

NDACT DRAFT Model Calibration Report

May, 2024

Table 5.4: Calibration statistics for the groundwater model.

Unit	Number of Wells (n)	ME (m)	MAE (m)	RMSE (m)	Range in Observations (m)	RMSE as Percent of Range (%)
Sand/gravel Outwash	60	2.75	3.72	5.28	119	4.4%
Weathered Bedrock/Guelph	1,071	-0.80	3.46	4.87	165	3.0%
Gasport	218	-2.27	5.19	6.59	148	4.5%
Composite of Above Units	1,349	-0.97	3.72	5.19	165	3.1%

Appendix D: Model Development and Calibration

August, 2024

Table 4.4: Calibration statistics for the groundwater model.

Unit	Number of Wells (n)	ME (m)	MAE (m)	RMSE (m)	Range in Observations (m)	RMSE as Percent of Range (%)
Sand/gravel Outwash	60	2.75	3.72	5.28	119	4.4%
Weathered Bedrock/Guelph	1,071	-0.80	3.46	4.87	165	3.0%
Gasport	218	-2.27	5.19	6.59	148	4.5%
Composite of Above Units	1,349	-0.97	3.72	5.19	165	3.1%

Appendix D: Model Development and Calibration

October, 2024

Table 4.4: Calibration statistics for the groundwater model.

Unit	Number of Wells (n)	ME (m)	MAE (m)	RMSE (m)	Range in Observations (m)	RMSE as Percent of Range (%)
Sand/gravel Outwash	60	2.75	3.72	5.28	119	4.4%
Weathered Bedrock/Guelph	1,071	-0.80	3.46	4.87	165	3.0%
Gasport	218	-2.27	5.19	6.59	148	4.5%
Composite of Above Units	1,349	-0.97	3.72	5.19	165	3.1%

Source: Excerpts from Appendix D: Model Development and Calibration, May, August and October 2024

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