

Summary of Population Reduction and Fertility Control Options

Method	General Public Safety	Animal Humaneness	Efficacy	Relative Cost	Social Factors	Legal Issues
<p>Trap and relocate</p> <p>Ungulates are baited, trapped and moved outside the city</p>	<p>Possibility of people or pets encountering traps, nets or unused/lost darts containing chemicals</p>	<p>High stress resulting from capture and relocation</p> <p>High mortality after release</p> <p>(BC experience with elk and Manitoba experience with WTD does not show high mortality after release)</p>	<p>Population and damage will be reduced</p> <p>Animal wariness may increase with each subsequent trapping effort</p>	<p>Expensive due to high cost of animal capture, transport, possible collaring and subsequent tracking</p> <p>Reported costs range from \$352 USD/deer (2000) to \$800 USD/deer (2002)</p>	<p>Generally favoured by the public</p> <p>Not controversial</p>	<p>Non-government staff require a permit to handle/possess/transport wildlife</p> <p>Government staff require approvals from Region or Branch for relocation projects</p>
<p>Trap and euthanize</p> <p>Ungulates are baited, trapped and dispatched with bolt guns by COs, police or contractors</p>	<p>Possibility of people or pets encountering traps, nets or unused/lost darts containing chemicals</p>	<p>High stress resulting from capture</p> <p>Stress duration is short, with a goal of painless and quick death</p>	<p>Population and damage will be reduced</p> <p>Animal wariness may increase with each subsequent trapping effort</p>	<p>Expensive due to high cost of animal capture.</p> <p>\$250 USD/deer (2009 Helena, MT)</p> <p>Moderate labour costs if COs or police are used, expensive if contracted out</p>	<p>Generally not favoured by the public</p> <p>Controversial</p>	<p>Non-government staff require a permit to handle/possess/transport wildlife</p> <p>Government staff require approvals from Region or Branch for trap and euthanize projects</p>
<p>Sharpshooting</p> <p>Ungulates are baited, and shot by COs, police, or contractors</p>	<p>Possibility of collateral human injury during the process, however strict shooting protocols would be in place</p>	<p>Possibility of poor shot placement and subsequent animal injury and suffering, however strict shooting protocols are in place</p>	<p>Population and damage will be reduced</p>	<p>Moderate if COs or police are used, expensive if contracted out</p> <p>Reported costs range from \$150 - \$400 USD/deer (2009)</p>	<p>Generally not favoured by the public</p> <p>Controversial</p>	<p>Need for change to city bylaws to allow discharge of weapons</p>

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<p>Controlled public hunting</p> <p>Ungulates are shot by recreational bow hunters or rifle hunters that have received enhanced training</p>	<p>Possibility of collateral human injury during the process</p>	<p>Possibility of poor shot placement and subsequent animal injury and suffering</p>	<p>With good hunter success, population and damage will be reduced</p>	<p>Inexpensive, perhaps some small revenue accrues due to license purchase</p> <p>Reported costs range from \$20 CDN/deer (2004) to \$200 USD/deer (1995)</p>	<p>Generally not favoured by the public</p> <p>Controversial</p>	<p>Need for enhanced monitoring of hunters</p> <p>Need for change to city bylaws to allow discharge of weapons and hunting. Need for change to hunting regulations</p>
<p>Fertility control</p> <p>Ungulates are baited, trapped, ear tagged, and contraceptives administered by dart or hand injection</p>	<p>Animals must be tagged to prevent human consumption or repeat treatments</p> <p>Possibility of people or pets encountering traps, nets or unused/lost darts containing chemicals</p>	<p>High stress resulting from capture, tagging, or injections; minor stress from darting</p>	<p>Proven effective at reducing fertility in individuals</p> <p>Very slow to achieve population reduction in free ranging populations, therefore damage is ongoing</p>	<p>Expensive due to high cost of animal capture and possible annual treatment</p> <p>Capture/single shot vaccination project costs reported as \$350 USD/deer (2004)</p> <p>Drug cost is inexpensive (\$24-\$50/dose/deer)</p>	<p>Generally favoured by the public</p> <p>Somewhat controversial</p>	<p><i>No drugs licensed for operational use in Canada</i>; permits required for scientific trials</p> <p>GonaCon™ registered in USA for WTD; state approval must be obtained prior to treatment</p>