

Overview of subsistence uses of wildlife in Region III



Oral report to the Board of Game
March 2024

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Subsistence Section

RC 4: Oral Reports, tab 1.3

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Outline

- Subsistence research in Region 3
- Region overview
- Harvest composition by GMU
- Local concerns
- Region-wide subsistence patterns



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Region 3 subsistence research

- Subsistence research tools
 - Comprehensive harvest surveys
 - Baseline estimates of harvest and use in previous year
 - Search and harvest area maps
 - Assessment of change
 - Demographics, food security, income/employment



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Region 3 subsistence research

- Subsistence research tools
 - Traditional Ecological Knowledge
 - Context for survey data
 - Traditions and practices
 - Changes over time



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Region 3 subsistence research

- Topical research
 - Customary trade & barter
 - Intensive Management in Upper Koyukuk
 - Ceremonial harvest
- Support Boards of Game and Fisheries
 - Customary and traditional use worksheets (C&T)
 - Amount necessary for subsistence (ANS)
 - Staff comments/analysis and review



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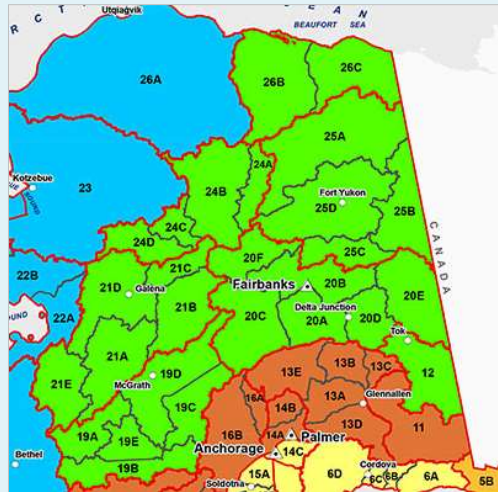
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Region 3 overview

- 71 communities



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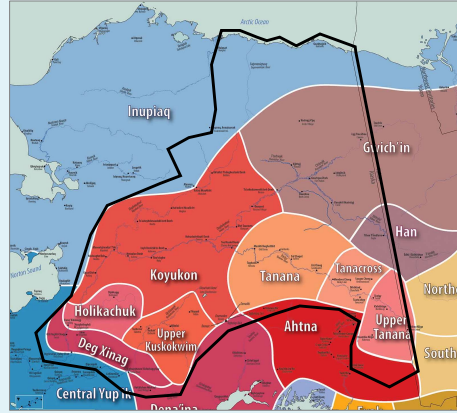
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Region 3 overview

- 71 communities
- Different cultural and traditional use patterns



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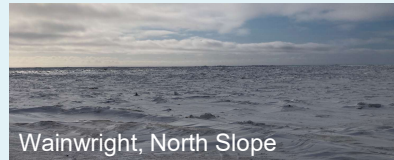
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Region 3 overview

- 71 communities
- Different cultural and traditional use patterns
- North slope coastal plain, Yukon and Kuskokwim drainages



Wainwright, North Slope



Huslia, middle Koyukuk



Nikolai, upper Kuskokwim



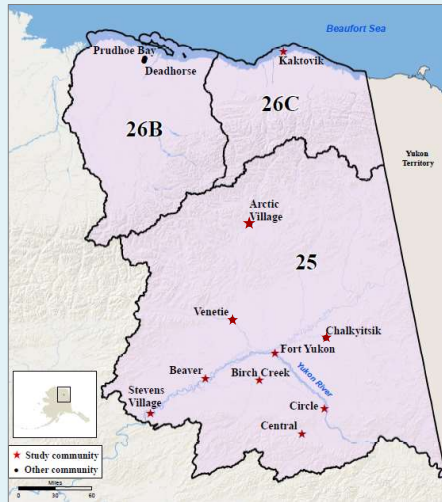
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Units 25 and 26B,C



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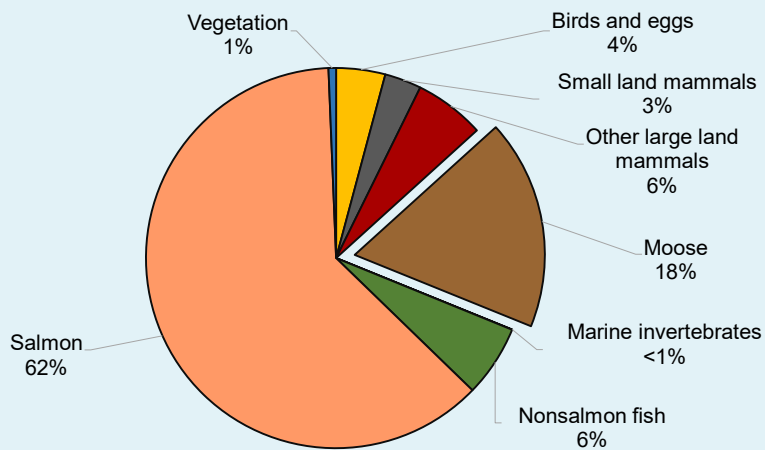
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Subsistence harvest composition

Unit 25, Fort Yukon, 2017



Estimated pounds of edible weight

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Unit 25

- Local concerns
 - Salmon declines
 - Low moose harvest in Yukon Flats
 - Hunt quality Steese Highway Fortymile caribou



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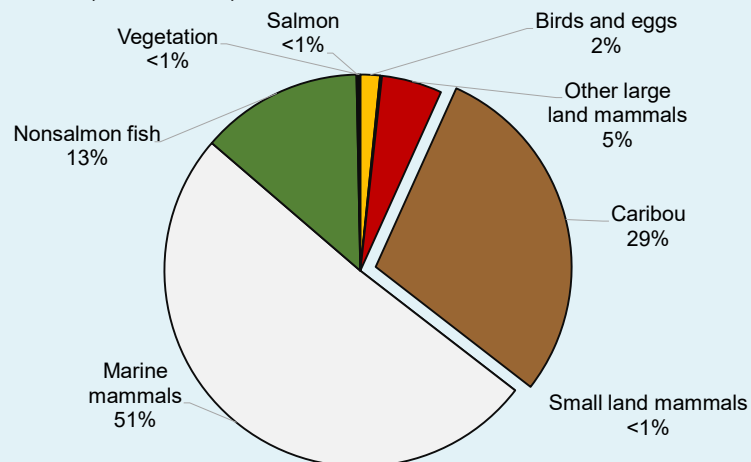
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Subsistence harvest composition

Unit 26C, Kaktovik, 2010



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Unit 26B/C

- Local concerns
 - Porcupine caribou migration
 - Polar bears in community



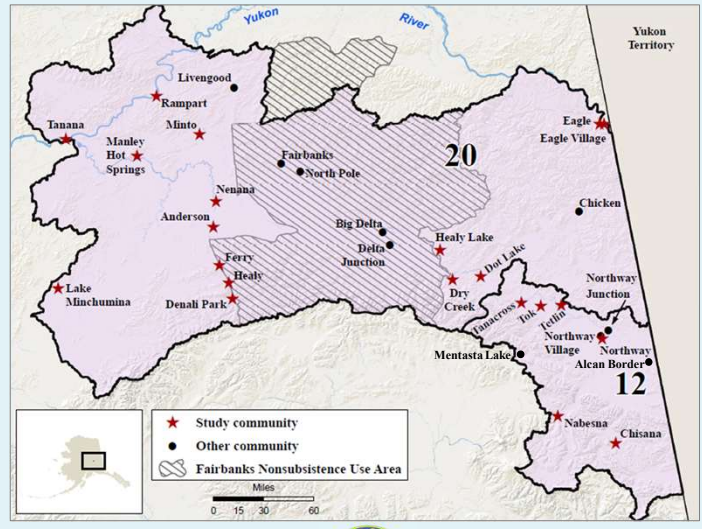
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Units 12 and 20



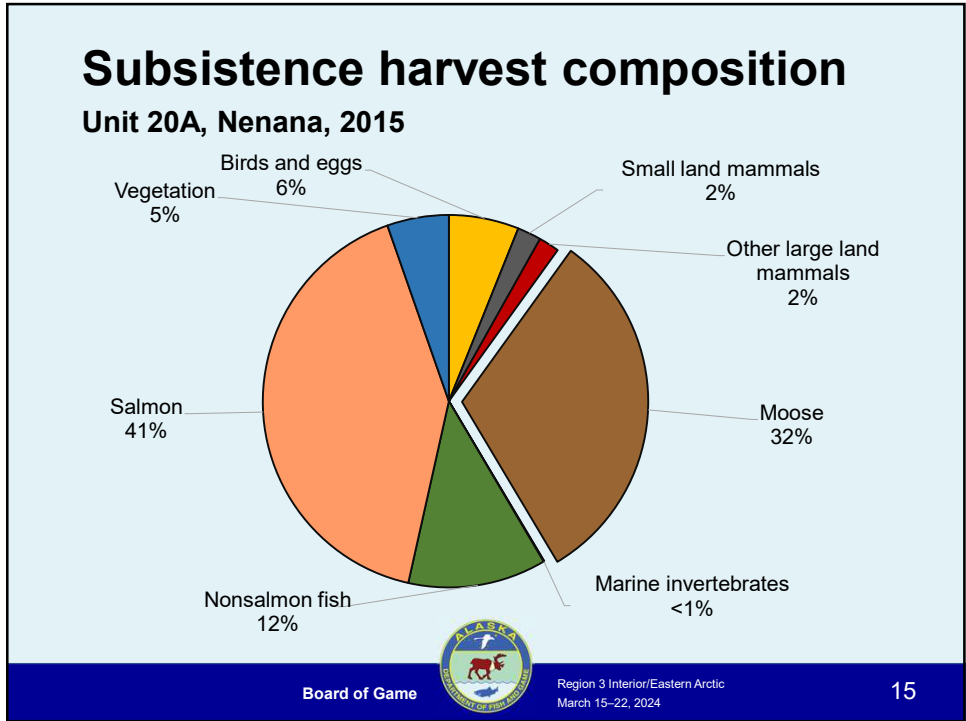
Units 12 and 20

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Units 12 and 20

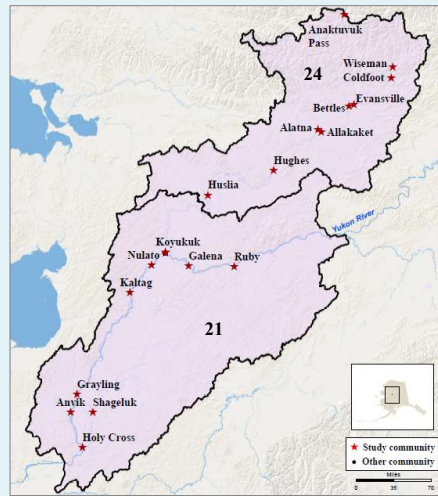
- Local concerns
 - Road-connected communities
 - Competition, trespass
 - Cultural norms—antlerless moose
 - Ceremonial harvest/sharing



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Units 21 & 24



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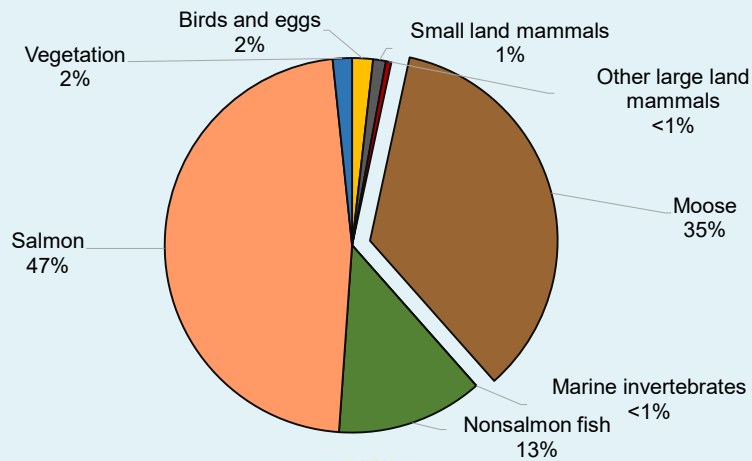
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Subsistence harvest composition

Unit 21, Kaltag, 2018



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Unit 21

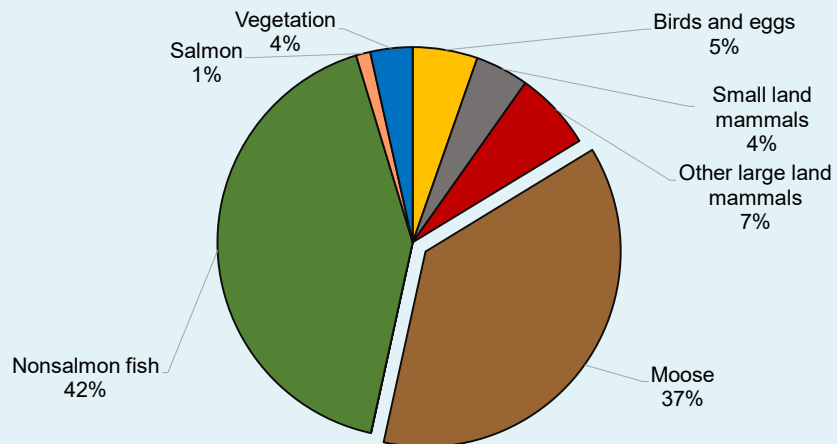
- Local concerns
 - Salmon declines
 - Season extensions/bag limit increases
 - Competition



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Subsistence harvest composition

Unit 24D, Huslia, 2022



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Unit 24

- Local concerns
 - Salmon declines, chum die-off
 - River temperatures, permafrost thaw, erosion



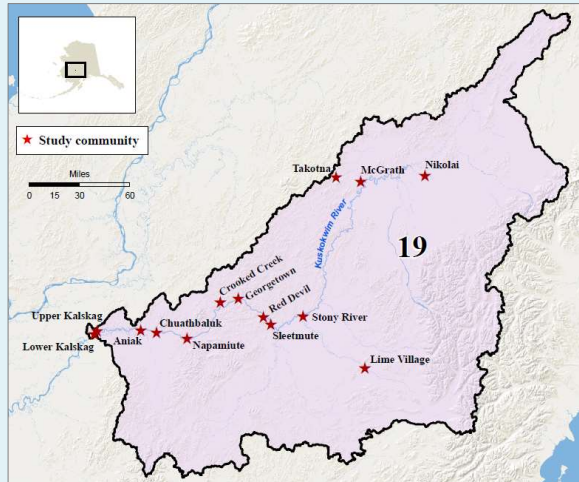
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Unit 19

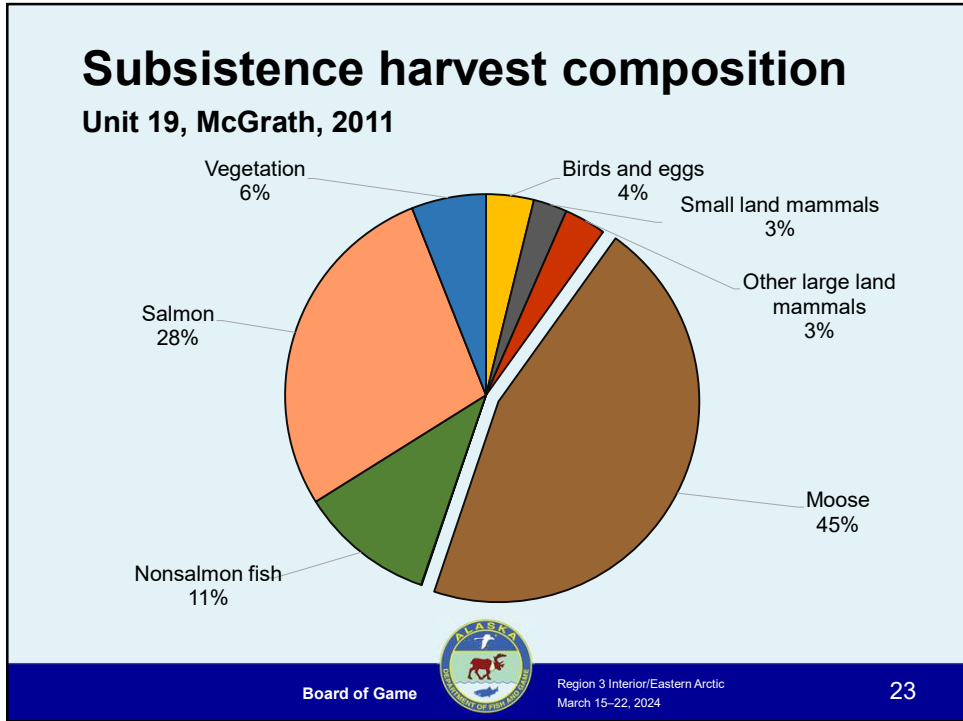


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Unit 19

- Local concerns
 - Moose declines, Tier II
 - Dall sheep declines



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Subsistence patterns

- Concentration of harvest effort
- Distribution of harvested resources

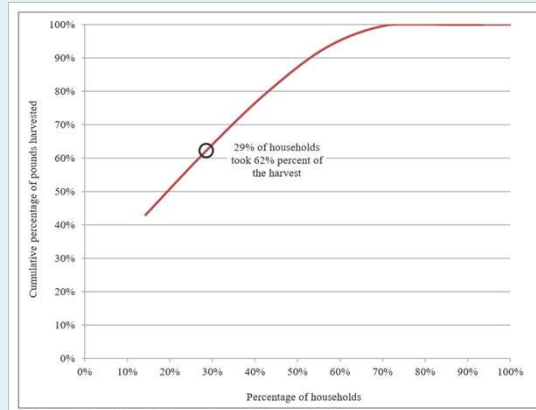
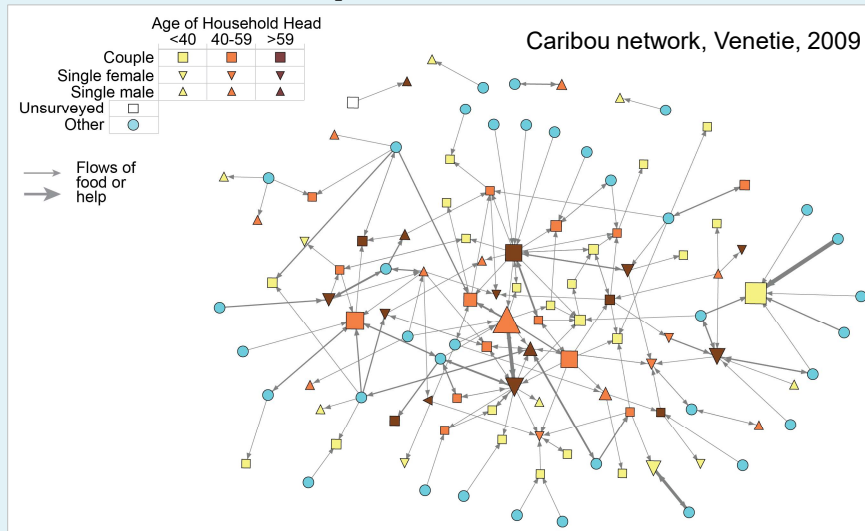


Figure 3-23.—Household specialization, Rampart, 2014.

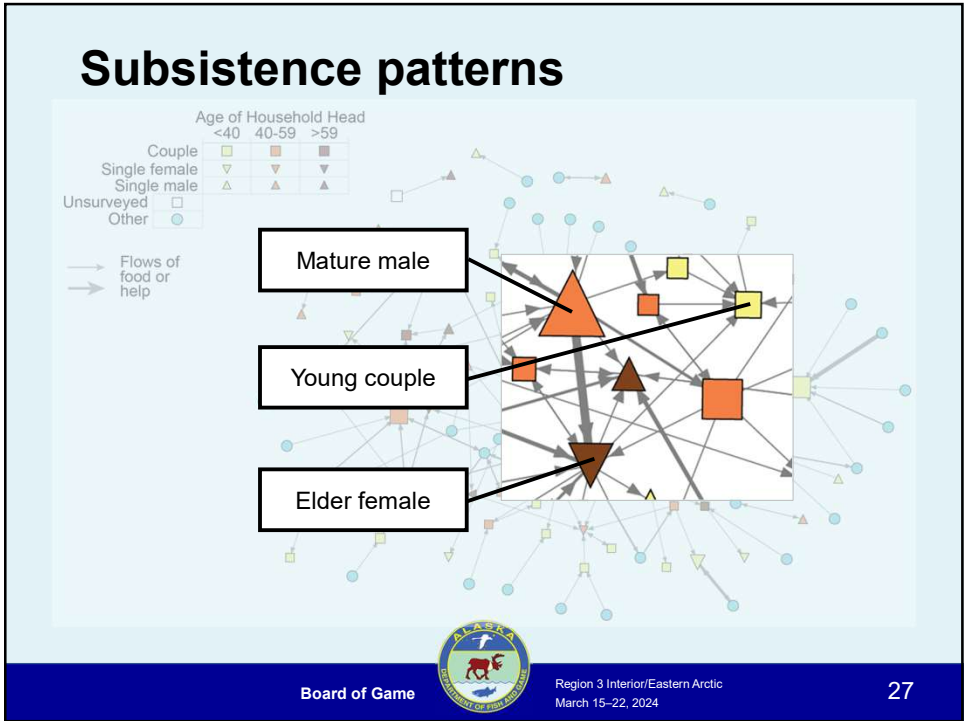


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Subsistence patterns



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Subsistence patterns

- The importance of subsistence goes far beyond nutrition
 - Cultural/spiritual

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Subsistence patterns

- The importance of subsistence goes far beyond nutrition
 - Cultural/spiritual
 - Social/relational



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Subsistence patterns

- The importance of subsistence goes far beyond nutrition
 - Cultural/spiritual
 - Social/relational
 - Economic




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Questions



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