

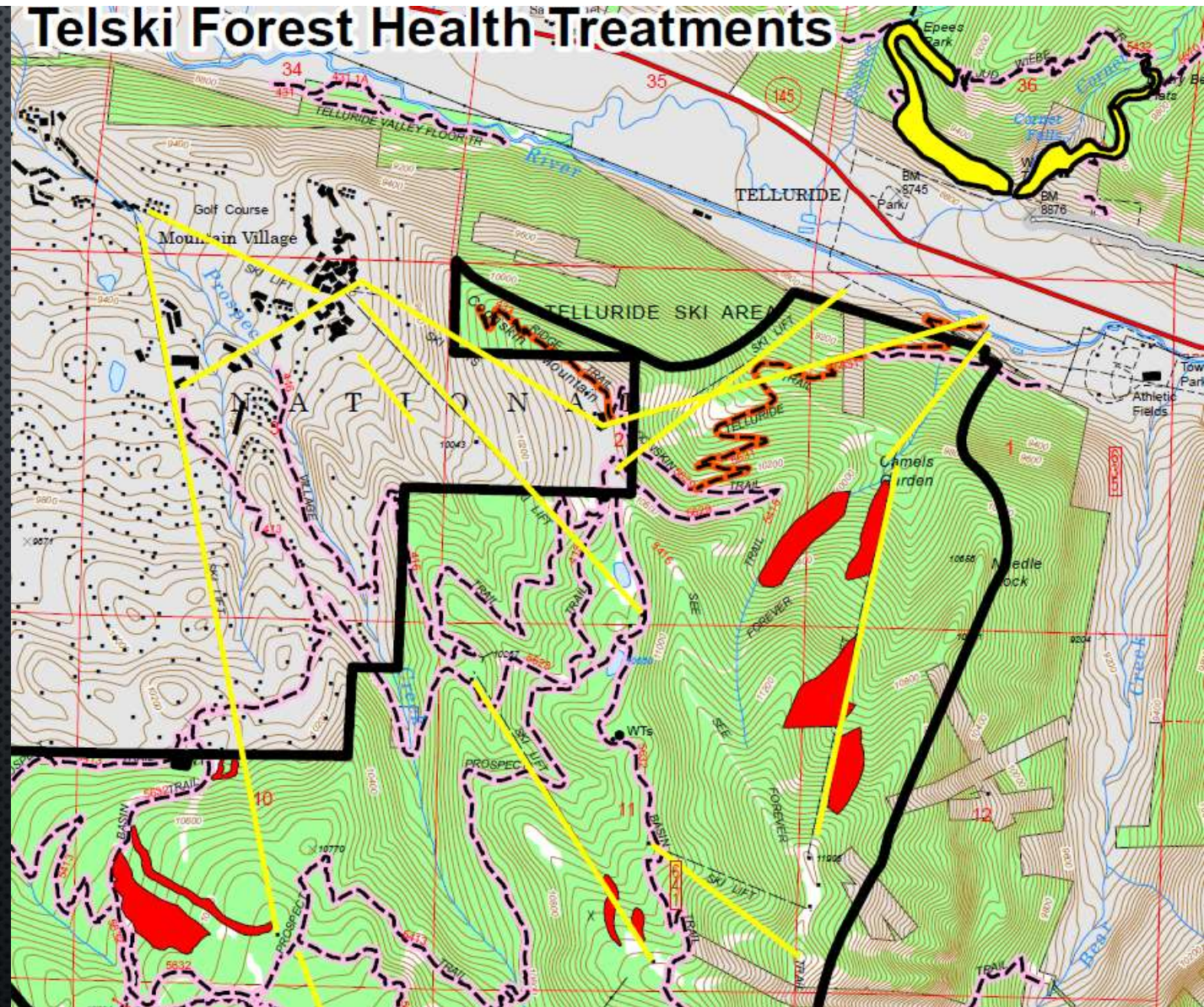
FOREST HEALTH AND WILDFIRE RISK REDUCTION AND MITIGATION PAST, PRESENT, FUTURE

- DESCRIBE SOME OF THE FOREST HEALTH PROJECTS THAT HAVE BEEN ACCOMPLISHED
- ONGOING PROJECTS
- FUTURE FUELS PLANNING EFFORTS AND STRATEGIC DIRECTION



- **MEGAN ENO, DISTRICT RANGER – NORWOOD RANGER DISTRICT**
- **TODD GARDINER, SILVICULTURIST & FOREST RESTORATION COORDINATOR**
- **STEWART ROBERTSON, FUELS PROGRAM MANAGER**

- TELLURIDE SKI AREA
VEGETATION MANAGEMENT
PLAN
- SBEADMR EIS
- FOREST HEALTH PROTECTION
WORK
- GOOD NEIGHBOR AUTHORITY
IN COOPERATION WITH CO ST
FOREST SERVICE





**TYPICAL POST THINNING IN
SPRUCE-FIR**

- **HAND-THINNING PILES**





Mastication



WILDLAND URBAN INTERFACE



2019 HELI-LOGGING OPERATION

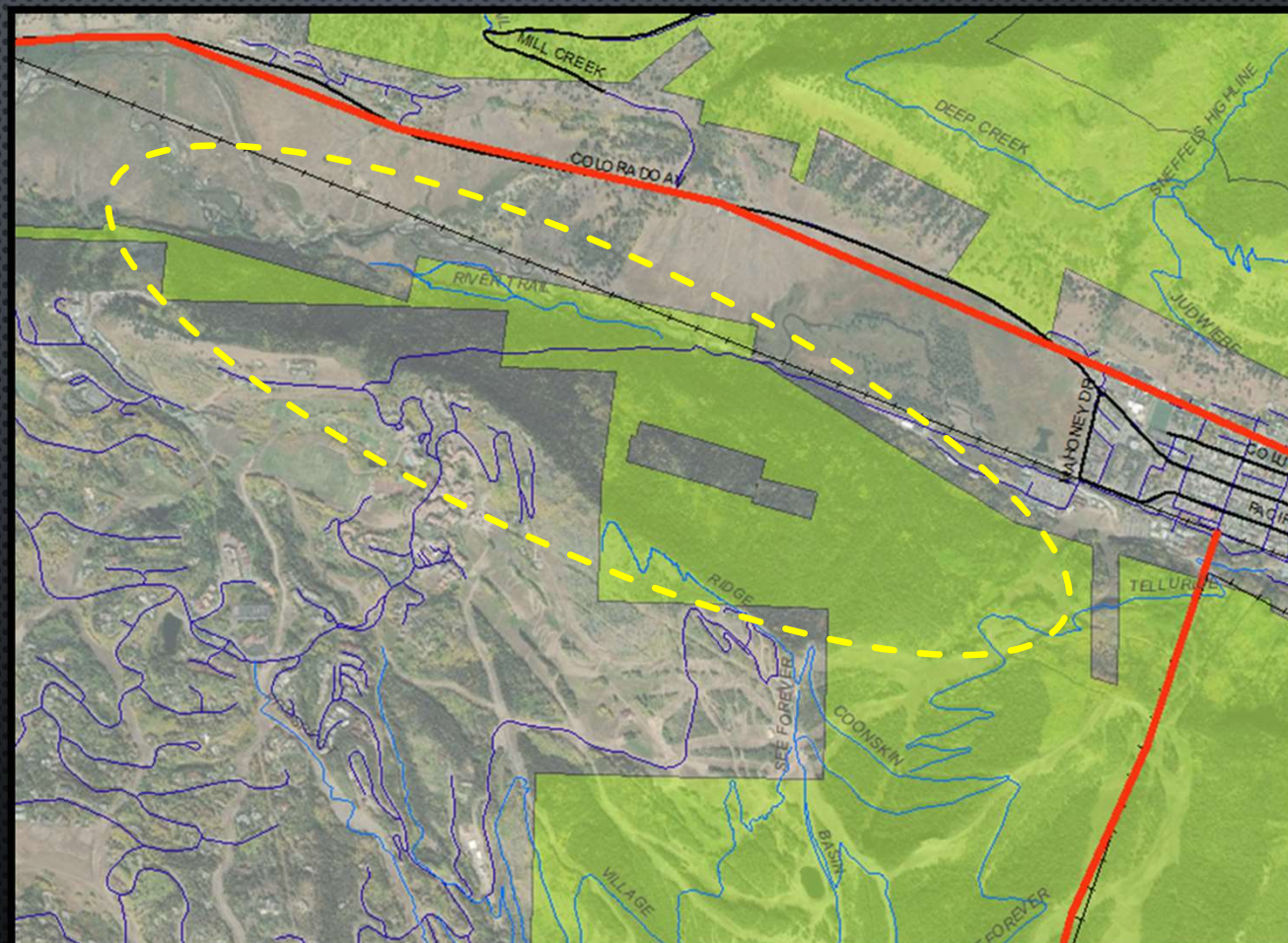




LARGE BURN PILES IN SKI RUNS

CURRENT DISCUSSIONS AND PROJECT DEVELOPMENT

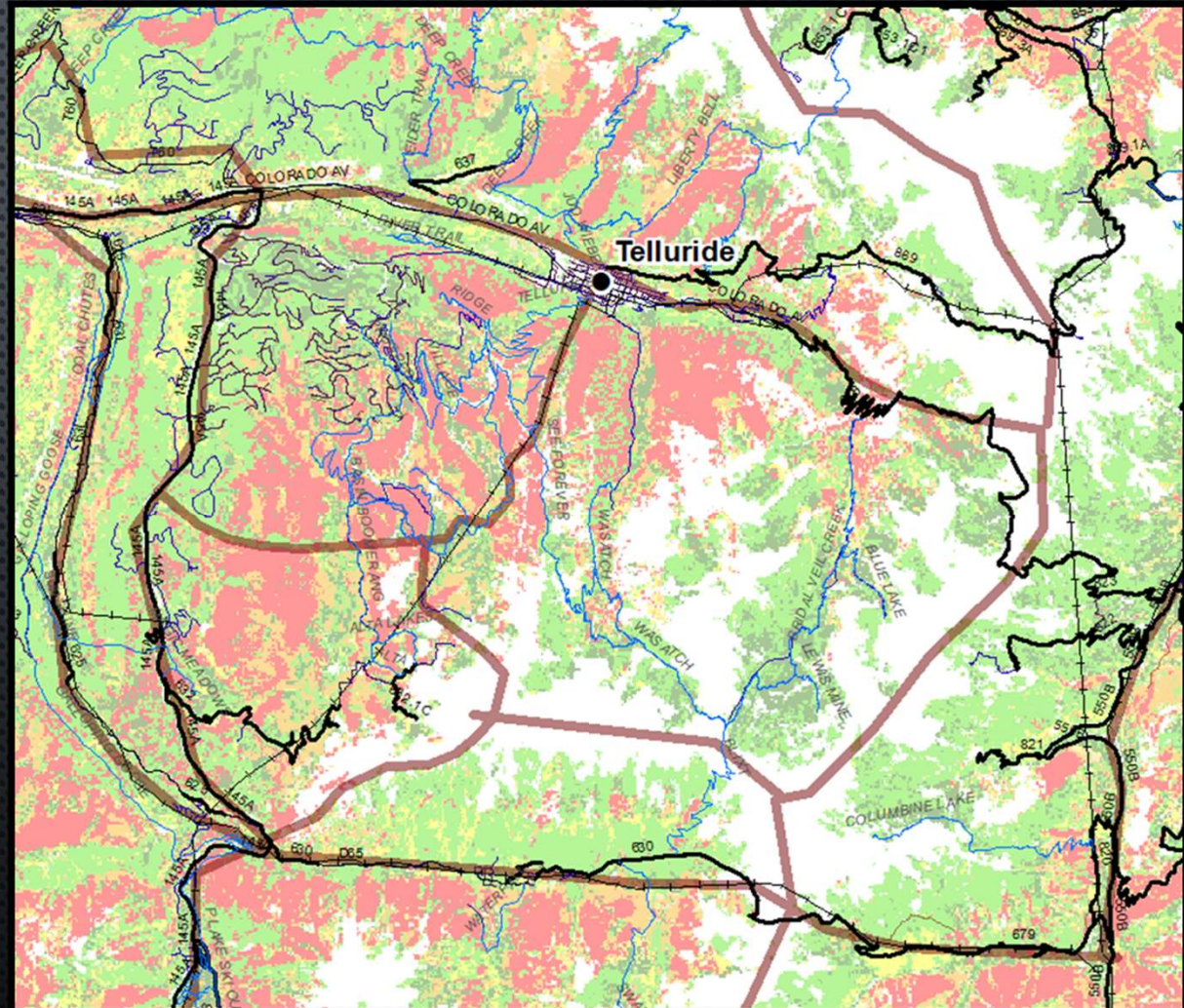
- DISCUSSING OPTIONS FOR COLLABORATIVE, CROSS BOUNDARY FUELS TREATMENT PROJECTS
- BOOMERANG ROAD THINNING — EXPLORING A VARIETY OF FUELS TREATMENT METHODS (SELECTIVE THINNING, HAND PILING AND PILE BURNING)
- GOAL WOULD BE TO REDUCE FIRE RISK, PROMOTE ASPEN REGENERATION AND FIRE RESILIENCY



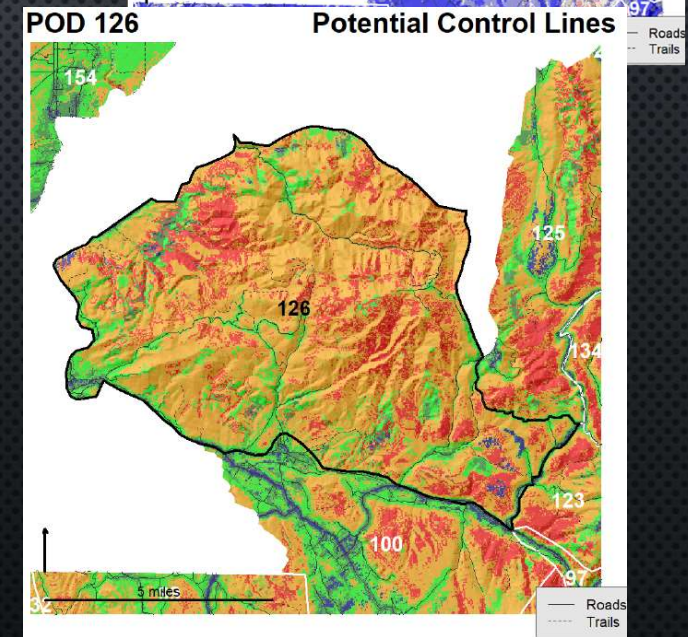
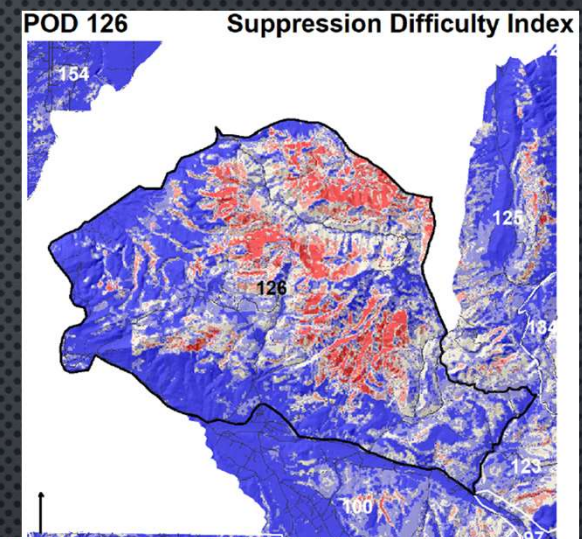
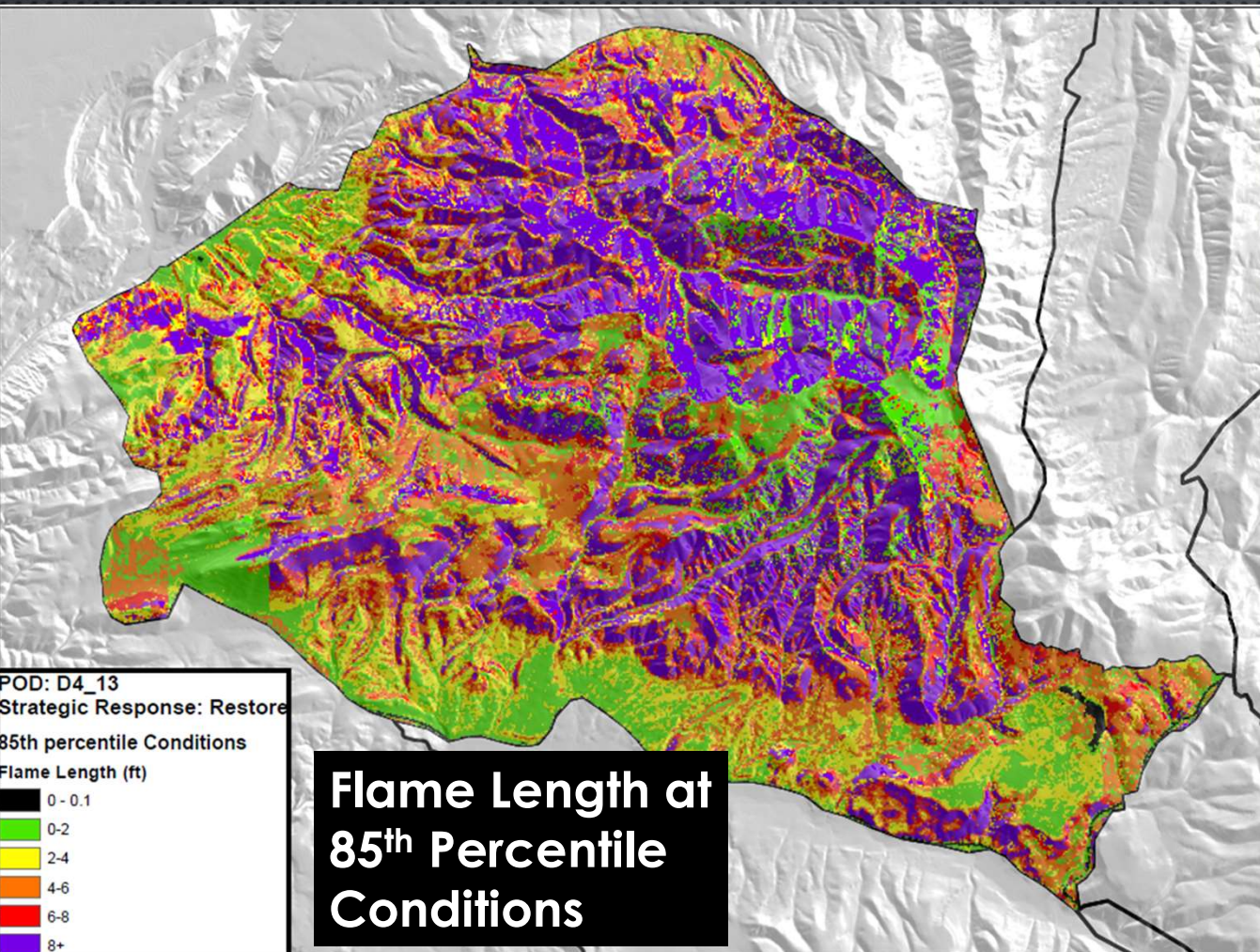
POTENTIAL OPERATIONAL DELINEATIONS (PODS)

HOW ARE PODS DEVELOPED?

- FIRE MANAGERS UTILIZE NEW RESEARCH, FIRE MODELS AND LOCAL EXPERTISE TO DEVELOP LINES WHERE WE WILL HAVE THE HIGHEST PROBABILITIES OF SUCCESS WITH THE LOWEST AMOUNT OF FIREFIGHTER RISK EXPOSURE.
- SHIFTING HOW WE CAN ENGAGE LARGE WILDFIRE AND FIRE MANAGEMENT PLANNING
- “WHERE THE DATA MEETS THE DIRT” & “PICK THE BEST RIDGE, NOT NECESSARILY THE NEXT RIDGE”

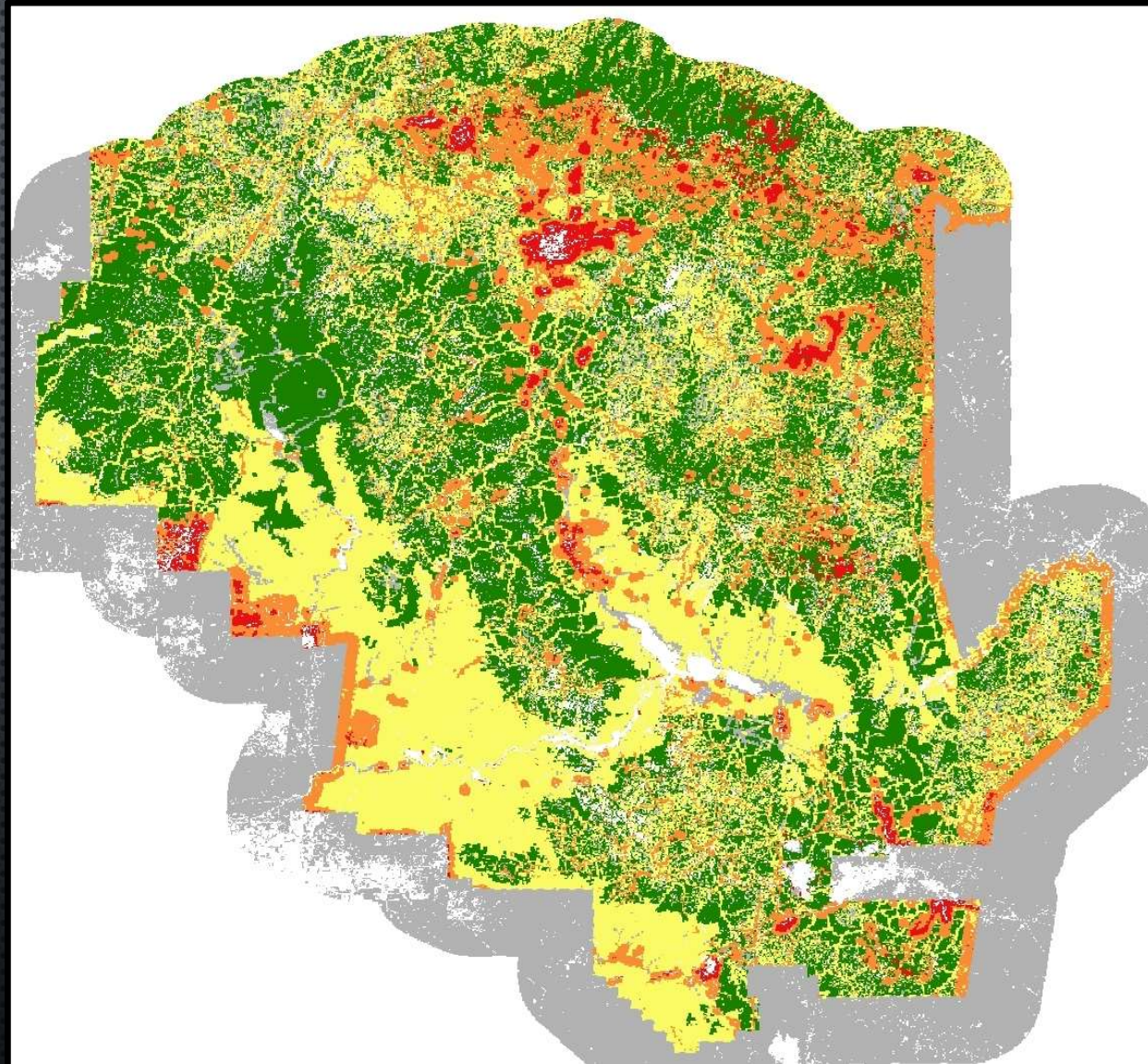


MODELING AND ANALYSIS



ASSESSING RISK

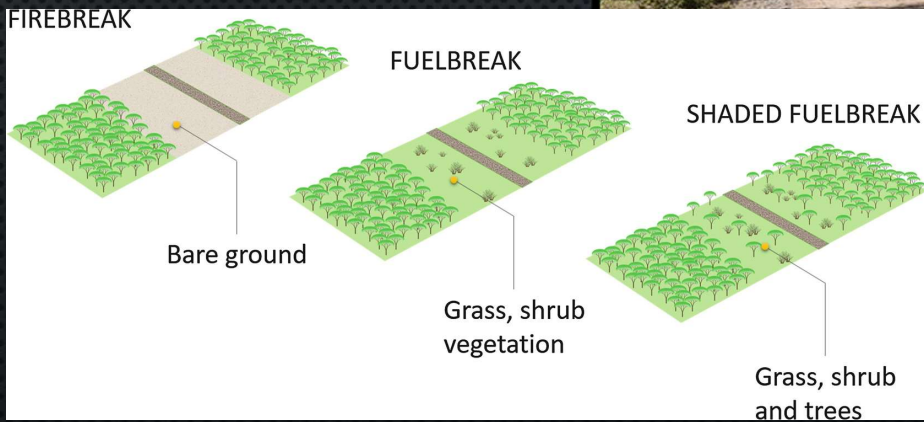
- QUANTITATIVE RISK ASSESSMENT MODELING ASSISTS IN DEVELOPING CONDITIONAL CHANGE (NET LOSS OR NET BENEFIT) TO OUR SHARED ASSETS AND VALUES
- PROVIDES STRATEGIC RESPONSE AND DIRECTION
- PRIORITIZES WHERE WE NEED TO GO AND WHAT WE NEED TO DO
- PROVIDES ADDITIONAL MANAGEMENT DECISION SPACE IN LOCATIONS WHERE FIRE ON THE LANDSCAPE COULD BE BENEFICIAL (RIGHT FIRE, RIGHT PLACE, RIGHT TIME)



FUELS TREATMENT OPTIONS

- **MANY ARE AVAILABLE DEPENDING ON THE VALUE AT RISK, INTENT AND FUEL TYPE**
- **PROACTIVE OR REACTIVE? EITHER WAY THIS IS HOW LARGE FIRES ARE STOPPED**

OPERATIONALIZING PODS



"In this case, the Forest Service was able to invest in 900 acres of hazardous fuel reduction projects next to the Wilderness and Mesa Cortina neighborhoods above Silverthorne. The projects saved an estimated \$913 million worth of homes and infrastructure from the Buffalo Fire."

(Jay Adams, Denver Water, TAP Article)

Buffalo Fire - Silverthorne, CO 2018



WHY NOW?

- INCORPORATING NEW RESEARCH AND BEST AVAILABLE SCIENCE
- VEGETATIVE LANDSCAPE AND ENVIRONMENTAL CONDITIONS ARE CHANGING - WE NEED TO ADAPT
- WILDFIRE ACROSS THE WEST ARE UNDENIABLY LARGER AND HOTTER THAN EVER RECORDED





Summary

Having a mix of fuels projects to enhance forest health and reduce wildfire risk will continue to be a primary focus.

We look forward to continuing to explore opportunities to protect these places we love together.

Questions?