Chloride vs Conductivity | Stiff Diagram | Piper Diagram

HYDROGEOLOGIC DATABASE
Chemical Analysis

Click HERE to View Information for Well GJV

Sample Results Color Code Legend

Sample Exceeds: None / Secondary / Primary — MCL

Owner Name: Pattons Retreat Wellfield
Well Key: GJV **Site Type:** Wellfield **TRS:** 33N/02E-29J
PWS Name: Pattons Retreat Water Assn **DOH PwsID:** 66588 **DOH Source #:** 3

Source	Date	Alk	As	Bicarbonate	Ca	Cl	Conductivity	Fe	Hardness	K	Mg	Mn	Na	NO3	SO4	Turbidity	TDS
DOH	11/6/1995													0.5			
DOH	3/4/1997		0.01			< 20	334	< 0.1	121			0.03	12.8	< 0.5	12.9	0.2	
DOH	11/13/1997		0.013			< 20	342	< 0.1	131			0.029	12.3	< 0.5	13.2	0.43	
DOH	10/15/1998					20.4	333							0.6			
DOH	10/15/1999					< 20	329							< 0.5			
DOH	8/31/2000													< 0.5			
DOH	8/9/2001					20	362							2.4			
DOH	7/3/2002		0.014			< 20	360	< 0.1	119			0.009	11	< 0.5	15	0.3	
DOH	8/14/2003		0.013											0.45			
DOH	11/5/2004													0.32			
DOH	11/10/2005													0.12			
DOH	11/16/2006													0.17			
DOH	6/12/2007		0.012			< 20	361	< 0.1	153			0.013	15	< 0.2	15	0.44	
DOH	9/27/2007		0.015														
DOH	11/13/2007		0.016											0.39			
DOH	2/12/2008		0.014														
DOH	4/24/2008		0.013														
DOH	8/28/2008		0.013														
DOH	11/19/2008		0.011											0.68			
DOH	2/17/2009		0.014														
DOH	5/21/2009		0.013														
DOH	8/27/2009		0.013														
DOH	11/17/2009		0.013														
DOH	12/10/2009													0.52			
DOH	3/9/2010		0.014														
DOH	7/13/2010		0.007														
DOH	8/17/2010		0.0097														
DOH	9/16/2010		0.008														
DOH	10/14/2010		0.008														
DOH	11/5/2010													0.62			

Source	Date	Alk	As	Bicarbonate	Ca	Cl	Conductivity	Fe	Hardness	K	Mg	Mn	Na	NO3	SO4	Turbidity	TDS
DOH	11/5/2010		0.008														
DOH	12/9/2010		0.007														
DOH	1/18/2011		0.008														
DOH	2/22/2011		0.008														
DOH	3/10/2011		0.009														
DOH	4/14/2011		0.005														
DOH	5/12/2011		0.005														
DOH	6/7/2011		0.008														
DOH	7/14/2011		0.006														
DOH	8/11/2011		0.007														
DOH	9/15/2011		0.008														
DOH	10/4/2011		0.009														
DOH	11/10/2011		0.01														
DOH	11/10/2011													0.59			
DOH	12/8/2011		0.0087														
DOH	1/19/2012		0.008														
DOH	2/16/2012		0.009														
DOH	3/20/2012		0.006														
DOH	4/24/2012		0.006														
DOH	5/15/2012		0.006														
DOH	6/12/2012		0.008														
DOH	7/20/2012		0.008														
DOH	9/11/2012		0.009														
DOH	10/11/2012													0.74			
DOH	10/11/2012		0.01														
DOH	11/26/2012		0.006														
DOH	12/13/2012		0.007														
DOH	1/21/2013		0.01														
DOH	2/21/2013		0.0098														
DOH	3/21/2013		0.009														
DOH	4/18/2013		0.007														
DOH	5/16/2013		0.007														
DOH	6/20/2013		0.007														
DOH	7/25/2013		< 0.003														
DOH	1/28/2014		0.008														
DOH	2/20/2014		0.0076														

Source	Date	Alk	As	Bicarbonate	Ca	Cl	Conductivity	Fe	Hardness	K	Mg	Mn	Na	NO3	SO4	Turbidity	TDS
DOH	3/20/2014		0.008														
DOH	4/17/2014		0.009														
DOH	5/8/2014		0.009														
DOH	6/19/2014		0.008														
DOH	7/22/2014		0.009														
DOH	8/7/2014		0.007														
DOH	9/9/2014		0.008														
DOH	10/23/2014		0.007														
DOH	10/23/2014													0.12			
DOH	11/20/2014		0.0078														
DOH	12/11/2014		0.008														
DOH	1/22/2015		< 0.003														
DOH	2/12/2015		0.008														
DOH	3/19/2015		0.009														
DOH	4/16/2015		0.009														
DOH	5/21/2015		0.007														
DOH	6/18/2015		0.009														
DOH	7/21/2015		0.009														
DOH	8/20/2015		0.004														
DOH	9/28/2015		0.003														
DOH	10/13/2015		0.003														
DOH	11/17/2015		0.002														
DOH	12/15/2015													0.13			
DOH	12/15/2015		< 0.003														
DOH	1/21/2016		0.002														
DOH	2/18/2016		0.002														
DOH	3/24/2016		0.002														
DOH	4/26/2016		0.003														
DOH	5/18/2016		0.004														
DOH	6/16/2016		0.0051														
DOH	7/21/2016		0.006														
DOH	8/11/2016		0.007			19.4	407	< 0.1	172.6			0.003	14.8	< 0.2	18.8	0.13	
DOH	8/11/2016		0.007														
DOH	9/27/2016		0.008														
DOH	10/20/2016		0.009														
DOH	10/27/2016													< 0.2			

Source	Date	Alk	Bicarbonate	As		Ca	Cl	Conductivity		Fe	Hardness		K	Mg	Mn	Na	NO3	SO4	Turbidity	TDS
DOH	11/15/2016			0.0095																
DOH	12/13/2016			0.009																
DOH	2/23/2017			0.005																
DOH	3/23/2017			0.004																
DOH	4/18/2017			0.004																
DOH	5/23/2017			0.007																
DOH	6/15/2017			0.009																
DOH	7/27/2017			0.008																
DOH	8/24/2017			0.008																
DOH	9/28/2017			0.01																
DOH	10/26/2017			0.01																
DOH	11/21/2017			0.008																
DOH	12/14/2017			0.01																
DOH	12/15/2017																0.15			
DOH	12/18/2017																0.15			
DOH	1/18/2018			0.01																
DOH	2/20/2018			0.01																
DOH	3/29/2018			0.011																
DOH	4/24/2018			0.011																
DOH	5/22/2018			0.011																
DOH	6/19/2018			0.01																
DOH	6/28/2018			0.0108																
DOH	7/17/2018			0.01																
DOH	8/14/2018			0.01													0.26			
DOH	9/20/2018			0.011																
DOH	10/18/2018			0.009																
DOH	11/15/2018			0.008																
DOH	12/21/2018			0.008																
DOH	1/15/2019			0.007																
DOH	2/19/2019			0.009																
DOH	3/12/2019			0.002																
DOH	4/16/2019			0.002																
DOH	6/18/2019			0.008													0.28			
DOH	7/16/2019			0.01																
DOH	8/22/2019			0.011																
DOH	9/24/2019			0.0084																

Source	Date	Bicarbonate Alk	As	Ca	Cl	Conductivity	Fe	Hardness	K	Mg	Mn	Na	NO3	SO4	Turbidity	TDS
DOH	10/23/2019		0.0062													
DOH	11/19/2019		0.0044													
DOH	12/12/2019		0.0036													
DOH	1/17/2020		0.003													
DOH	2/20/2020		0.0027													
DOH	3/12/2020		0.0027													
DOH	4/14/2020		0.0044													
DOH	5/12/2020		0.0075													
DOH	7/14/2020		0.0077													
DOH	8/20/2020												0.13			
DOH	8/20/2020		0.0091													
DOH	9/22/2020		< 0.001													
DOH	10/13/2020		< 0.001													
DOH	11/12/2020		< 0.001													
DOH	12/8/2020		< 0.001													
DOH	1/21/2021		0.0033													
DOH	2/11/2021		0.0072													

Select Summary Statistics

Avg As:	0.0077	Avg Cl:	13.7	Avg Hardness:	139.32
Median As:	0.008	Median Cl:	10.0	Median Hardness:	131
Max As:	0.016	Max Cl:	20.4	Max Hardness:	172.6

Avg NO3:	0.39
Median NO3:	0.25
Max NO3:	2.4

Bacteria Samples (distribution): **491 sample(s)**

Disclaimer: Data presented has been collected from a variety of sources. Island County makes no guarantee as to the validity or accuracy of this data. Please report any errors to the Island County Hydrogeologist.

Generated by the Island County Hydrogeologic Database

155 records printed on 3/9/2021

Note: Items with blue frames and blue text are clickable hyperlinks to additional information / resources.

Parameter labels with a red fill color are exhibiting an increasing trend, and those with a green fill color are exhibiting a decreasing trend.