No Elk

Fencing
no elk in park

2 kinds of fences
- keep elk out
- keep cows in

W Elk

use all tools available

contraceptives
- further study needed

- Buy out Heiman

- Buy out Home Ranch
  - further study needed

- doing nothing is NOT an option

621 Start
1999 - Moved to Linn 45 head

NE | ME

do elk need to be every where?
convert part home ranch to prairie, more elk there
some mgmt is required!:
park makes comitment to preserve Agin Police
restore land to original prairie land
will elk approach towns, urban centers?
customized solutions per unique area
one sized fits all not do-able
hazing, "gray" blended solution
elk in wilderness, fence them in
more data on elk impact, rancher compensation
-organic required x/o grazing on wildgrass

utilize all tools
fencing unattractive

cost to raise cows is $\cong$ in or out of park

, if park ranches go away,
more pressure

can we find a number of cows and
a number of elk
that can co-exist in the
spaces in question

1

Elk Habit management/improvement in wilderness is critical for either approach

No Elk Approach

- Single Fence~~d~~ from ranches ~~into Wilderness~~ preferred because it is viewed as viable
- Public viewing and experiencing can happen on Pierce Point + Limatour
- Fencing out ranches means fencing every ranch, not feasible
- Other options hard on animals ~~and not an immed~~
- If some elk get out have options to move them ~~back~~ Pierce Pt.

Elk in Pastoral Zone

- Concern that there may not be long-term commitment to manage elk (cost, staff turnover)
- Elk in pastoral zone impact ag operations (cow fences knocked down, loss forage)

Report Out (3)

No Elk Approach

1. Single fence
2. Move elk to wilderness
3. Manage for elk habitat in wilderness
4. Public viewing opps PPt + Livatour

Elk in Pastoral Zone

1. Concern that there may not be long-term commitment to managing elk (costs, staff turn-over)
2. Elk have priority over grazing livestock (minority report)

(1)

NO ELK IN PASTORAL ZONE

PARK SHOULD HANDLE All THE FENCING TO KEEP THEM OUT OF THE RANCHES IN PASTORAL ZONE

ELK ARE HARD ON FENCES TAKE UP TIME FIXING FENCES

PARK (PROFESSIONALS TAKE CARE OF THE ELK

LOCAL OFFICIALS TAKE UP FUNDING

MOVE ELK OUT OF PASTORAL ZONE AND FIX FENCES NOT AROUND EVERY RANCH (CHEAPER)

CAN'T LET FIELDS REST BECAUSE ELK MOVE ON WHEN CATTLE ARE OFF

ELK EAT RANCHERS hay (EXPENSIVE)

OVERGRAZING OF PASTURE

MOW GRASS REMOVE BUSH PLANT FOR ELK

HAZING "C" RANCH DOESN'T WORK ELK GO IN CIRCLES BREAK THE FENCE

ELK MORE DESTRUCTIVE TO PASTURE DIG UP PASTURES

BULL ELK SPEAR COWS WITH TUSKS

BULL HIT COW ABORTED PREGNANT COW

DON'T CULL ENTIRE HERD LIKE FALLOW DEER

IMMEDIATE ACTIONS HERD GROWING

ELK AT POINT INTERBRED @ PIERCE POINT

THE 'C' RANCH HERD WAS 3 NOW 95

IMMEDIATE ACTION TO CULL BY LETHAL

CONTRACEPTION WILL TAKE MORE TIME FOR PARK SERVICE TOO DIFFICULT TO MANAGE

TROPHY ELK $ TOWARDS MGT.

RANCHERS GET ONE HUNTING TAG A YEAR

DONATE MEAT TO CHARITY

FREE-RANGE ORGANIC ELK

MOVE HERD FROM 'C' RANCH TO LIMATOR

QUARTINE ELK TO GET PERMISSION TO MOVE THEM

MOVE ELK TO AN AREA WILDERNESS WHERE THE ARE NO CATTLE

HAS ANYONE REQUESTED "STOCKER ELK"?

EASIER TO MOVE AFTER THEY SHED THEIR ANTLERS

RANCHERS HAVE VOLUNTEERED THEIR TRAILERS

PARK DOESN'T HAVE THE RESOURCES TO MANAGE THE ELK

PARK HAS TAKEN SO LONG PARK SHOULD GIVE SPECIAL STATUS

Ranchers don't HAVE A YEAR ESP. WITH DROUGHT

ORGANIC RANCHERS 30% FEED IS PASTURE 120 DAY FED HAY 2 MONTHS EARLIER, OVERGRAZED LOOKING AT PASTURES (CERTIFIER) DROUGHT & ELK

ECONOMIC BENEFITS SUBSIDY FOR DROUGHT
ECONOMIC OFFSET FOR RANCHERS TO REMAIN VIABLE
WHY THEY ARE DEALING WITH THE ELK

HOW SHOULD PARK SUPPORT THE RANCHERS ORGANIC CERTIFICATION CATTON

4

EMERGENCY CULLING PROGRAM TO REDUCE THE IMPACT OF THE ELK ON THE PASTURE.

LOBBY FEDS & STATE FOR $ TO SUSTAIN THE RANCHERS FOR ELK EMERGENCY

ALSO LOBBY THE NAT'L ORGANIC STANDARDS FOR SHORT TERM WAIVERS RELEASING THE RANCHERS FOR SHORT TERM GRAZING REQUIREMENTS

5

ACTION TO REMOVE NO ELK
PASTORAL ZONE

(5)

IMMEDIATE ACTION TO REMOVE ELK FROM PASTORAL ZONE NO ELK

LETHAL, CULLING, REMOVAL TO ANOTHER AREA
HUNTING
TROPHY TO RAISE # FOR MGT.

FENCE TO KEEP ELK OUT OF PASTORAL ZONE

MANAGING PASTURE HEALTHIER
MANAGE A SMALLER HERD

Smaller Herd Size

Funding for the ranchers/farmers
-fencing/feed

NOP Standards - RDM Requirements

Feasability/Sustainability of Farm/Ranch

Park Does Not have the resources to mng the ORGANIC FREE RANGE ELK

NO ELK IN PASTORAL Z

~~1. Elk are endangered therefore no control.~~

immediate long term 1. fence between pastoral and limantour wilderness and move herd. advantage of

immediate as needed 2. manage elk population by selling hunts.

immediate and long term 3. make work on limantour area grazing and enhancements.

4. Eliminate population by managed hunts –

5. all suggestions offered not acceptable.

preventing elk-cobb contamination

~~NOT~~

DO NOTHING ABOUT ELK IN ~~PASTORAL~~ Z.

At risk, narrow gene pool.

① Endangered species. Less than 4000 in existence.

② allow natural population development.

③ ~~#~~ Continue testing for Jonne's disease in elk and cows to allow for transfer.

④ Ranches are a cultural resource that will be endangered if nothing is done.

MANAGED ELK IN PASTORAL ZONE

1. contraception
2. managed hunts - native americans using traditional methods
3. relocation
4. fencing - selective fencing of specific ecolog areas
5. enhancement in wilderness area
6. predators - wolves, black bears
7. Monitor herd and reimburse ranchers for damage

Report out

NO ELK in pastoral zone.

① fence

② managed hunts

③ grazing enhancements in L. wilderness

~~④ none of above~~

some people do not agree with any of the above.

Some ~~think~~ know elk are endangered some ~~think~~ know ranches are endangered.

MANAGED ELK

in pastoral Z.

1. contraception
2. relocation
3. monitoring herds

some don't agree with the above.

① There is no "magic answer".

- Important to improve the habitat outside of the Pastoral Zone.
- All the tools should be available and prioritized with in the management plan. Some tools maybe more short-term, some are long-term.
- You need to deal with the current issue - how to get to none or some. And then how do you manage none or some long-~~term~~ term.
- There Should be a recognized baseline so then decisions can be made from that or goal for herd management

Management of Elk in Pastoral Zone

- Fencing in valued pastures, barn areas, etc.
- How do you determine the right size of the herd and how to sustain it.
- If Elk remain in Pastoral Zone will need an agressive array of tools in order to manage it - hazing, culling, etc.
- How do you sustain funding to continue perpetual management of the herd?
- There should be absolutely no contricepha used. It is too disrubtive to the animals.
- More ~~long term~~ investonent and mangement of ~~Habitat~~ long term Habitat enhancemen like what has been done at D Ranch.
- ~~How~~ What is the best way to manage size? Culling
- If a Rancher is being asked to have a managed herd on their ranch then constant management needs to happen & rancher compinstated in some way - monitarily or extra pasture.

Managed Elk - PAGE 2

- Culling is a humane

managed herd on their ranch then constant management needs to happen & rancher compensated in some way - monitoring or extra pasture.

Managed Elk - PAGE 2

- Culling is a humane way of managing herd size.

- No matter what action is chosen, there needs to be a concrete Elk mangement plan put into place. We need to think about the long term.
- If there is going to be fences on ranches to exclude [redacted] Elk, where would they be located? Amount of acres? What would it look like?
- Park needs to work with and assist Ranchers with Rangeland enhancement.
- Establish a "Friends of" group to help fund whatever scenario is chosen.
- Need some sort of replacement for the Elk's natural predators.

No Elk in Pastoral Zone

Need clarification
- It is important for us to see a map of the Pastoral Zone so we know what area we are working with.
- Need clarification if the Elk have ever gotten around the Tomales Point fence.
  - Yes they do and they are hazed back.
  - It happens every couple of weeks - one or two.
  - The Rancher calls the park and they are moved back.
- Why are the Elk a problem for the Ranchers?
  - fence damage
  - forage consumption. Drought or no drought.
- Ranchers fear if they agree to some Elk in exchange for Park assistance for maintaing fences and replacing forage that if they come upon a year with a tight budget and ~~they~~ the Park cannot do those things

- Need a better understanding of the Elk baseline in the wilderness and how to manage it to maintain it

cannot do those things

- Need a better understanding of the Elk baseline in the wilderness and how to manage it to maintain it.
- What was the impact on forage from non-native deer?
  - There was, but a lot of Ranchers did not complain.
  - Non-natives were removed before many of the dairies converted to organic

No Elk - Page 2

Tools for Removal

- No black helicopters for contriception.
- Need fencing - either exclusion or on the ~~not~~ pastoral zone boundary.
- Fencing them out of certain areas is ok - fencing in wild animals is not.
- Culling as a management tool but not as the top tool.
- Relocation is an option.
- If it comes down to culling vs relocation - relocate outside the park.
- Need to address & understand the carrying capacity.

No Action / No Votes

No Elk – Transport to the Wilderness from PRNS Leases.
- Continue Water & forage enhancement in the wilderness.
- Wildlife / livestock fencing projects and maintenance will be required, but may not be practicle.
- Culling of problem Elk

Managed – Cattle have always been fenced in the Pastoral zone; May or may not be practicle in Today's World.
- Continue Water and forage fencing improvement throughout Pastoral / Wilderness areas.
- Each Ranch / Dairy is unique and has different requirements.

No Action / No Votes

No elk. Transport to Wilderness, or out of PRNS

- Continue Water and forage enhancement

No Elk in pastoral zone

- Compete for feed
- Soil Disease?
- Knock down fences - need to be 8-10' high.

Spallettas - 600 acres = + 100 Elk?

+ Fence off areas at timantour to contain Elk
  * needs to be maintained
    ie arizona + highway / elk crossings
* Keep ranches and elk seperated

Sport licence on ranches to cull Elk. managed hunts

Contraception - doesn't work?

Diversify Elk switch from cows to elk - farming for local consumption.

Not possible to keep them out of pastoral zone

~~will~~

Ranching + ~~Elk roaming~~ National Park are not compatible

~~Elk~~

Ranching + ~~Elk roaming~~ National Park are not compatible

Manage Elk in pasture zone

Managed hunt to control

- Fence —— cost · who pays
- Culling / Hunt — ~~cost~~ multiplying at 12.5% / year?
- Contraception - is it effective?
  how about castration?

Habitant enhancement - attract Elk away from ranches

→ not commercial - not selling lisence or consider money from lisence to go to habit enhancement projects.
- Let ranchers have certain number of permits

Ranching + Nat. park not compatible

Tule Elk Mngt.

*No elk in the Pastoral Zone

① - fencing elk out of pastoral zone → long-term

② - Direct population mngt.
- Lethal removal based on established pop size
- Citizens advisory Committee working w/ NPS

- Implementation time line
  - short-term + long-term

- short-term + long-term

No elk (cont.)

- Professional/academic input
  gov't input long-term
- Suitable Pop. Size

3) Rapid response to elk getting through fence
- Habitat enhancement outside of pastoral zone (long-term)

No Elk

Park staff should embrace & work w/ Agriculture to maintain the sustainability as outlined in the legislation.

① Build Fence

- Maintain from pastoral zone
& manage fence, [redacted]

② Manage Wilderness

- Habitat Enhancement
- Keep Population in Balance

③ Cull Elk Herd

- Hunt

MANAGE ELK

NO VIABLE OPTION BASED ON EXPERIENCE TO DATE

USE Legislation

ELK IN WILDERNESS ROAMING FREE, CONTROL OFF PASTORAL ZONE & HWY BY FENCING

Define ALLOWED USES IN PASTORAL ZONE & WILDERNESS ZONES

MANAGE WILDLIFE IN PASTORAL ZONE SO THAT IT DOESN'T HARM AG PRODUCERS

CONTINUE JOHNE'S disease testing TO MOVE [redacted] ELK OUT OF PASTORAL ZONE TO PIERCE PT, OTHER SITES, 'OUT OF PARK' &/OR PARK WILDERNESS

HUNTING ELK

FARMS NEED TO BE SUSTAINABLE
PARK SHOULD EDUCATE PUBLIC
ABOUT LOCAL FOOD, CARBON SEQ
MANAGING INVASIVE SPECIES, etc.
} WORK TOGETHER

PARK KEEP PASTORAL ZONE AS SUCH → ① REMOVE ELK ② BUILD BARRIER ③ Lethal means when ELK RETURN #1

MANAGE ELK HERD!!! #2
IN WILDERNESS AREA

2b HABITAT ENHANCEMENT IN WILDERNESS

2a KEEP ELK POPULATION IN Balance IN WILDERNESS

1a WHY CAN'T FENCE BOUNDARY Be at PASTORAL/WILDERNESS LINE? MAINTENANCE ROAD ON PASTORAL SIDE

IF JOHNE'S testing will take 2-3 years, start culling NOW!

ALLOW HUNTING

CONTROL BULL ELK w/ ELASTRATOR BANDS - ONGOING MANAGEMENT to CONTROL GROWING POPULATION

PARK STAFF CAN NOT (HAVE NO ABILITY) TO MANAGE ELK IN PASTORAL ZONE

PARK SHOULD Embrace PASTORAL ZONE AS THEY Embrace the WILDERNESS

↳ could be non-starter

② Substantially reduce herd sizes and compensate ranchers for ~~loss~~ damage/ reduced forage, etc.

- establish carrying capacity of pastoral zone w/ ranching incorporated and determine appropriate # of elk
- incorporate adaptive mngt test → adjust → implement

Managed Elk In Pastoral Zone

- Dairy vs. beef ranches are different w/diff. challenges re: elk mngt.

1) Not possible/incompatable

2) Smaller exclusion fencing ~~about~~ around high quality pastures, but who determines
   ↳ could be non-starter

③ fence elk in on ~~unused~~ areas not used for grazing and do habitat enhancement

④ Look at other elk mngt. plans from other N.P.s

* For both scenarios, immed implementation (e.g., oil spills)