



Base mapping produced under license with the Ontario Ministry of Natural Resources © 2015.  
 Source Protection Region Boundary provided by Ontario Ministry of Environment, 2006.  
 Wellhead Capture Zone and Vulnerability scoring provided by Waterloo Numerical Modelling, Report for Well Head Protection Area Delineation Project, 2009.  
 Livestock density derived from 2006 Agricultural census (external WHPA) and from field inventory (internal WHPA), ABMV 2010  
 Round 2 Groundwater Technical Study Groundwater Vulnerability Assessment for the Municipalities of West Grey and Northern Bruce Peninsula Saugeen, Grey-Sauble, Northern Bruce Peninsula Source Protection Region. Conestoga-Rovers & Associates. 2008.  
 Intake Protection Zone and Vulnerability scoring provided by W. F. Baird & Associates Coastal Engineers Ltd. Surface Water Vulnerability Analysis for Goderich Intake, August, 2007.

**Map 4.90 Livestock Density Howick**

**LEGEND**

Source Protection Area	Wellhead Protection Zone	Nutrient Units per acre
Municipal Boundary	Zone A - 100m	< 0.5
County Boundary	Zone B - 2yr tot	0.5 - <= 1.0
Road	Zone C - 5yr tot	> 1.0
Watercourse	Zone D - 25yr tot	
Cities and Towns	Zone E - GUDI zone	
Municipal Well	Intake Protection Zone	
Surface Water Intake	IPZ1	
	IPZ2	

Map Projection: UTM NAD83 Zone 17

**DRINKING WATER SOURCE PROTECTION**  
 Our Actions Matter

**Map 4.90 Livestock Density Howick**

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