

## Krista Anderson

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**From:** Warren, Michael [Michael.Warren@state.co.us]  
**Sent:** Wednesday, July 20, 2011 3:19 PM  
**To:** Krista Anderson  
**Subject:** RE: BMPs at the Shell Hart Gulch Location

Very good. No problem, I would rather get things correct up front, and proceed then have to revisit the situation after the official forms are filed.

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**From:** Krista Anderson [mailto:KAnderson@norwestcorp.com]  
**Sent:** Wednesday, July 20, 2011 3:16 PM  
**To:** Warren, Michael  
**Subject:** RE: BMPs at the Shell Hart Gulch Location

Michael,

Thank you for reviewing.  
Those changes would be fine.

Krista

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**From:** Warren, Michael [mailto:Michael.Warren@state.co.us]  
**Sent:** Wednesday, July 20, 2011 3:12 PM  
**To:** Krista Anderson  
**Subject:** RE: BMPs at the Shell Hart Gulch Location

Krista,

I just checked the COGCC web and our mapping. You are correct, the Heart Gulch is outside of mule deer critical winter range and elk winter concentration area but is within elk winter range- see attached screen shot.

I assume you would like to remove or modify references to the deer and elk BMPs as appropriate. I believe that it is appropriate. Will the following changes work for you?

**Hart Gulch** Location NWSE, S17, T4N, R90W 40.31321667 -107.5267861 Moffat County

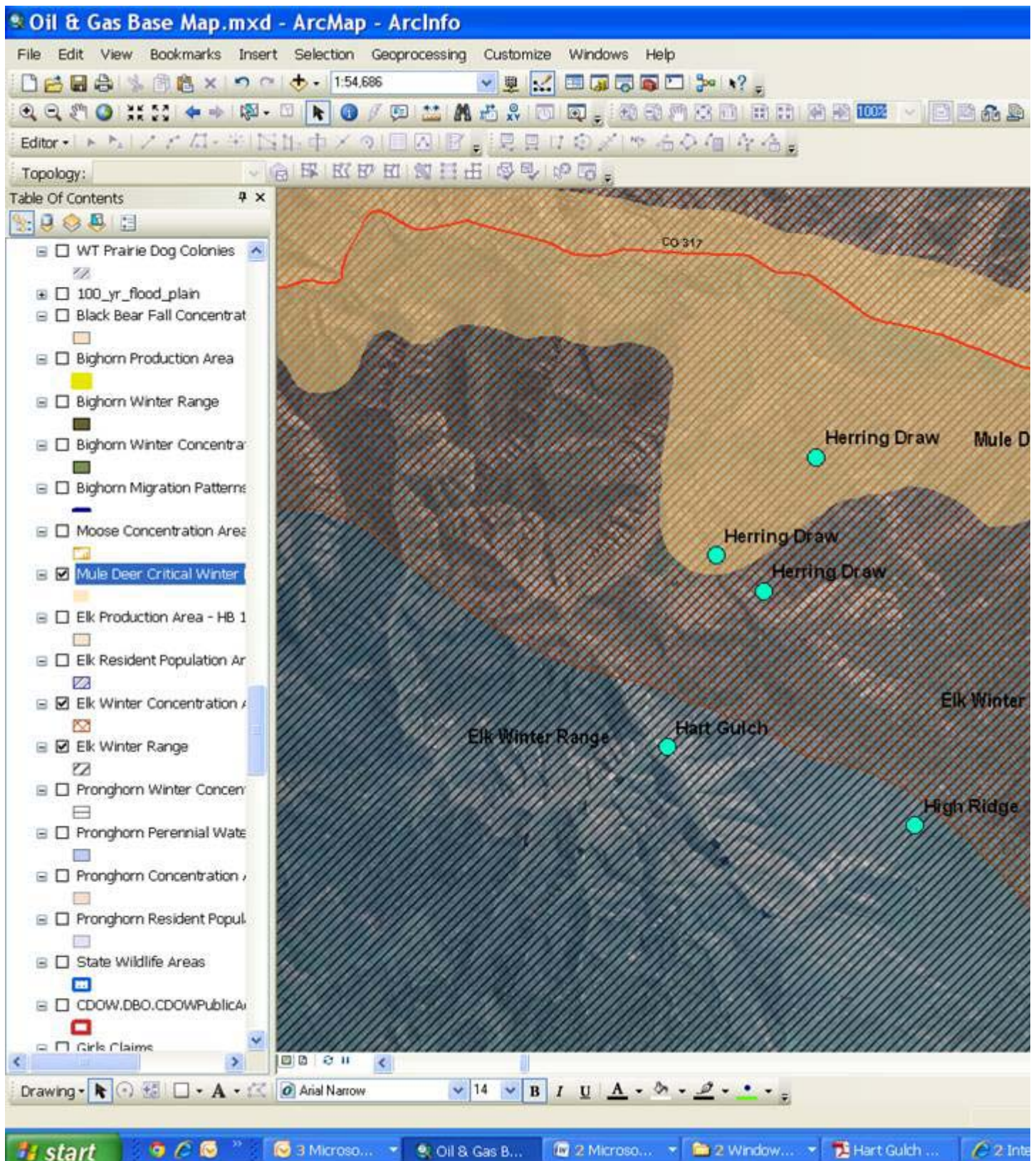
Wildlife concern – Mapped elk winter range, ~~mule deer critical winter range~~

CDOW recommendations and concerns – as agreed to by the operator and CDOW.

- 1) Shell will use the existing access road and pad.
- 2) Shell will make a good faith effort to finish drilling at this location by December 1, 2011
- 3) ~~Shell agrees will attempt that if future reentry to this well site, if applicable, will occur outside of the period between December 1 and April 15.~~
- 4) Interim and final reclamation will match existing vegetation.
- 5) Shell will include a weed management plan and implement the plan as part of reclamation.

I think this may be satisfactory, please let me know.

Michael



**From:** Krista Anderson [mailto:KAnderson@norwestcorp.com]

**Sent:** Wednesday, July 20, 2011 2:40 PM

**To:** Warren, Michael

**Subject:** RE: BMPs at the Shell Hart Gulch Location

Hi Michael,

With regard to the Hart Gulch site described in the emails below - when I look at the sensitive wildlife areas on the COGCC website, I'm actually not seeing any mapped elk winter range (yellow on attached map) or mule deer critical winter range (green on attached map) overlapping with this site.

I assume I simply don't have the most recent data, but just wanted to check.

Thank you,  
Krista

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**From:** Warren, Michael [mailto:Michael.Warren@state.co.us]  
**Sent:** Monday, July 11, 2011 9:49 AM  
**To:** Aleta A. Brown  
**Cc:** Krista Anderson; Kubeczko, Dave  
**Subject:** RE: BMPs at the Shell Hart Gulch Location

Aleta,

The BMPs you have listed below are the BMPs CDOW requests for this site; they are appropriate for the site and wildlife species affected by development and production activity.

CDOW does not request any other BMPs for this site.

Michael Warren  
Land Use Specialist  
Colorado Parks & Wildlife  
711 Independent Ave.  
Grand Junction, CO 81505  
(W) 970-255-6180  
(F) 970-255-6111

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**From:** Aleta A. Brown [mailto:abrown@norwestcorp.com]  
**Sent:** Monday, July 11, 2011 9:31 AM  
**To:** Warren, Michael  
**Cc:** Krista Anderson  
**Subject:** BMPs at the Shell Hart Gulch Location

Michael, Per your site visit with Shell on June 21, 2011, below are the BMPs proposed by CDOW for the Hart Gulch 1-17 location. We would appreciate it if you could send a quick email back confirming that these BMPs are satisfactory. We will include this email with our Form 2a application.

**Hart Gulch** Location NWSE, S17, T4N, R90W 40.31321667 -107.5267861 Moffat County

Wildlife concern – Mapped elk winter range, mule deer critical winter range

CDOW recommendations and concerns – as agreed to by the operator and CDOW.

- 6) Shell will use the existing access road and pad.
- 7) Shell will make a good faith effort to finish drilling at this location by December 1, 2011
- 8) Shell agrees that if future reentry to this will site, if applicable, will occur outside of the period between December 1 and April 15.
- 9) Interim and final reclamation will match existing vegetation.
- 10) Shell will include a weed management plan and implement the plan as part of reclamation.

Please let me, or Krista know if you have any questions or concerns.



Thanks!

Aleta A Brown  
*Environmental Specialist*

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