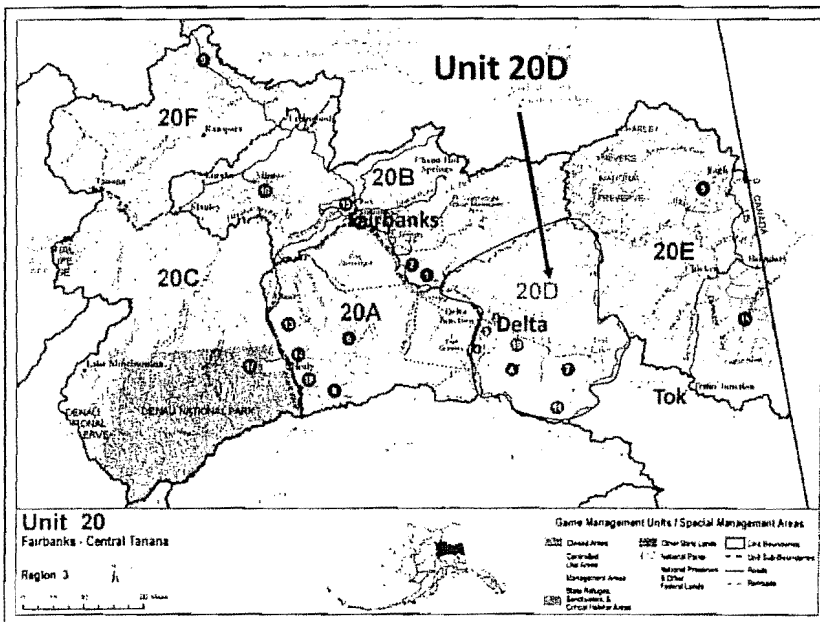


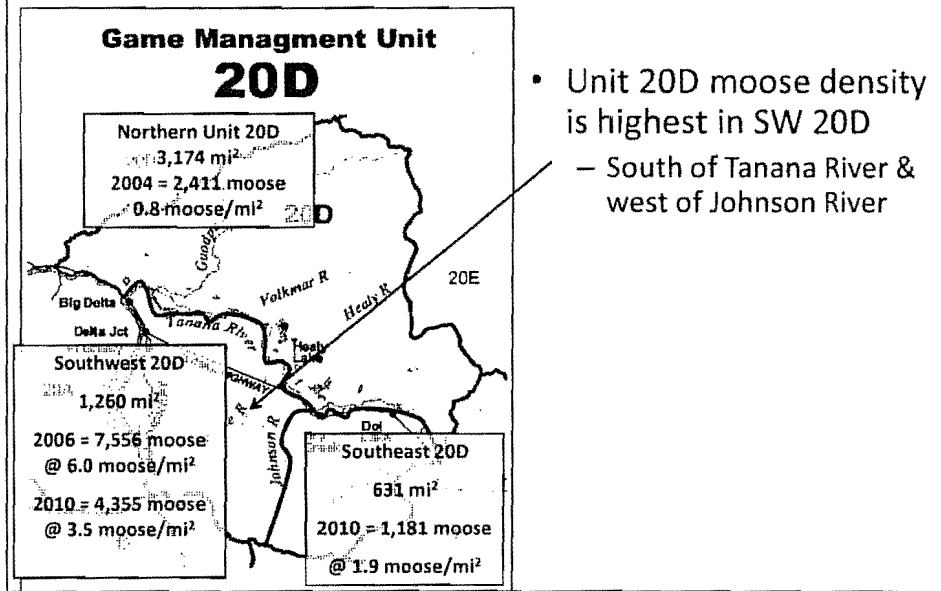
March 2011 Southwest Unit 20D Antlerless Moose Reauthorization



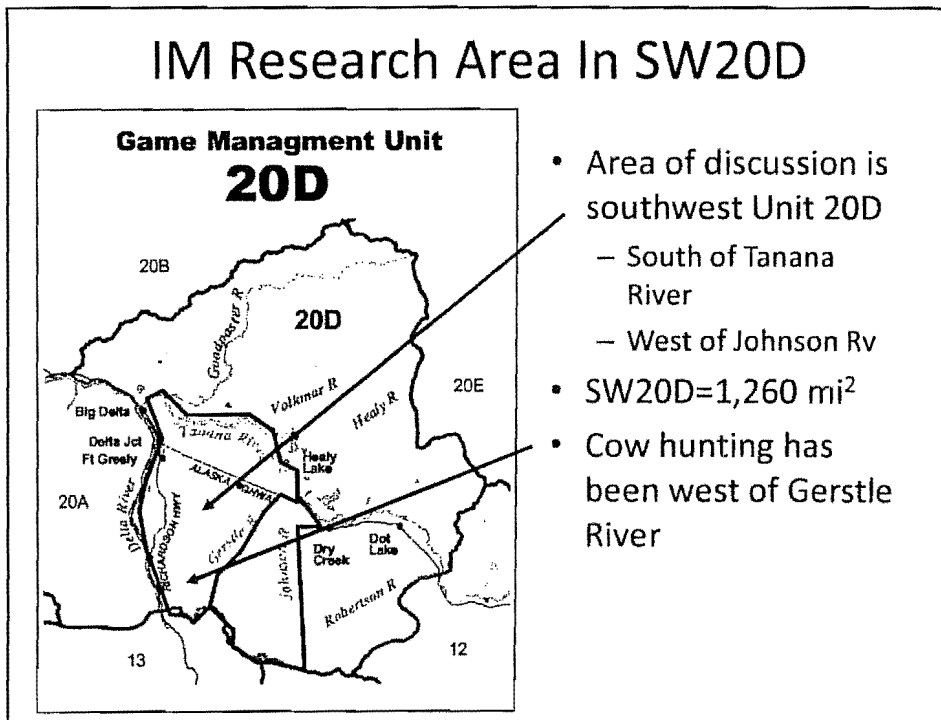
Where Are We?



Unit 20D Moose Population Size

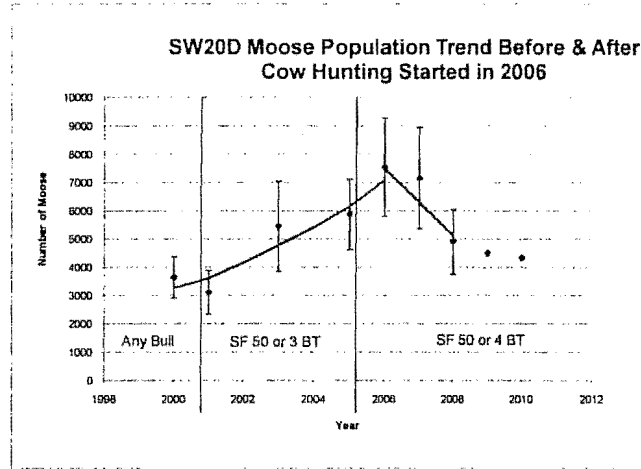


IM Research Area In SW20D

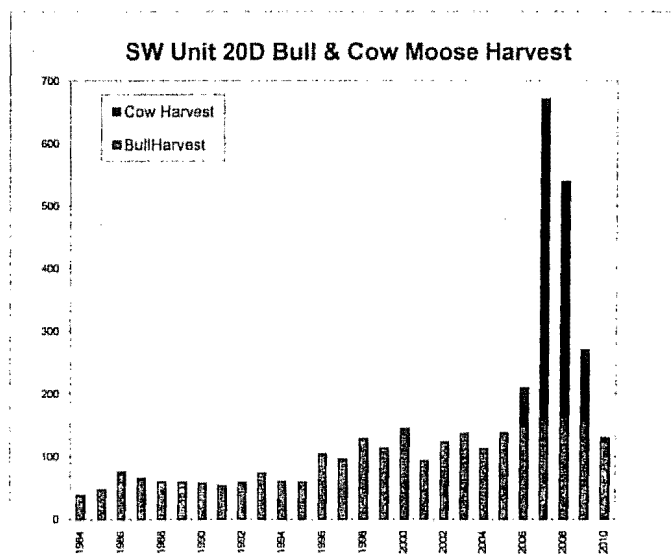


SW20D Population Size & Trend

- Will concentrate review on SW20D (south of Tanana & west of Johnson Rv)



SW20D Bull + Cow Moose Harvest



SW20D Data Summary

- 2010 Unit 20D population size $\geq 8,000$
 - Meets objective
- 2010 Unit 20D moose harvest = 230
 - Below objective
- 2010 Southern Unit 20D population size = 5,562 moose
 - Reduced from 8,764 a peak in 2006
- 2010 SW 20D population size = 4,355 moose
 - Reduced from 7,556 at peak in 2006
- 2010 SW20D 2-yr average twinning rate = 11.0%
- 2010 SW20D 2-yr average bull:cow ratio = 31.5%
- Calf weights low at average 340 lbs (AK interior range = 339-450)
- Browse survey = Overwinter browse removal reduced from 25.3% (2007) to 15.3% (2010)

Recommendations

- No change to general season moose regulations or drawing permit hunts including no cow moose hunting in 2011
- Manage for a population with twinning rates = 11-20%
 - No cow moose hunt unless 2-year twinning rates is $\sim <10\%$
 - Maintaining authorization for cow moose hunts allows youth hunters in DM792 Bison Range Youth Hunt to continue shooting cow moose (ave. = 6.4/yr)
- Continue to monitor twinning rates
- Continue to measure population trend in Southern Unit 20D
- Repeat browse utilization survey in 3-5 years