

Goal #1: Increase population size and distribution

Objectives	Strategies	Responsibility	Indicators
Augment the population with at least five females and two males that establish home ranges in the recovery zone between 2018 and 2022.	Capture subadult bears with no history of food conditioning or human conflict from the Northern Continental Divide Ecosystem and relocate to the Cabinet-Yaak	MFWP & FWS	Number of females and males that establish home ranges within the Recovery Zone.
	Monitor translocated bears with GPS collars	FWS	
	Engage local communities in process to build support	Ecosystem subcommittee	

Limit human-caused mortality, including management removals, to no more than 2 bears from 2018-2022.

Increase public outreach and education to landowners and communities

Ecosystem subcommittee

Amount of bear mortality

**Improve security of waste transfer sites
in ID and MT**

**Maintain or enhance hunter education
efforts regarding bear ID and use of
bear spray**

Reduce food attractants on public and private property. Support loaner programs and cost share for electric fencing and bear resistant garbage can use.

Document population growth rate and changes in distribution between 2018 and 2022

Identify the most effective population trend monitoring procedure

Secure funding needed to implement monitoring

FWS Recovery Coordinator in cooperation with Ecosystem subcommittee

Changes in population size and distribution

Implement occupancy monitoring in all BMUs and appropriate areas outside recovery zone boundaries

Goal #2: Maintain or enhance connectivity within the recovery zone to achieve recovery of

Objectives	Strategies	Responsibility	Indicators
Document and rank potential linkage zones between secure habitat areas by 2019.	Apply models (e.g. least-cost path)	FWS Recovery Coordinator, in cooperation with Ecosystem Subcommittees	Connectivity and linkage zones mapped for all ecosystems

Analyze collared bear movement data

Prioritize based on land ownership, development potential, existing or proposed infrastructure.

Develop a map of prioritized linkage zones that can be used by all parties to focus efforts

Implement measures to improve connectivity in \geq 50% of priority linkage zones by 2022

Amend land use plans as needed

Federal, tribal and state land management agencies

Land use plans amended

Monitor use of linkage areas by bears

FWS

Use of linkage zones by bears

Work with private landowners to facilitate conservation actions

IGBC member agencies in cooperation with NGOs

Conservation actions implemented

Work with state departments of transportation and rail roads to reduce barriers to movement and mortality

Ecosystem subcommittees

Barriers mitigated/removed; documented crossings; bear mortalities

Goal #3: Apply results of research to habitat management

Objectives	Strategies	Responsibility	Indicators
Improve project planning to maintain or promote grizzly bear habitat	Use new habitat quality maps in project planning to maintain or promote grizzly bear habitat in S/CY	USFS and FWS	Number of projects planned using new habitat quality mapping in S/CY

Goal #4: Increase coordination with Northern Continental Divide Ecosystem

Objectives	Strategies	Responsibility	Indicators
Have at least one joint meeting of the subcommittees every other year	Coordinate meeting schedules to facilitate meeting at the same time at locations convenient to both subcommittees Jointly identify appropriate agenda items	Ecosystem subcommittees	Number of joint Subcommittee meetings

Additional Comments:

Idaho Dept. of Lands (IDL): Provides \$30,000 on annual basis to IDFG for road closure enforcement in Selkirk and Cabinet Ecosystem. West Kootenai BORZ and contributes to a reduction in TMRD within adjacent BMU 17. This also results in an increase of 36 acres of Cc habitat. Repairs on 3 gates in Grouse BMU, and one trailhead in Boulder BMU to curtail unauthorized motorized use.



2018 Planned Actions

Montana Fish, Wildlife & Parks: Attempt to capture and relocate 1-2 bears the meet the criteria of the program

FWS & MFWP: Plan to move 1-2 bears to Cabinet Mountains subject to capture success.

Montana Fish, Wildlife & Parks: Continue to engage with community regarding augmentation program

Montana Fish, Wildlife & Parks: Continue to promote the use of bear spray, increase the number of bear spray training programs offered, attend public events and festivals. Continue human-bear conflict response and prevention on private lands and with residents. Kootenai NF: Ranger district personnel plan to continue I&E efforts, including again hiring a “bear ranger.” FWS: Continue educational programs as requested

Montana Fish, Wildlife & Parks: Waste Transfer sites at Pinkham Creek and West Kootenai will be secured by end of 2018. Continue to work with Lincoln County on plans to secure the remaining 2 waste transfer sites in the CYE.

Kootenai NF: Anticipate relocation of Pinkham dumpsters in 2018

Montana Fish, Wildlife & Parks: Continue to work with hunter ed instructors to provide additional bear information for their classes. Increase the number of bear spray training classes offered.

Montana Fish, Wildlife & Parks (K. Annis): Continue all proactive and reactive aspects of MFWP CYE bear specialist job/program. Kootenai NF: Ranger districts will continue education and enforcement efforts regarding our Forest-wide attractant storage order. KNF Rexford/Fortine RD: Anticipate installing food hanging structures at several dispersed camp sites.

Continued “known fate” monitoring through radio collared bears similar to programs in NCDE and Selkirks to provide trend estimates that are comparable

Kootenai NF: The Forest plans to again contribute \$10,000 in Fiscal Year 2018 to USFWS’s ongoing monitoring efforts in the CYE.

FWS: Continue rub tree and hair snag corrals with trail cameras to monitor occupancy of BMUs, numbers and distribution of females with young.

criteria occupancy standards.

2018 Planned Actions

Support conservation actions to promote or maintain linkage in these predicted linkage areas on a priority area basis.

Monitor bears to see where there is use of the linkage areas.

Direct a task team to evaluate predicted linkage areas from Proctor et al. (2015) and prepare draft priorities for subcommittee review.

Monitor permeability of linkage areas.

TNC, USFS, IDL, Hancock Forest Management signed voluntary conservation easement (Forest Legacy Program) to prevent development on 5,000 acres of forest land outside Bonners Ferry.



2018 Planned Actions

Utilize new habitat quality maps for timber sales, access management, or other projects to improve outcomes for grizzly bear habitat in S/CY



2018 Planned Actions

Kootenai NF: The Forest continued monitoring road closure de
ore within BMU 17 On three occasions, assisted Kim Annis to se

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2018 Accomplishments

MFWP: Captured and relocated 1 sub-adult male to the Cabinet Mountains, in July 2018, in coordination with USFWS for the Augmentation Program.

MFWP, FWS, and IDF&G: Monitored 2018 augmentation male from release until denning.

FWS: Provided updates on augmentation efforts to IGBC, County Commissioners, KVRI, NGOs, and student groups. **MFWP**: Provided several community presentations that outlined and discussed the augmentation program, along with several public outreach events.

FWS: Two known human caused mortalities: one adult female and one subadult male. Provided MFWP with electric fencing supplies. Public contacts with Lincoln and Sanders county commissioners, KVRI, Friends of Scotchman Peak Wilderness, Cube Iron Silcox Roadless Group, Avista Utilities work group, and University of MT Wilderness class fieldtrip. **Lolo NF**: 3-4 days of public contacts (10-20 people) by an employee conducting "bear ranger" work. All developed and dispersed areas well signed with bear safety messages. Ongoing discussions with local residents (maybe 10-20 per year) about the benefits of bear spray as a deterrent. Training field crews in bear spray use. Entire Plains/Thompson Falls District training about bear awareness and safety. **Idaho Panhandle NF**: Partnered with Idaho Conservation League and Idaho Department of Fish and Game to provide multiple bear educational programs in Bonners Ferry, Sandpoint and Priest Lake in 2018. This effort reached over 125 people in the three communities. Bear Ranger: this person covered both portions of the CYE and the Selkirks. Provided bear education, food storage compliance, and bear spray safety. **KNF**: Rexford/Fortine Bear Ranger program continued with RAC funding. Conducted presentations for summer recreation group at Eureka Library; presented 2 campground presentations on bear I.D., general bear biology/ecology, tips for recreating in bear country, effective bear spray use & KNF Food Storage Order. Conducted 3 backcountry outreach hikes making 60 public contacts - covered bear awareness, bear spray, food storage and available food storage poles located in the area. Bear Booth at the Lincoln County Fair in Eureka reaching approximately 750 public contacts discussing all items above plus an electric fence demonstration. Increased our presence in late summer on Eureka Rails to Trails and Riverwalk with twice weekly walks/rides and conversations with user groups and running groups about bear presence and carrying bear spray, leashed dogs, and keeping children close (105 contacts). **MFWP**: Proactive and reactive human-bear conflict response program for private and public lands. Multiple Presentations and educational programs in 2018; all discussed reducing human-caused mortality of grizzly bears due to conflicts, surprise encounters, or hunter mis-identification. Attended public festivals and fairs. Several community events teaching and discussing the use of bear spray. There were zero management removals in 2018, and zero management removals in the Montana portion of the CYE since 1999. One sub-adult male was killed in a human-caused incident on the KNF and remains under investigation. **KTOI**: Assisted IDFG with bear hide displays and grizzly bear mount at the Boundary County fair. KTOI provided "Demo" bear resistant dumpsters and brochures/handouts for electric fencing techniques (Annis 2014), bear identification, living in bear country, bears spray use, and "Staying safe around bears" coloring/activity books.

USFWS: Provided funding for fencing of a Lincoln County garbage transfer site. **Kootenai NF**: Rexford/Fortine RD - Relocation of Pinkham dumpsters accomplished. Drive over mat is effective with monitoring and maintenance. **MFWP**: Lincoln County public waste transfer sites secured in 2018 included Pinkham Creek (NCDE) and Yaak Hill. West Kootenai and Fortine (NCDE) are in the planning stage to be completed by spring of 2019.

Idaho Panhandle NF: All I & E has included some form of bear id and use of bear spray. Some of these public are also hunters. In-house trainings to employees, a portion of whom are also hunters, promote the use of bear spray and instruction on the proper use of it. **Lolo NF** - Some informal discussions occurred with local hunters (3-5 individuals). **MFWP**: Hunter education instruction teaches the use of bear spray in all hunter education classes. Gave bear spray instruction at Apple Festival in Troy 2018. Gave Bear Spray instruction to KNF Libby, Three Rivers and Cabinet Districts. Gave Bear Spray instruction to LNF Plains District.

Lolo NF: All recreation sites already have bear food storage boxes. No additional changes planned. Idaho Panhandle NF: Personnel continued education and enforcement efforts regarding the Forest-wide attractant storage order. These efforts include public contacts at campgrounds, signage, I&E material available at our offices that are provided to visitors, and working with visiting fire-fighting personnel on the Forest this summer. Kootenai NF - Rexford/Fortine RD: Installed 2 food storage poles at backcountry camp sites at lower Boulder lake. Updated our Food Storage Pole signs at respective trailheads. Designed and ordered directional signs depicting locations of food storage structures for installation at back-country sites. Bear booth at Lincoln county fair included electric fencing demonstration and information on cost share with NGO. Distributed bear reference packet to our 8 campground hosts -included training on bear safety, food storage order and bear spray. Patrolled the 8 campgrounds on 2 districts throughout the summer. MFWP: Worked with residents to prevent and reduce attractants on private land. Worked with FS to help keep attractants secure at Fire Camps. Loaned electric fencing materials out as part of the free loan program. Loaned out bear-resistant containers as part of the free loan program. KTOI: Provides a loaner program for electric fencing at the request of IDFG. In 2018, KTOI staff secured an orchard with temporary electric fencing between the Selkirk and Purcell Mountains. IDFG and FWP will assisted KTOI in construction of a permanent electric fence at this location.

FWS: Monitored 7 grizzly bears in the Cabinet-Yaak for reproduction and survival. Updated population trend estimate at end of 2017 = 2.1% growth rate.

FWS: Supervised monitoring of corrals and rub trees to monitor identification of females with young and distribution of females with young. **Lolo NF**: Assisted with collection of bear hair at rub trees across the LNF portion of the CYE. Visited about 15-20 rub trees 1-3x this season.

2018 Accomplishments

Proposed an easement on Stimson lands north of Libby, MT submitted through Forest Legacy program. Project was ranked # 1 nationally and awaits funding through LWCF. Vital Ground and Y2Y completed purchase of property at near confluence of Yaak and Kootenai Rivers.

FWS and Montana DNRC: Completed an amendment to the DNRC Forest Management Habitat Conservation Plan, incorporating grizzly bear settlement agreement commitments and adding thousands of acres of land to the HCP.

Monitored 16 resident bears within Selkirks and CY for linkage zone movements

Identified a task group to meet in winter 2018 or spring 2019. Annemarie Prince, Wayne Kasworm, Diane Probasco, Lydia Allen, Norm Mertz, Mike Borysewicz, Dave Wrobleski, Ray Entz, Kristen Kaiser, et al.

Monitored 16 resident bears between Selkirks and CY for Linkage zone movements.

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2018 Accomplishments

FWS: Began graduate student study to inventory and map high-use huckleberry shrubfields. Provided maps to UM for evaluation of PNW Trail routes relative to grizzly bear habitat. **Idaho Panhandle NF**: Utilized new habitat quality maps for access management to improve outcomes for grizzly bear habitat in S/CY.



2018 Accomplishments

ices (gates/barriers) and repairing as necessary within our portion of the CYE. **KNF Libby**: Storage and decommissioning work occurred on the last approximately 1.75 miles of search for a grizzly bear whose collar was transmitting a mortality/inactivity signal; eventually located the collar which had dropped off and was not a mortality. **Idaho Panhanc**


2019 Planned Actions**Comments**

MFWP: Attempt to capture and relocate 1-2 bears that fit the criteria of the program in coordination with **USFWS** for the Cabinet Mountains Augementation Program.

MFWP: Continue to engage with communities regarding augmentation program.

Lolo NF: Continue ongoing internal and external training on awareness and safety. **Idaho Panhandle NF:** Continue to partner with Idaho Conservation League and Idaho Department of Fish and Game to grow the bear education events in Bonners Ferry, Sandpoint, and Priest Lake. Continue with the I&E efforts on the Forest including hiring the "Bear Ranger". Installation of 1 additional bear resistant container at Gem Lake. **Kootenai NF:** Ranger district personnel plan to continue I&E efforts. Hoping to have funding for a "bear ranger" but not guaranteed. **MFWP:** Continue to promote the use of bear spray, increase the number of bear spray training programs offered, attend public events and festivals. Continue human-bear conflict response and prevention on private lands and with residents.

MFWP: Work with Lincoln County to find solutions to secure Rexford and McGinnis Meadows waste transfer sites by end of 2019. This would complete all public waste transfer sites in Lincoln County.

Lolo NF: The Plains RD will be making inert bear spray available for the public to test at the front desk if people express an concern about bear safety. MFWP: Continue all previous work and include more bear spray training classes for communities and DNRC.

Lolo NF: all recreation sites already have bear food storage boxes. No additional changes planned. KNF: Rexford/Fortine RD: anticipate installing more food hanging structures at back-country sites. Will install the back-country directional signs depicting locations of food storage poles. Hope to have funding for bear ranger position - is not guaranteed. MFWP: Continue all proactive and reactive aspects of MFWP CYE bear specialist job/program. KTOI plans to continue the electric fence loaner program for Boundary County, ID. KTOI received additional electric fence supplies from FWP, which will be made available upon IDFG request in Boundary County.

Lolo NF: Continue to assist with collection of bear hair at rub trees across the LNF portion of the CYE.



2019 Planned Actions

Comments

Convene task group.



2019 Planned Actions

Comments

FWS: Cooperate with UM on evaluation of PNW trail routes.



Comments

the gated Upper Shafer Creek road (NFSR 4732) which reduces the linear miles of total road in the
the NF: Long-term storage of 3.0 miles of roads in Keno BMU resulting in 336 additional acres of core