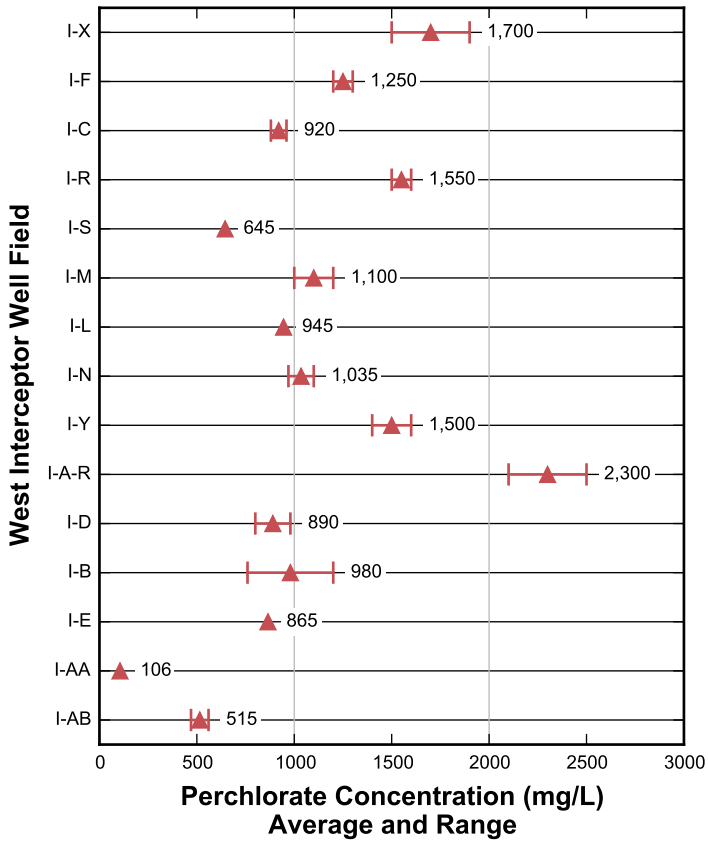
Drafter: JH	Date: 10/28/15	Contract Number: 21-37300A	Approved:	Revised:

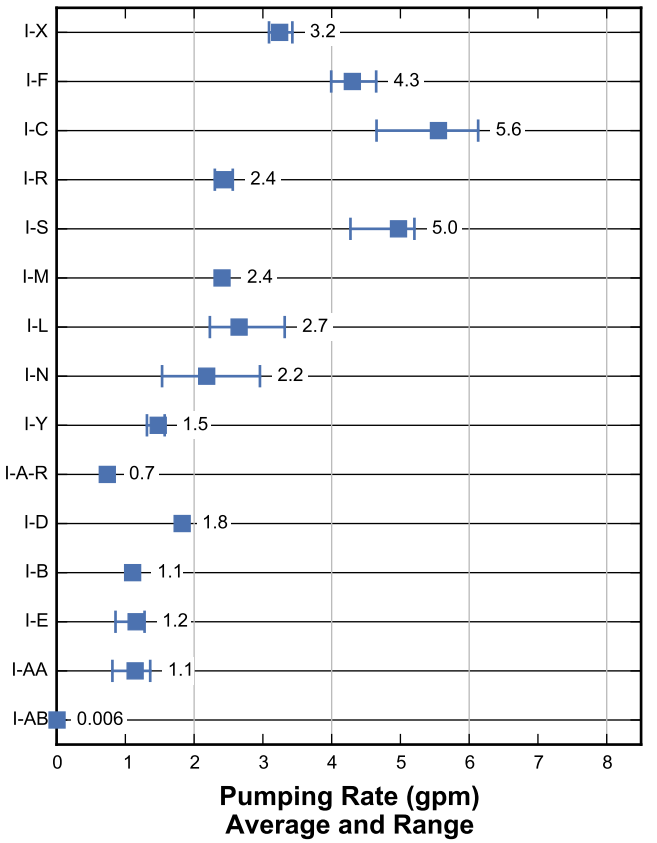
Well Field Summary Sheets

Path: H:\LePetomane\NERT\GWETS\Continuous Optimization Program\Well Data Sheets\welldatasheets.py







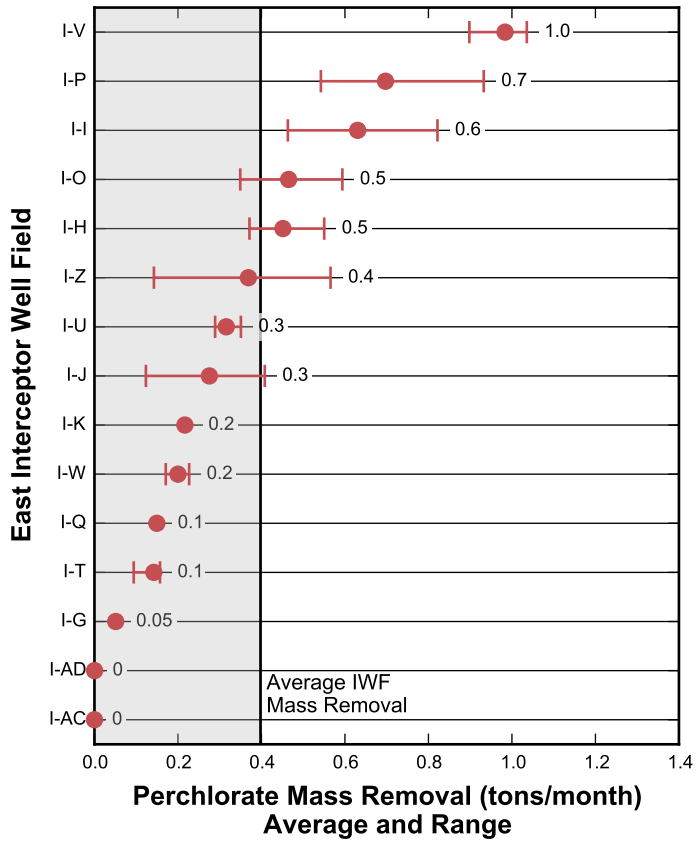


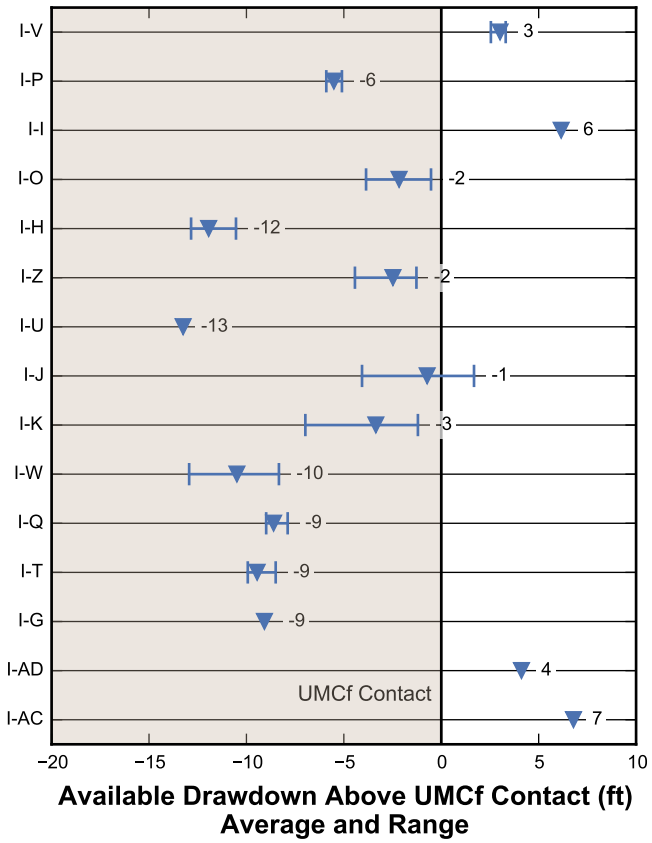
RAMBOLL ENVIRON

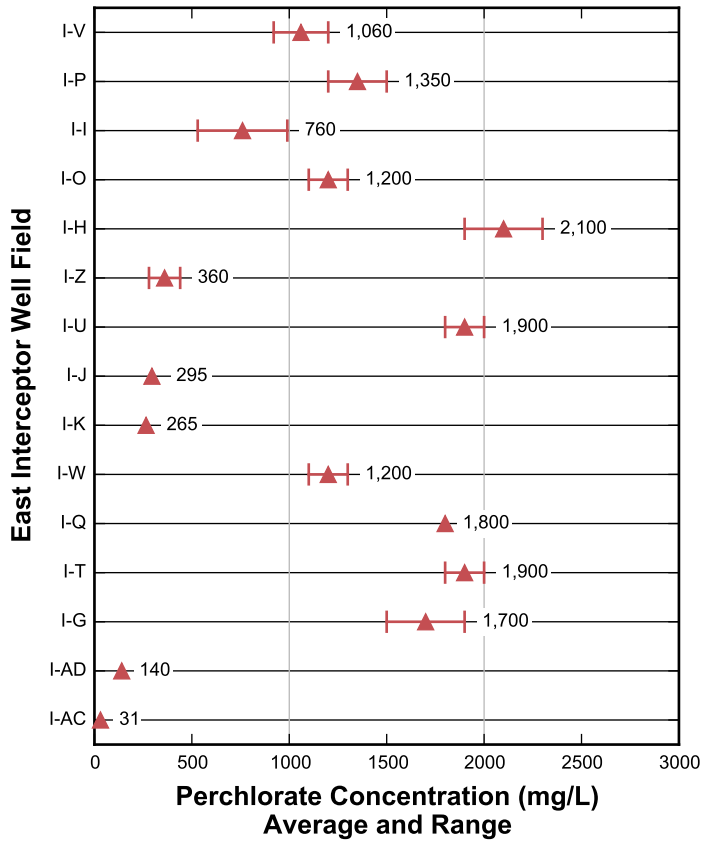
West Interceptor Well Field Performance (2014 Q4 - 2015 Q1)
Nevada Environmental Response Trust Site
Henderson, Nevada

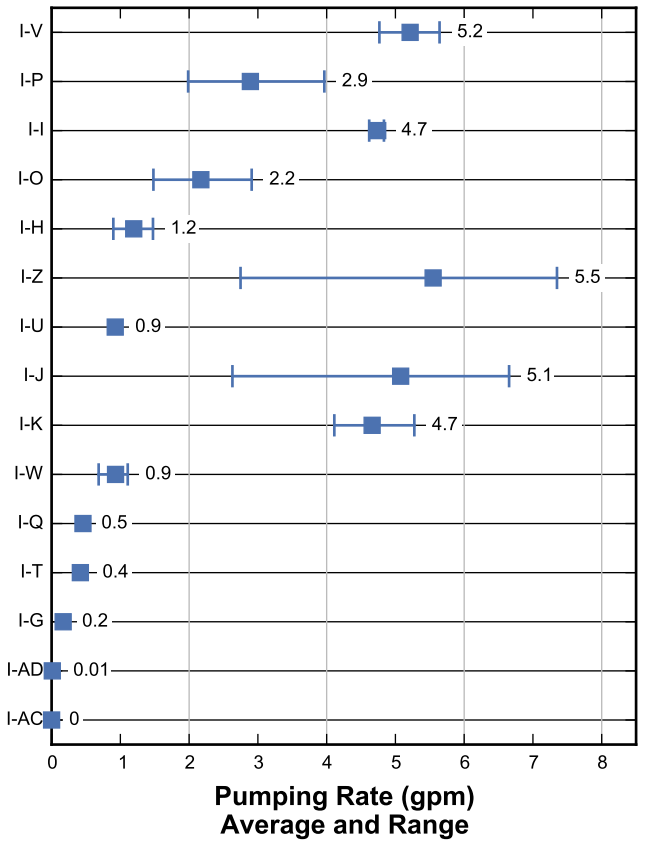
Drafter: JH	Date: 07/08/15	Contract Number: 21-37300B	Approved:	Revised:

Path: H:\LePetomane\NERT\GWETS\Continuous Optimization Program\Well Data Sheets\welldatasheets.py





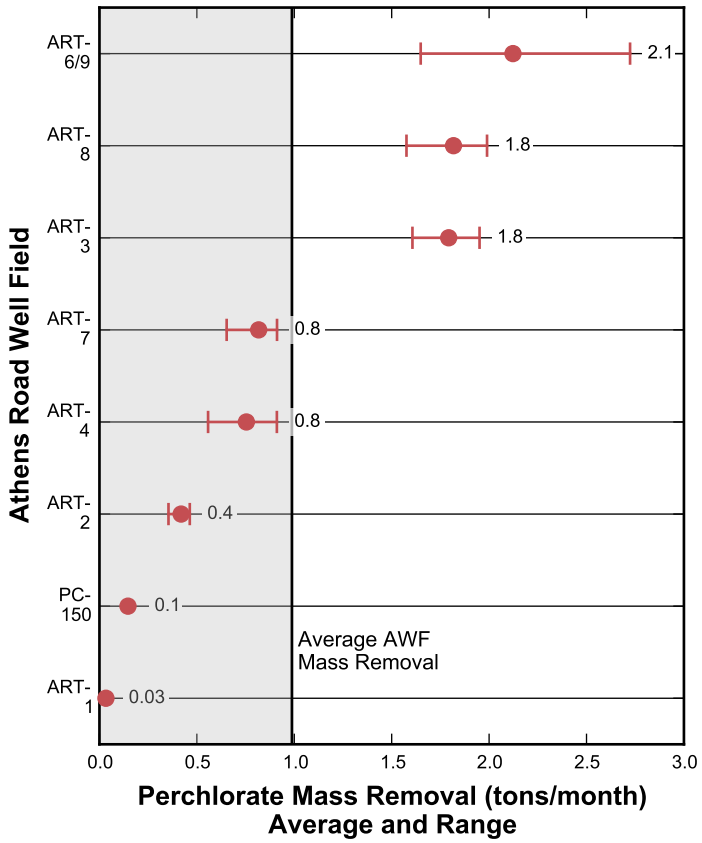


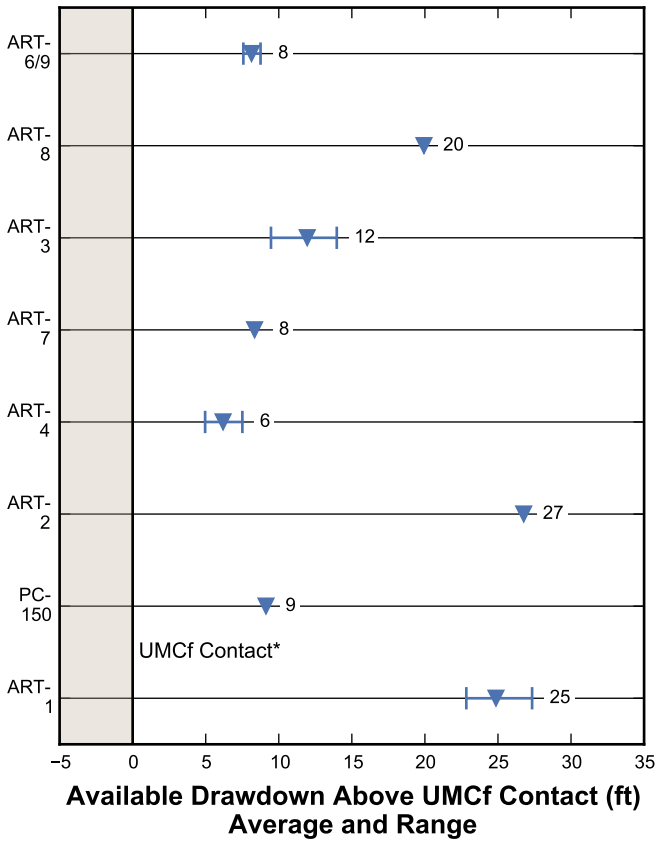


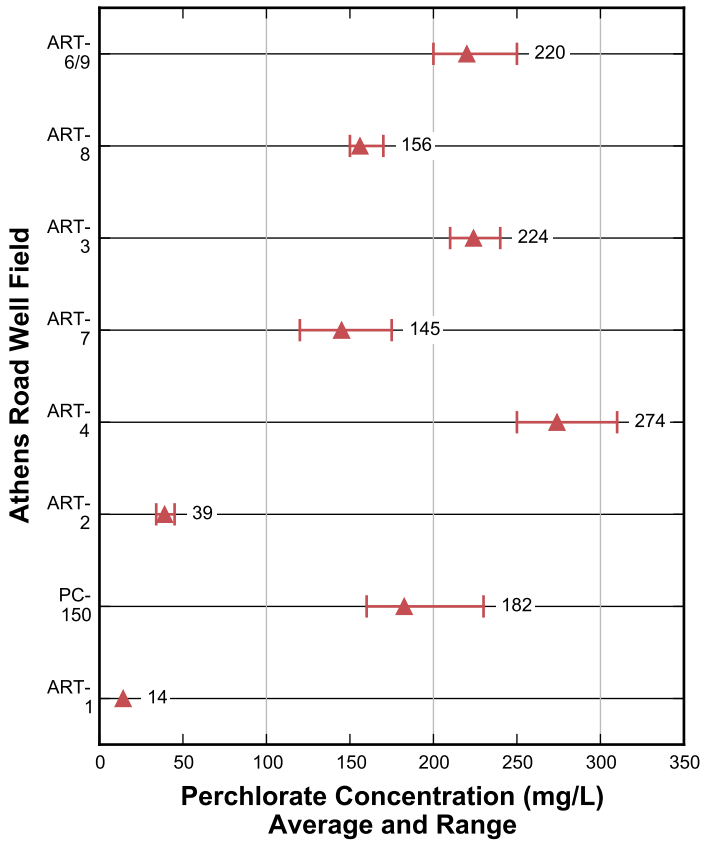
RAMBOLL ENVIRON

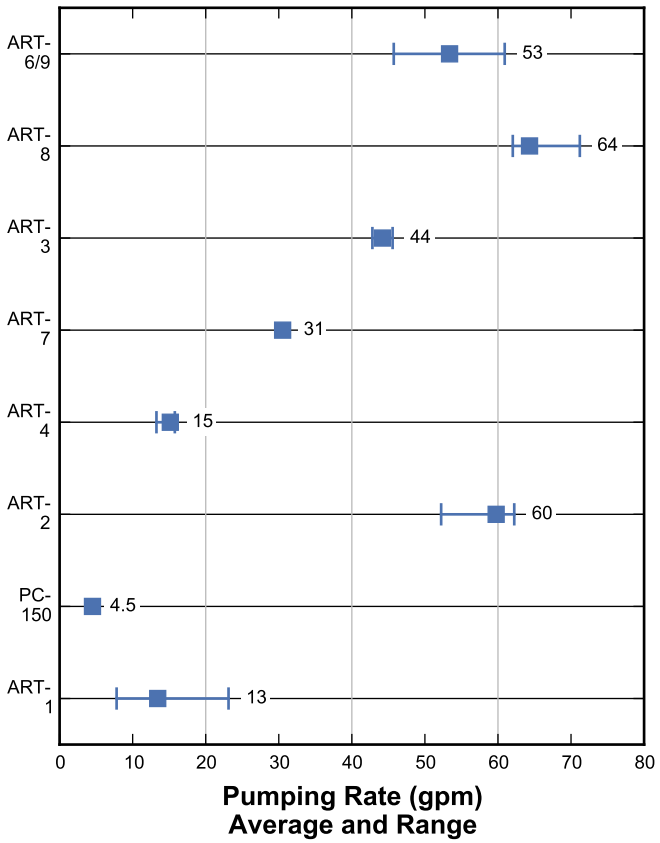
East Interceptor Well Field Performance (2014 Q4 - 2015 Q1)
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 07/08/15	Contract Number: 21-37300B	Approved:	Revised:









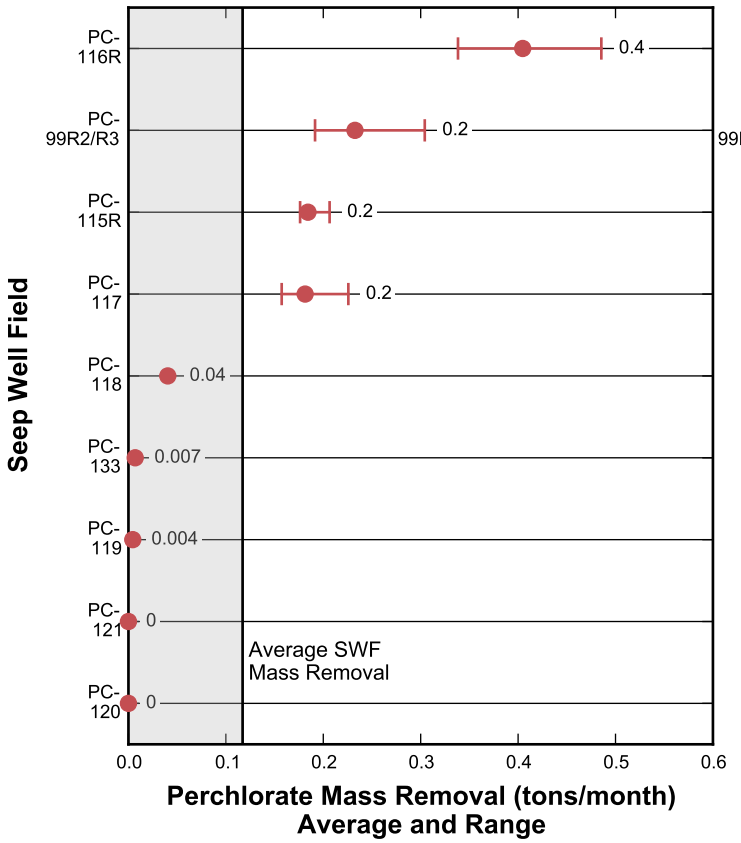
* For wells screened above the UMCf contact (ART-2, ART-7), the available drawdown is calculated relative to the screen bottom.

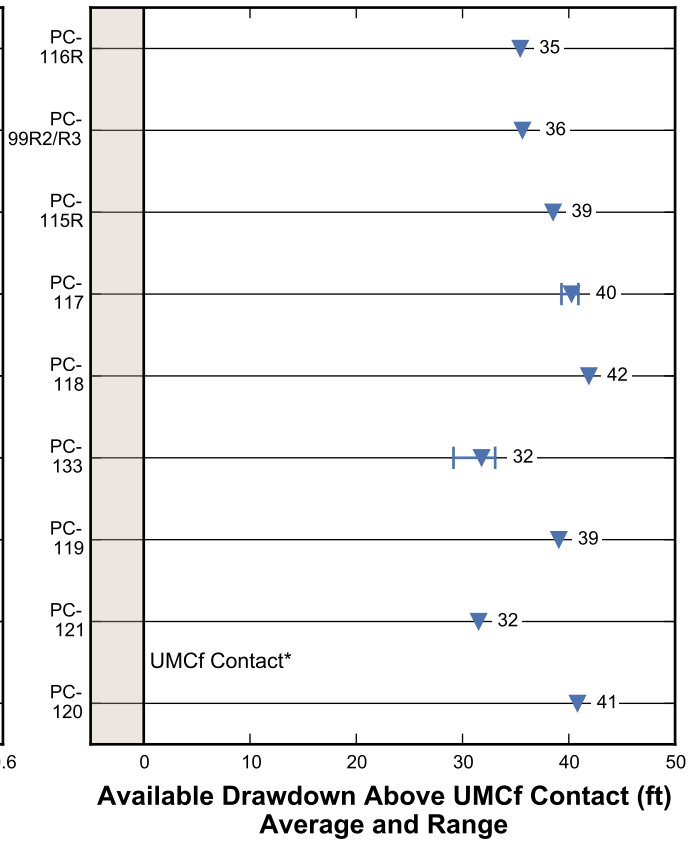
RAMBOLL ENVIRON

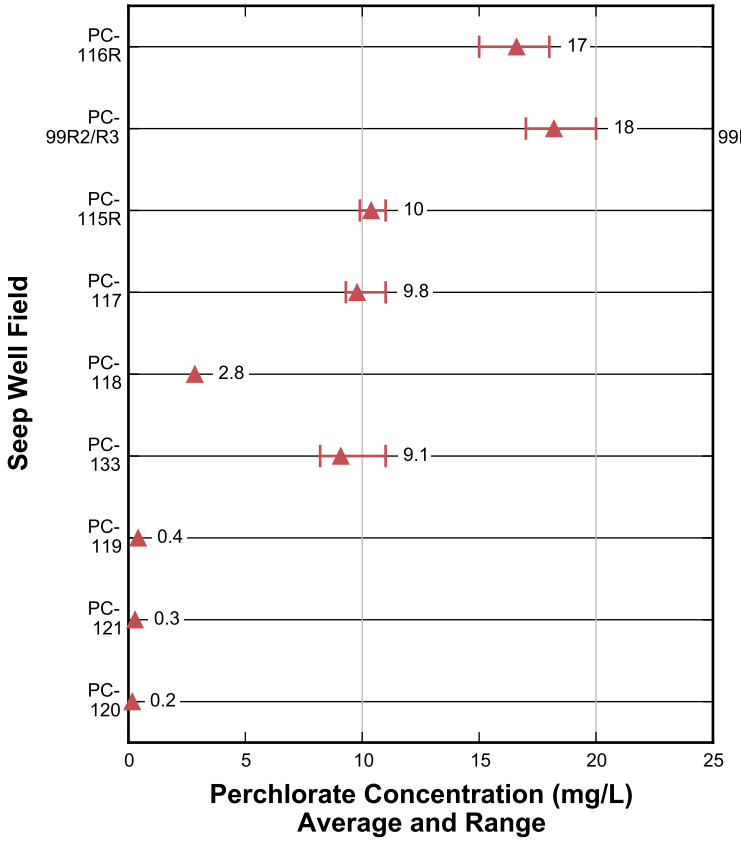
Athens Road Well Field Performance (2014 Q4 - 2015 Q1)
Nevada Environmental Response Trust Site
Henderson, Nevada

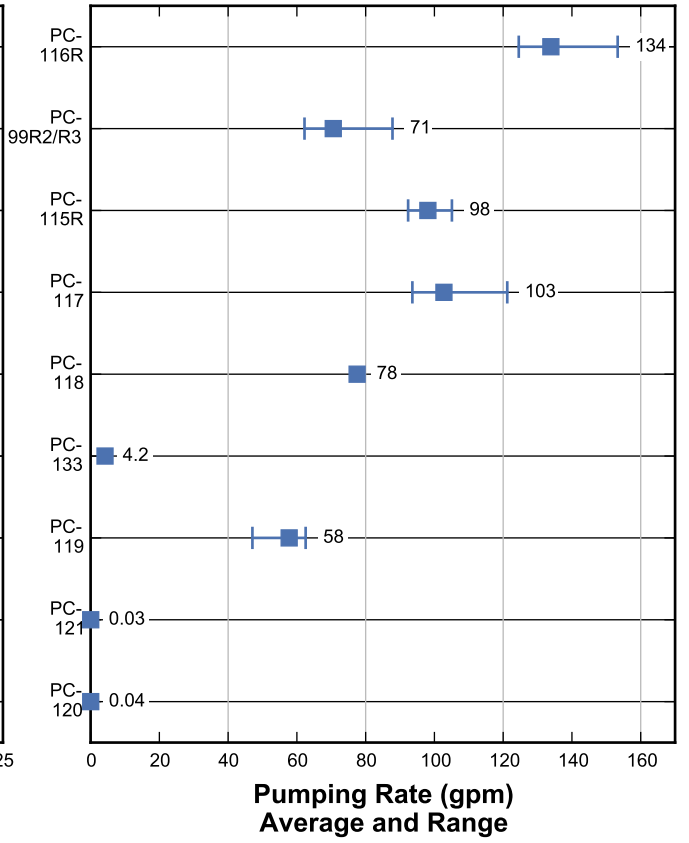
Drafter: JH	Date: 07/08/15	Contract Number: 21-37300B	Approved:	Revised:

Path: H:\LePetomane\NERT\GWETS\Continuous Optimization Program\Well Data Sheets\welldatasheets.py









* For wells screened above the UMCf contact (PC-119, PC-118, PC-99R2/R3), the available drawdown is calculated relative to the screen bottom.

RAMBOLL ENVIRON

Seep Well Field Performance (2014 Q4 - 2015 Q1)
Nevada Environmental Response Trust Site
Henderson, Nevada

Drafter: JH	Date: 07/08/15	Contract Number: 21-37300B	Approved:	Revised: