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To: [Laura Romin](#); [Larry Crist](#); [Betsy Herrmann](#); [Stephanie Graham](#)
Subject: Population estimates
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I know recently there has been a question about population estimates and how the state figures these out.

In Utah, they use a ratio of 2:1. However there is also the assumption that the number of males counted is only 75% of the males in that population. So one would need to make that adjustment first, then multiple by 3.

So for example in West Tavputs they counted 83 males. So you take 83 and divide it by 0.75. You then get 110 and then multiply that by 3, which equals about 330.

For Anthro Mountain they counted 60 males this spring. $60/0.75 = 80 \times 3 = 240$ pop. estimate.

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