I would help if the public knew the ESA worked.

- Allotments in direct conflict with laws should be recorded or moved away from new dens.
- Online petitions vs. referendum.

Film Push for getting collars into uncollared packs.
Comments Mr. S.

1. Dept job is to manage wildlife, not people. So much of this is about people, Dept should focus on wildlife.

2. Regards to communication about lethal removal, feels like Dept checking w/ public.

3. Agree w/ counting probable, at least count for something.

4. Process of considering lethal too long, too big of impact on livestock herd. Need to act on 1st or 2nd depredation.
Comments from Mrs S
- Concerned w/ burden on public lands
- Concerned w/ mis-information on wolf ecology
- Important to understand cultures, customs, & traditions

Comments from Okanogan Mrs R
- Glad to be here & appreciate Dept
Comments from Mr. D.

1) Annual report missing connection to wolf plan and where WA is in recovery process

Comment Mr. N

1. Include concrete direction & guidance for WDFW staff. Helps staff from taking flack as they make decisions

2. Better clarity in definitions

3. As WAG talks about situations, pair some in protocol as examples
Clarify/define "Sanitation"

Clean up someone else's mess? [unlicensed butchers, etc]

Minimum 2 appropriate deterrence measures [versus sanitation +1]

LP + WDFW identify expectation that the measure actually works - don't require items just to "check the box" "capable of changing wolf behavior"

Translocation
Proactively / Approp. Sanit.

SANITATION

- LP - OWNED (Livestock)
- CLEAN CARCASS FROM AREAS (Pasture)
- WHERE LIVESTOCK ARE CURRENTLY LOCATED
- PASTURE VS ALLOTMENT
- REMOVE FROM CONCEPTS - AFTERBIRTH
- CLEAR PASTURES AS LIVESTOCK MOVE ACROSS THE ALLOTMENT
- CONSIDER ADD. PASTURES PROXIMITY TO
- NOT RESPONSIBLE FOR CARCASS OF OTHER ANIMALS.

- FENCE OFF CARCASS PITS ON PRIVATE PROPERTY

WHY TO REDUCE ATTRACTIONS ON THE LANDSCAPE + MINIMIZE VISITATIONS REDUCE PROBABILITY OF WOLVES + LIVESTOCK TO COME IN CONTACT.
WAG/WDFW - MARCH 29-30

11:45  WELCOME / GRAB LUNCH
       CONSIDERATIONS for MEETING AGENDA

12:15  WDFW Update / Reflections

1:30   BREAK (+ SPECIAL GUESTS)

1:45   APPROACH TO DECISIONS
       & SMALL GROUP WORK
       ON DETERRENCE MEASURES
       & LARGE GROUP DISCUSSION

2:45   SMALL / LARGE GROUP WORK
       ON DEFINITIONS

3:45   BREAK

4:00   SM/C6 GROUP: LETHAL CONSIDERATIONS

5:00   PUBLIC COMMENT

5:30   CLOSE
3. Are expectation for DM different if history of deportation?

- When would you not do responsive DM?

→ Don't change if what DM using working, may change DM if situation change

→ Can't answer Question without knowing goal

→ May not do responsive DM if already doing what's suitable for that area/operation.

→ In area w/ history, make sure all producers are aware + ideas for suitable DM's
(3) Qual. Dep | Prob.

- Right now, don't mention probabilies (only for compensation)

- Will probabilies count toward a qual. depredation?

- Concerns with qualifiers/factors toward probable or confirmed.

- Define the metric(s) that separates confirmed & probable?
  - hem. with bite marks = confirmed (this includes other factors as well)

- Was supported by metrics/factors from 2013 to present.

- Use definitions from Wolf Plan for confirmed & probable.
“Habit/Pattern”

Pattern = “Repetitive Behavior”
Habit = “Settled/Regular tendency that is hard to give up”

* Pattern = Habit (no need)

Pattern = Chronic negative repetitive behavior

* What is random and what is connected (pattern)
  - How “random”, noting in good pasture
  - Both wolf and livestock behavior should be evaluated to determine pattern
    - Proximity of wolves/livestock

* Longer periods of time complicates issue
  - If wolves/livestock in close proximity and no depredation then no pattern
  - If depredations, then cows come off, then may depredations early the next season — indicate pattern despite DMs

- List examples of possible patterns in the protocol
DEFINITIONS

1. INCREMENTAL
2. "PATTERN"/"HABIT"
3. QUALIFYING DEPREDATIONS/PROBABLES
4. PROACTIVELY/APPROPRIATE SANITATION
Communication/Outreach

- Word of mouth communication
- Weekly reporting during removal operation
- More user-friendly website being developed
- Highlight what's going well-positive stories
- Put up photos of WAG/WDFW meetings
• Framing the protocol will involve language explaining WDFW mission/wolf/plan human ingenuity/effort in implementing/achieving goal values of endangered species recovery - Reduce loss of wolves + livestock

Communication/outreach
  - Monthly updates throughout year
  - Increased info/education on wolves/economy/terms/coexistence + tools
  - Stakeholder + WDFW in design + outreach
DETERRENCE MEASURES

① HOW TO ENSURE ACCOUNTABILITY WHILE HONORING INTEGRITY OF LIVESTOCK PRODUCERS + WDPW/LP WORKLOAD REALITY REALITIES + RESOURCE

② EXPECTATIONS OF (#/TYPE/ETC) DETERRENCE MEASURES + WHAT IF THESE AREN'T MET

③ ARE EXPECTATIONS DIFFERENT IF THERE'S A HISTORY OF DEPRIVATIONS? WHEN WOULD YOU NOT DO RESPONSIVE DETERRENCE (RAMP UP)
Incremental:

- After deterrence measures have not been successful and "threshold - TBD" has been reached, THEN AND we think that LR may be an effective tool - we implement an incremental removal
IDEAS:

Incremental = 1 or 2 wolves

Incremental = 25% of estimated pack

Incremental definition may be different in areas of resource concern (e.g. first pack south of 90). Also minimal but sufficient to achieve goals.

Incremental ≥ 1 or more does not provide upper limit conservation community objects.
IDEAS (cont'd)

Goal is never full pack removal. Removal if initiated is always incremental.

Incremental = ∅ values removed can meet the goal (e.g. change/modify pack behavior - depredations cease)
An increment is a period of attempted removal followed by an evaluation period.

* Needs to be defined
Documentation
Checklist + DPCA-L
Contract Range Rider
Tracking those not in DPCA-L

by Conflict Specialist
Know what producer is doing

- Discussing Summary P on deterrence + timing of when that's made public
  - "Real time" info imp to stakeholders
  - What is definition?
  - Transparency + accountability + realistic
Depredation Investigations

- State-by-state comparison
- Evaluated WDFW confirmed & probable
- Realistic timeframe to get reports to public
  - Updating reporting, content, timing, training—who, what, where, timing
- Next steps—internal team review
  - Available to public once internal review
- Accountability critical—consistent
Comment from Joe:
- Why wasn't Tearaway pack depredations on sheep made more public (sheep and guarding dogs)

**QUESTION #1**

*Is there a way to make public the deterrence measures being done by LPs*

*Spreadsheet by pack*
  - Each producer (i.e., "Producer A")
    - With check for each deterrence method used
    - To better justify lethal action against pack

*Part of monthly report?*
*Added to website?*

- District 1 has built spreadsheet for the ~30 LPs in area
- Update provided at turn out
- Narrative better than table
- Concern over WDFW workload
- WCS already tracking info - how do we get a simple narrative/table to convey to public
VIP - MAP
Voluntary Independent Producers

- More Broad Info - DPCA-L, Checklist, Etc.

By Pack

- Difficulty due to separate tracking by each WHO
- No centralized data

- There is power in a narrative monthly update inclusion
- How does public know that conditions of protocol have been met

- Pack based information
- Funding not till July 1 so this is anticipatory

- LPs on (large allotment
not smaller non-commercial
Who can't do DPCA-L b/c
DPCA-Ls are only for Commercial
Self-Incentivized LPS

- WWF needs to tell this story!
- This is the future/where we want to go/most imp
- Under-estimate of # Piece
  - Creativity/ingenuity should be shared + encouraged
  - How to communicate this
to public - # + what's actually happening
  - What does this mean
  - Quantify + qualify
  - Producers are adapting their operations on their own.
    - Doing differentiation w/o stick
  - Every operation is different
  - Taken years What is applicable in one place not so in another place.
  - Huge: cooperation exponential increase
- Discuss WSU recent press release.

- Follow definitions of "Confirmed" & "probable" from the Wolf Plan.

- Is there research that supports lethal removal at one depredation & will it change pack behavior?

- Discuss humane lethal removal. Trapping, snaring, and poisoning is not humane.

- Evaluate the appropriateness of certain grazing allotments (e.g., location & terrain).

- If deterrent is NOT practical & feasible (from protocol) consider whether grazing location is appropriate.
Thanks to WDFW for recognizing that some decisions are value based as opposed to science based.

Don't send calves out until they are real sized (or pregnant cows).

All producers should have BPCA-Ls in wolf areas.

Livestock should avoid areas with core wolf activity and pup rearing locations.

Recommend that "Protocol" should require use of multiple deterrents prior to lethal removal.

Recognize that wolf depredations involving livestock is a low percentage.

(above) - "ZOO # calves" are not relevant to whether wolves depredate or not (example of 15DD# cow taken last year).
Proactively / Approp. Sanit.

Sanitation

* LP (owned livestock)

Clean carcass from areas (pastures) known where livestock are currently located.

- Remove from concepts - afterbirth

- Clear pastures as livestock move across the allotment - consider adj. pastures proximity to pastures of other animals.

- Fence off carcass pits on private property

Way to reduce attractants on the landscape. Minimize visitations, reduce probability of wolves + livestock to come in contact.
Options

1. Keep existing acute provision
   Chronic: 4 in 1yr, 16 in 2yr
   6 in 30 days/2m/3m??

2. 3 dep in 3 months
   While the livestock are on landscape (WDFW)

3. Review our data to help align an appropriate window/

4. 4 dep in 4m/5m??
   Rolling but not across years/Grazing seasons
Policy ideas

1. Within year 4 deprivations with min Z conf (at least 1 kill)
   (concern that this is go earlier 10% of time)

2. 2 Dep (1 confirmed kill)

3. 3 Dep (1 confirmed kill)
3. Are expectation for DM different if history of deprecation?
   - When would you not do responsive DM?

  → Don't change if what DM using working, may change DM if situation change
  → Can't answer Question without knowing goal
  → May not do responsive DM if already doing what's suitable for that area/operation.
  → in area w/ history, make sure all producers are aware + ideas for suitable DM's
for how long?

want to have conversation of intensive hazing

responsive DM, then becomes best

suitable DM (proactive) the next year

LP w/in single pack

awareness that usually multiple

LP in area for best suitable proactive DM/changing/timing

have conversation w/ other DM

of depredations, the
→ believe all DM have shelf-life until not effective

→ evaluate whether DM has strong/weak influence on wolf behavior
   
   → seasonality/timing/denning

→ efforts to influence behavior of livestock too, wolves harder to "train"
   
   ↓ salt block training memory
   
   ↓ other techniques to train livestock

→ can't put to much on LP, workload not reality
Livestock

→ good husbandry doesn't have self-life. Always good!
- Right now, don't mention probabilities (only for compensation)

- Will probabilities count toward a qual. depredation?

- Concerns with qualifiers/factors towards probable or confirmed?

Define the metric(s) that separates confirmed vs. probable?

- Hem. with bite marks = confirmed (this includes other factors as well)

- Was supported by metrics/factors from 2013 to present.

- Use definitions from Wolf Plan for confirmed vs. probable.
"HABIT / PATTERN"

**PATTERN** = "REPEETITIVE BEHAVIOR"

HABIT = "SETTLED / REGULAR TENDENCY THAT IS HARD TO GIVE UP"

* PATTERN = HABIT *(no need for term)*

PATTERN = CHRONIC NEGATIVE REPEETITIVE BEHAVIOR

*WHAT IS RANDOM AND WHAT IS CONNECTED (PATTERN)?

* BOTH WOLF AND LIVESTOCK BEHAVIOR SHOULD BE EVALUATED TO DETERMINE PATTERN

- PROXIMITY OF WOLVES / LIVESTOCK

* LONGER PERIODS OF TIME COMPLICATES ISSUE

- IF WOLVES / LIVESTOCK IN CLOSE PROXIMITY AND NO DEPRECAOTN THEN NO PATTERN

- IF DEPREATIONS, THEN COWS COME OFF, THEN DEPREATIONS EARLY THE NEXT SEASON - INDICATE PATTERN DESPITE DMS

- LIST EXAMPLES OF POSSIBLE PATTERNS IN THE PROTOCOL
Examples:
- # of degradations in very short period
- 1 degradation every couple of months to reach 4
  - difficult to call a pattern?
  - just opportunistic?
  - difficult to deploy responsive DMs
  - considered “normal loss” for producers?
- More than just degradations that contribute to a pattern
- don’t add “negative” to pattern definition
- look at overall patterns, not just @ pack level
1. Probable's count? If so how?

- Consider "not count" because difficult to describe + 10% of depredations. Much smaller of when considered as part of pattern.

- Count to honor goal, pattern, less wolves and livestock death's

  Things considered:
  - Based on pack size?
  - History of depredation?
  - Deterrence measures meet? (Yes)

  Local
  - Time span short (within 6 weeks) of confirm
  - Recovery area status
  - If also w/ 1 confirmed kill
  - Part of known pattern
1. Acute situation

- 3 depredations in a 30-day rolling window
- Meeting expectations for Z appropriate deterrence measures (agreed on by WDFW & LP) and responsive deterrence measures

- Depredations include at least 1 confirmed kill & may include 1 probable
- Unless removal is resource concern (i.e. goal)
Chronic

- 4 depredations in rolling 10 month window

- Meeting expectations > 2
  app DM (agreed on by WD+U+LP)
  and responsive deterrence measure

- Depredations include at least one confirmed kill & may include 1 probable

- Unless removal is resource concern
  (i.e. goal)