

Pumping Head

Orifice Meter CM3215 Fall 2014

Station	Names	Head (ft) versus Q (gpm) Q (gpm) versus I (mA)	Time/ Section
1	Cameron Roman	$H_p = -2.61 Q^2 - 0.2406 Q + 80.7$	9A
2	Shaun Wolf	$H_p = -1.80 Q^2 - 3.08 Q + 77.7$	9A
3	Ashley Lobe	$H_p = -33 Q^2 + 2.4 Q + 72$	9A
4	Tracy Mulka	$H_p = -0.0028 x^2 + 0.1144 x + 0.5647$	9A
5	Kendal Johnsen Brandon McLean	$H_p = -2.4435 Q(\text{gpm})^2 + 1.3487 Q(\text{gpm}) + 73.15$	9A
6	Stephan Schmeist Emma Vance	$H_p = -1.969 Q^2 - 4.011 Q + 101.6$	9A
7	Dustin Oakwood Ericka Saari	$H_p = -1.8 Q^2 - 2.7 Q + 83$	9A
8	Cameron Roman Jeff Diehl	$Q = 126 \sqrt{H_p} + 0.0950$	9A
9			9A
10			9A

Pumping Head CM3215 Fall 2014

Station	Names	Head (ft) versus Q (gpm)	Time/ Section
1			9B
2	Kevin Bugay Alex Brill	$H_p(ft) = -2.06Q^2 - 5.12Q + 104$	9B
3	Michael Groess	$H_p(ft) = -2.5055Q^2 + 0.5558Q + 76.742$	9B
4	Conner Monette Ben Fournier	$H_p(ft) = -2.4751Q^2 - 0.2614Q + 77.083$	9B
5	Alex Reichanadter Danielle Kehrig	$H_p(ft) = -2.52Q^2 + 6.034Q + 76$	9B
6	Timothy Tomczak	$H_p(ft) = -2.431Q^2 - 0.0359Q + 74.309$	9B
7	Cary Becker Travis P. Hosmer	$H_p(ft) = -2.4186Q^2 - 0.3825Q + 77.604$	9B
8	Sean Forsberg Rennie Winters	$H_p = -2.0499Q^2$ $H_p(ft) = -2.5266Q^2 - 1.0023Q + 73.569$	9B
9	Anna Marchesano Kameso Dunn	$H_p = -2.6839Q^2 - 2.2082Q + 78.017$	9B
10	Austin Myerhouts Paul Langford	$H_p = -2.8Q^2 + 77$	9B

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Station	Names	Head (ft) versus Q (gpm)	Time/ Section
1			1A
2	Nic Stell	$H(ft) = -1.65(Q(gpm))^2 - 4.15(Q(gpm)) + 81.8$	1A
3	Brandon Schmidt	$H(ft) = -2.2(Q(gpm))^2 - 0.74(Q(gpm)) + 78$	1A
4	Danielle Jammy Lucia Li	$H_p(ft) = -2.18(Q[gpm])^2 - 0.771(Q[gpm]) + 78.2$	1A
5	Leanne Bregni	$H_p(ft) = -2.5586Q^2 + 1.068Q + 75.48$	1A
6	Michaela Cromie Chase Chauvin	$H_p(ft) = -1.6189Q^2 - 2.8626Q + 80.75$	1A
7	James Schmidt Steven Carpenter	$H_p(ft) = -2.3617Q^2 - 0.1568Q + 76.379$	1A
8	Dillon Fredenburg Donnie Palmer	$H_p(ft) = -2.441Q^2(gpm) - 0.8353Q + 78.723$	1A
9	Justin Stefko Chris Churchill	$H_p(ft) = -2.2414Q^2(gpm) - 2.7851Q + 77.083$	1A
10	Brody Burns Katie Rohlf	$H_p(ft) = -2.0158Q(gpm)^2 - 2.6381Q(gpm) + 79.723$	1A

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Station	Names	Head (ft) versus Q (gpm)	Time/ Section
1			1B
2	Morgan Fisher	$(H, ft) = -2.3725(Q, gpm)^2 - 1.6588(Q, gpm) + 78.503$	1B
3	Adrien Steinhurst Alex Wright	$(H, ft) = -2.0801(Q)^2 - 3.2146(Q) + 78.367$	1B
4	Gianna G.M Taylor Hoover	$-1.08(Q)^2 - 5.08(Q) + 76.158$	1B
5	Collin Shooltz Jason Saliga	$H_p = -2.4318 \cdot Q^2 + 1.703 \cdot Q + 75.877$	1B
6	Elizabeth Goff	$(H, ft) = 2.47(Q, gpm)^2 - 0.975(Q, gpm) + 76.026$	1B
7	Ada Dominic Eatnerton	$-2.334Q^2 - 1.812Q + 78.662$	1B
8	Ellen Hatcher	$H = -2.5 \cdot Q^2 - 2.7 \cdot Q + 80$	1B
9	Josh Mazure Joseph Cybulski	$H = -2.32 Q^2 + 1.98 Q + 78.4$	1B
10	Greg Thelen Sarah Rasmussen	$-2.6159 Q^2 - 2.0668 Q + 78.898$	1B

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Station	Names	Head (ft) versus Q (gpm)	Time/ Section
1			3A
2	Marco Ramon Jeff Galla	$Head = -2.277Q^2 - 1.911Q + 76.625$	3A
3			3A
4	Valene Clevenger Mienali Fuskender	$Head (ft) = -2.1(Q, gpm)^2 - 1.0 Q (gpm) + 78$	3A
5			3A
6	Andrew Zimmerman Lody Yazzie	$H_p (feet) = -1.0(Q, gpm)^2 - 8.2(Q, gpm) + 89$	3A
7			3A
8	Alex Schul Katelynne Bauer	$H_p (feet) = -2.78 Q^2 - 0.107 Q + 77.5$	3A
9			3A
10			3A