

From: [Grizzle, Betty](#)
To: [Conor McGowan](#)
Subject: Life table demographics
Date: Monday, March 27, 2017 9:52:55 AM
Attachments: [Wolverine Life Table.docx](#)

Hi Conor - Can you take a look at the attached table (adapted from the Scandinavian PVA) and let me know what else you will need for the model? I would like to send this to at least one person to review/edit. Thanks.

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Betty J. Grizzle, D.Env.
Fish and Wildlife Biologist
U.S. Fish and Wildlife Service
Carlsbad Fish and Wildlife Office
2177 Salk Ave, Suite 250
Carlsbad, CA 92008
760-431-9440, ext. 215
760-431-5901 fax

Wolverine - Demographic input data (life table) parameters

		Reference for value (taken from or calculated from)
Reproduction		
Age of 1 st offspring for females	3	Persson et al. 2006
Age of 1 st offspring for males	3	Persson et al. 2006
Maximum age of reproduction	13	J. Persson, pers. comm.
Maximum # of broods per year	1	Persson et al. 2006
Maximum litter size	3	Persson et al. 2006
Sex ratio at birth, % males	45	J. Persson, pers. comm.
% breeding among 3 year old females	21	Persson et al. 2006
% breeding among older females	39.2	Persson et al. 2006
Litter size distribution		J. Persson, pers. comm.
1 offspring	40%	
2 offspring	54%	
3 offspring	6%	
Mean # of males per breeding male	1.4	Estimated from home range sizes in Mattison et al. 2011
Mortality Rates (%)		
Female mortality from age 0 to 1	21	Persson et al. 2009
Female mortality from age 1 to 2	11	J. Persson, pers. comm.
Female mortality from age 2 to 3	11	Persson et al. 2009
Female mortality after age 3	11	Persson et al. 2009
Male mortality from age 0 to 1	12	Persson et al. 2009
Male mortality from age 1 to 2	16	J. Persson, pers. comm.
Male mortality from age 2 to 3	16	Persson et al. 2009
Male mortality after age 3	16	Persson et al. 2009
Expected growth rate (λ)		
	[1.046] recalculate	

Persson et al. 2006. Reproductive characteristics of female wolverines (*Gulo gulo*) in Scandinavia. Journal of Mammalogy, 87(1):75-79.

Persson et al. 2009. Human caused mortality in the endangered Scandinavian wolverine population. Biological Conservation 142(2):325-331.