Major Developments: 7
Lodging Units: 2,170
Guests per night: 8,300
Campgrounds: 12
Picnic Areas: 52
Gas Stations: 7
Boat Launches: 2
Full Service Marina: 1
Hiking Trails: >1,000 miles
Boardwalk Trails: 15 miles
300 Backcountry Campsites
Capacity of 3,112 People & 1,165 horses/night
Yellowstone National Park Visitation - 2022

3.29 Million Visits
92% of visits occurred May – October
16,478 visits per day

Photo: N. Nichols
Campsite Overnight Stays

474,929 Overnight Stays in Roadside Campgrounds

34,714 Overnight Stays in Backcountry Campsites

Photo: N. Nichols
Yellowstone National Park

2.2 Million acres
<1% Paved or Developed
92% Proposed Wilderness
Conflict Prevention – 2022

Photo: N. Nichols
YCC, MCC, GROUND WORK USA Youth Work Programs & YNP Bear Management Staff Installed 172 Bear-proof Food Storage Lockers in 2022

1,346 of 1,914 (70%) Campsites Now Have Bear Boxes
8 of 11 Campgrounds Completed
Food Storage Lockers are Installed by High School Age Youth Which helps Promote a Conservation Ethic In The Leaders Of The Future
297 Designated Backcountry Campsites
A Food Storage Device is Provided at all 297 Backcountry Campsites

Food Storage Pole (n=257)
Food Storage Locker (n=40)
Posted 14 areas with Bear Warnings due to Grizzly Activity in Visitor Use Areas
Posted 20 Trail/Area Closure Due to Grizzly Activity In Visitor Use Areas
Carcass Management

Moved 83 Large Mammal Carcasses From Visitor Use Areas in 2022
28 Elk
22 Mule Deer
20 Bison
6 Black Bear
3 Coyote
1 Moose
1 Pronghorn
1 Domestic Mule
Management Hazing: 58 incidents
Bean Bag Rounds
Rubber Bullets
Cracker Shells
Hazed Bears:
43 Off of Primary Roads
15 Out of Developments
Bear-jams Reported:

396 Grizzly Bear

587 Black Bear

3 Species Not Reported

Total: 986 Bear-jams
Park Staff Managed 251 of 396 Grizzly Bear-jams

No Park Staff Present at 145 (37%) of Bear-jams
587 Black Bear-jams

Park Staff Present at 498 (85%)
Staff Hours Managing Grizzly Bear-jams

Grizzly: 1,104 hours
Average: 4.4 Staff hours per grizzly jam
Black Bear: 1,363 hours
Average 2.7 staff hours per black bear jam

Total Staff Hours
Grizzly & Black Bears Combined : 2,468 staff hours
Need to Develop Better Ways to Promote Proper Bear Viewing Etiquette Among Park Visitors
Is Your Photo Worth Scaring a Cub?

Please Stand Back At Least 100 Yards!
28 Reported Backcountry Human-Grizzly Bear Encounters
Grizzly Bears Responded by Charging: 3 (11%)

Bears did not make contact in any of the 3 incidents.
Bear Spray Deployment - 2022

- Bear Spray Deployed 4 Times on Grizzlies
- Grizzlies did not make contact in any of those 4 incidents
Bear Spray Surveys - 2022

Percent Carrying Bear Spray:

Backpackers: 91% of people
97% of groups

Day Hikers: 30% of people
54% of groups
Hiking Group Size Recommendation: 3 or more

Backpacker Most Common Group Size = 2
Day Hiker Most Common Group Size = 2
Human - Grizzly Bear Conflicts 2022

Property Damage No Food Reward: 0
Human Food Obtained: 3
Human Injury: 0

Total Conflicts: 3
Human-Grizzly Conflicts 1968 - 2022

Average no. of human-grizzly bear conflicts/year

- Human injuries/fatalities
- Property damage/anthropogenic foods

Time period:
- 1968-69
- 1970-72
- 1973-79
- 1980s
- 1990s
- 2000s
- 2010s
- 2020s
Management Capture & Relocation: 0
Management Removals of Conflict Bears: 0
Grizzly Bear Management Actions

Bear Warnings Posted: 14
Temporary Closures: 20
Wildlife Carcass Removal: 83
Bear-jam Management: 251
Hazing: 58
Capture & Relocate: 0
Capture & Remove: 0

Total Management Actions: 426

Photo: E. Johnston
Vehicle Strike Mortality: 0
Natural Mortality: 4

Indicative of density dependent factors influencing bear survival in the park
Human-caused Grizzly Bear Mortality in YNP 2009 – 2022
(n = 13, average = 0.9 per year)

Management Removal - Backcountry Conflicts: 8 (62%)
Vehicle Strike Mortality: 4 (31%)
Management Removal from Developed Sites: 1 (8%)
Risk of Bear Attack 1979 - 2022

All Visitors Combined: 1 in 3.5 million visits

Front-country Recreation: 1 in 67.4 million visits

Camping in Roadside Campground: 1 in 28.7 million overnight stays

Camping in the Backcountry Campsite: 1 in 1.8 million overnight stays

Hiking in the Backcountry: 1 in 267,000 backcountry recreation days

Backcountry Recreationalists: 1 attack per 91 backcountry encounters

Photo: b. Ertel
Grizzly Bear Reactions to Encounters 1991-2022

7,379 Encounters Reported
Flee: 33%
Neutral: 55%
Curious: 3%
Stress/Warning: 4%
Attack: <1%
Risk of Black Bear Attack 1979 - 2022

All Visitors Combined: 1 injury per 27.0 million visits
Front Country Recreation: 1 injury per 134.9 million visits
Roadside Campground: 0 injuries in 28.7 million overnight stays
Backcountry Campsite: 1 injury per 606,000 overnight stays
Backcountry Hiking: 1 injury per 1.3 million backcountry hiking days
Grizzly Bear Inflicted Human Injuries Per 1 Million Visits Per Decade

<table>
<thead>
<tr>
<th>Year</th>
<th>Injuries Per One Million Visits</th>
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<tbody>
<tr>
<td>1930's</td>
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<tr>
<td>2020's</td>
<td>0.5</td>
</tr>
</tbody>
</table>
YNP’s First Grizzly Bear Sighting of 2023: March 7th

Be Safe!

Hike in Groups of 3 or More People
Make Noise to Forewarn Bears of Your Presence
Carry Bear Spray & Know How to Use it
Be Vigilant for Bears
Severe Winter 2022/2023
High Ungulate Winter-kill
Watch for Bears on Carcasses
The End

NPS Photo: D. Schneider