

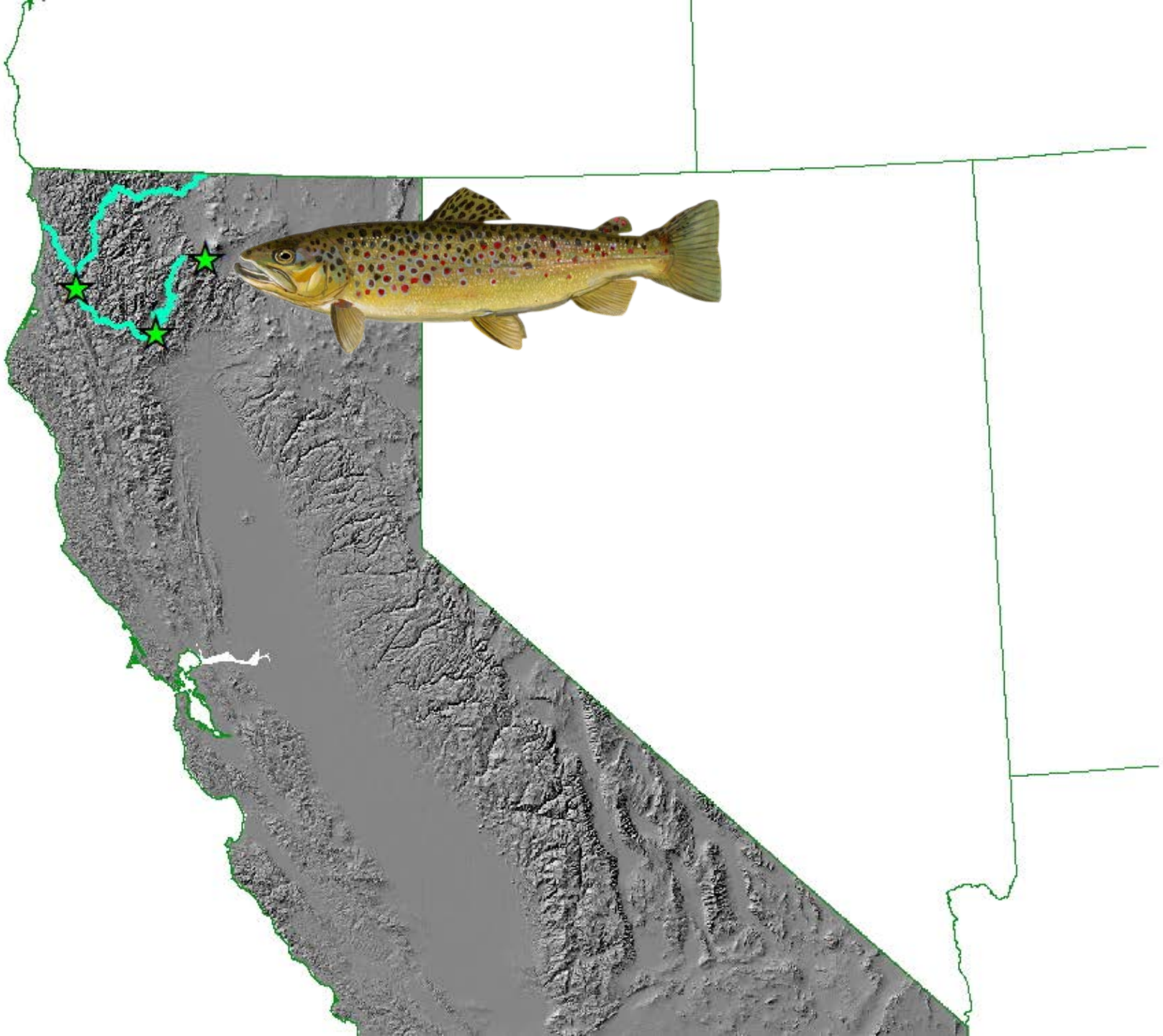
Investigating predation by introduced Brown Trout on native salmonids in the Trinity River, CA

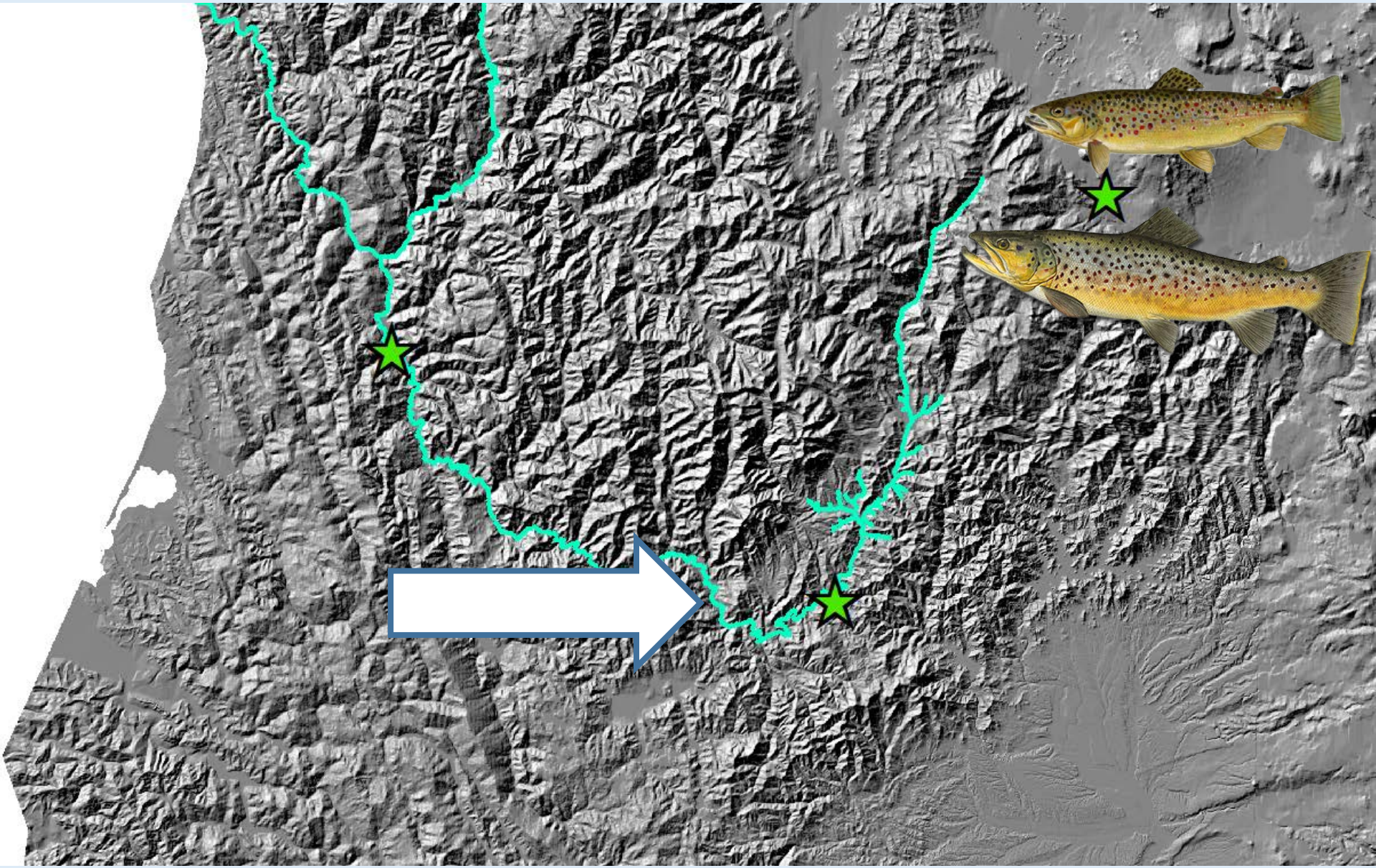


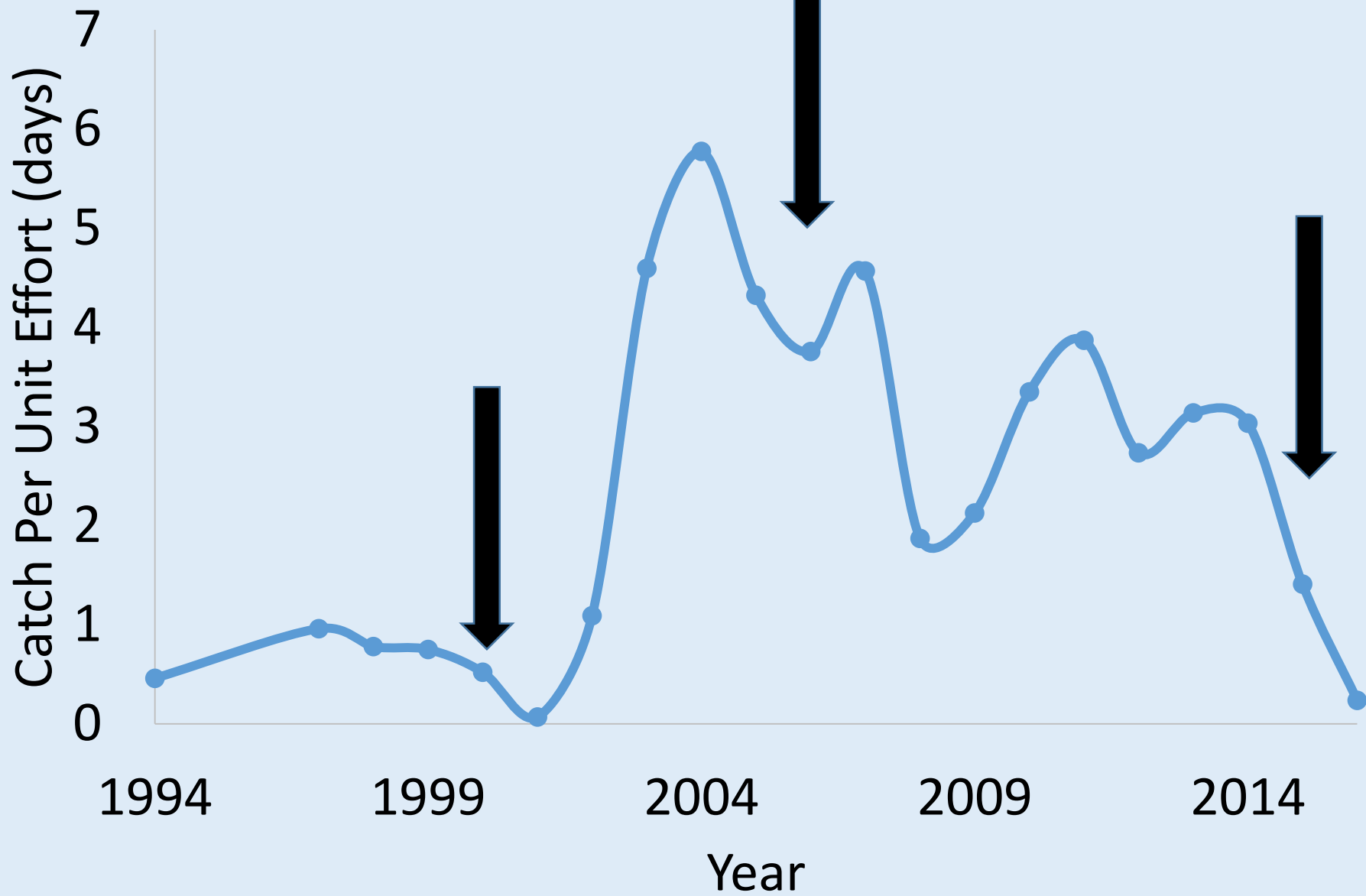
Justin Alvarez

How Many Fish Would A Brown Trout
Eat If A Brown Trout Could Eat Fish











1 Brown Trout of each Age 2-12

Select Size

Select Growth Rate

Consumption by a single fish for each day

Population size by age

Proportion still alive

Consumption for that population for that Day

Sum of daily consumption by size class

Yearly Population Level Consumption

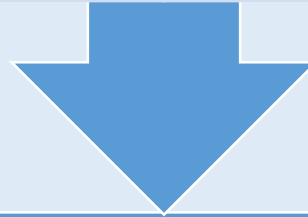
Proportion of Diet Prey Items

Biomass Of Prey Consumed

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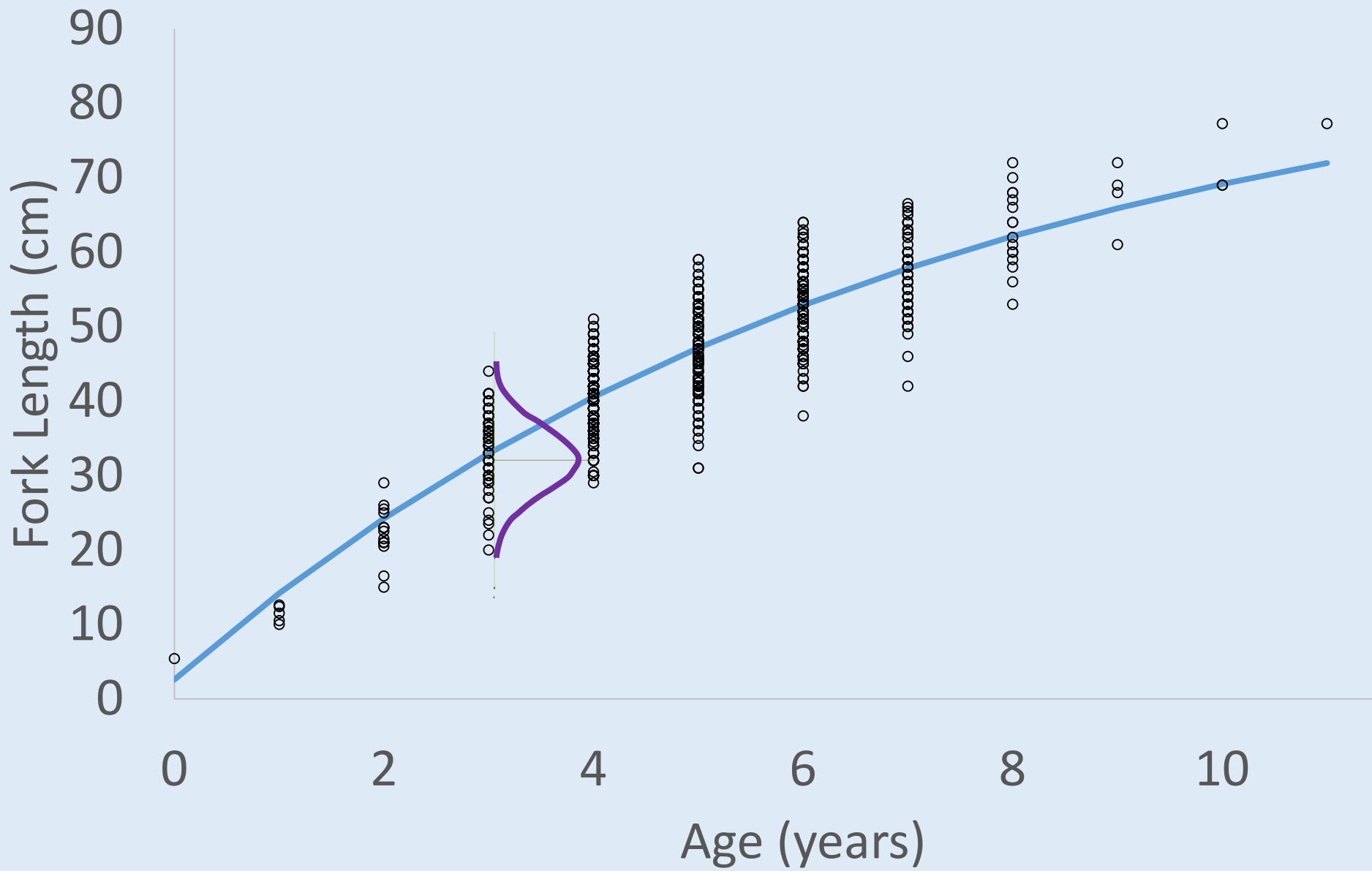


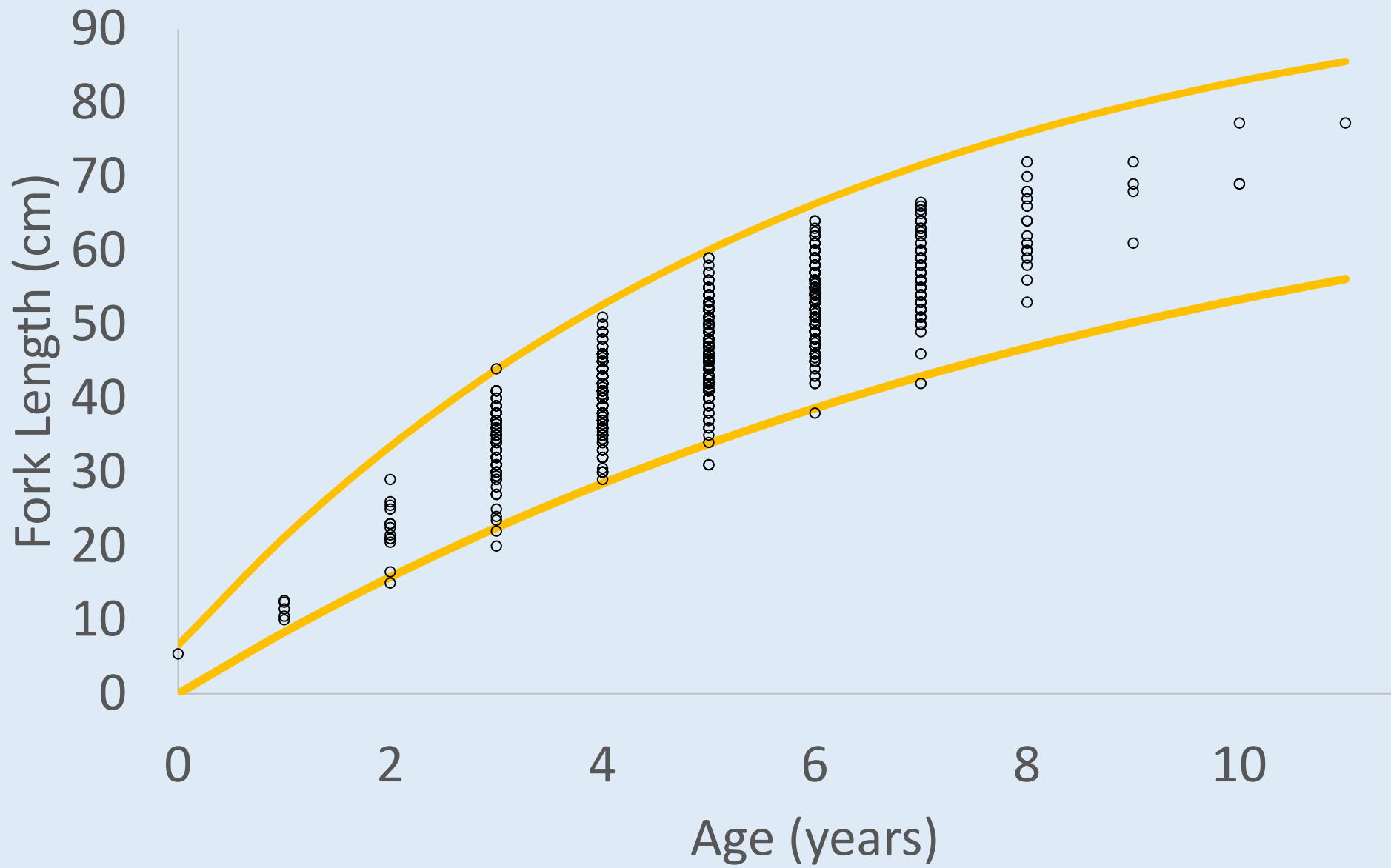
Yearly Population Level Consumption

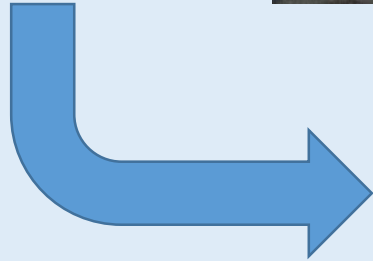
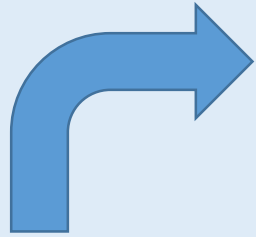
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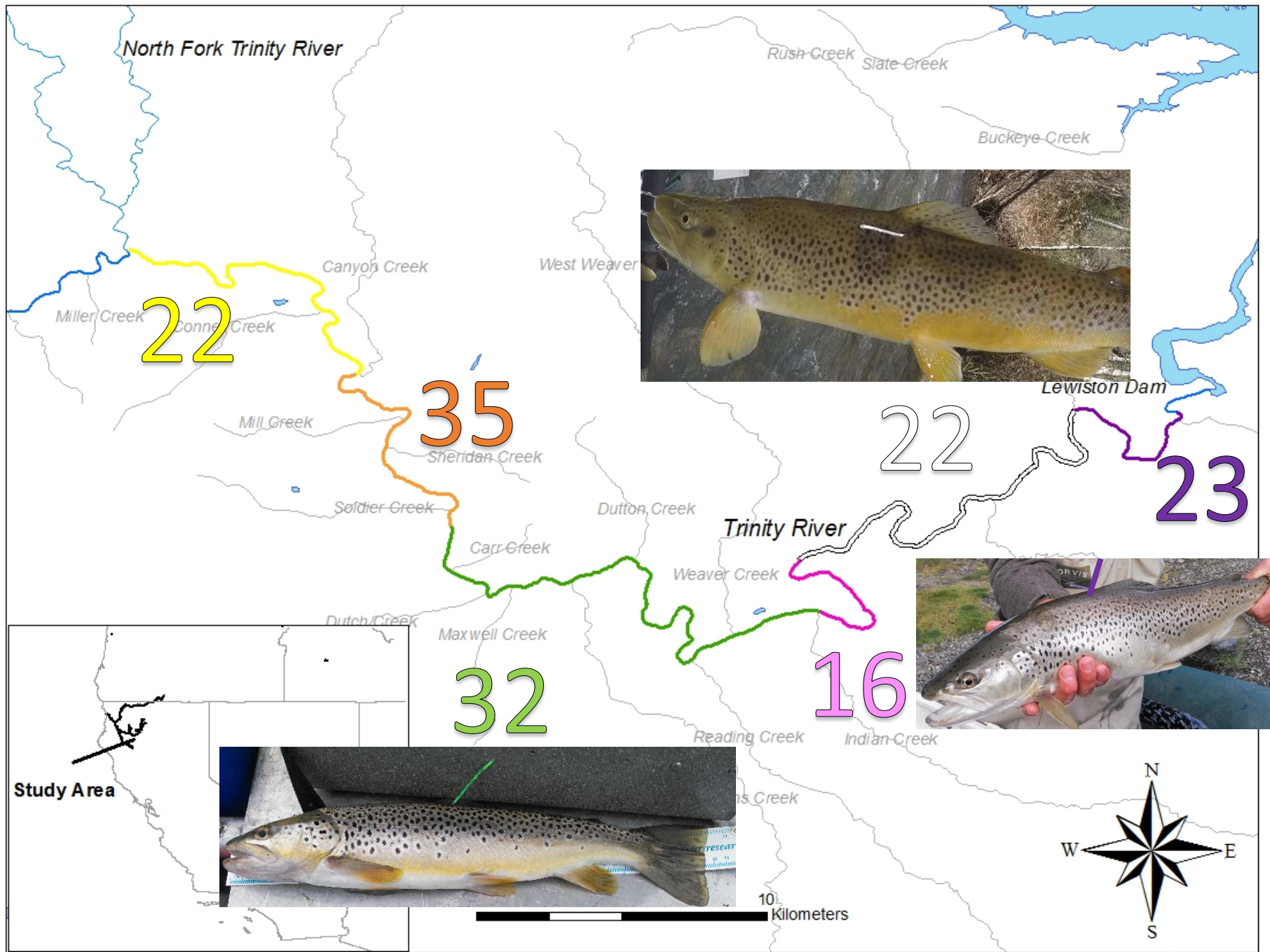
Consumption for that population for that Day

Sum of daily consumption by size class

Yearly Population Level Consumption

Proportion of Diet Prey Items

Biomass Of Prey Consumed



22

35

22

23

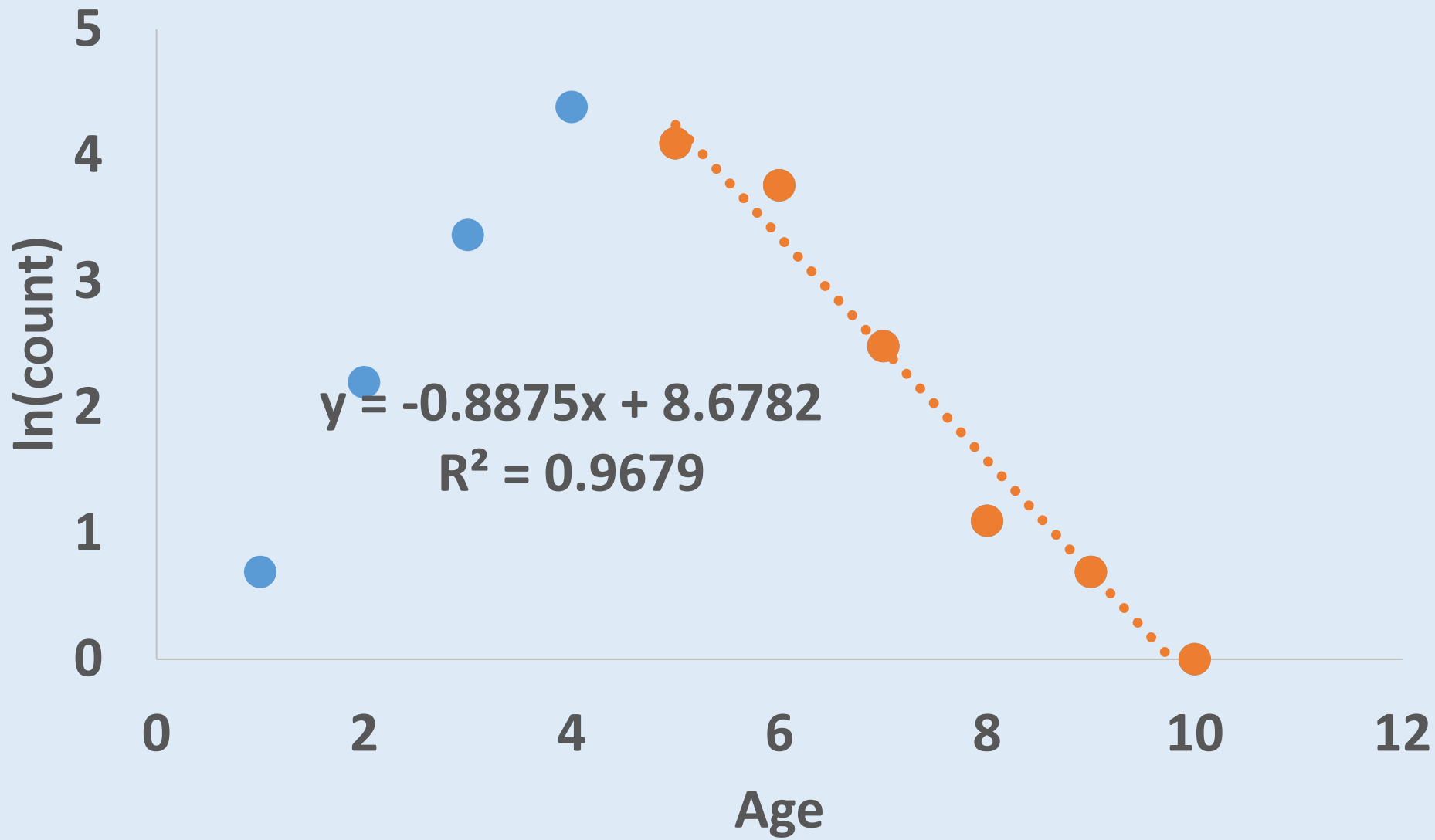
32

16

Study Area

10 Kilometers





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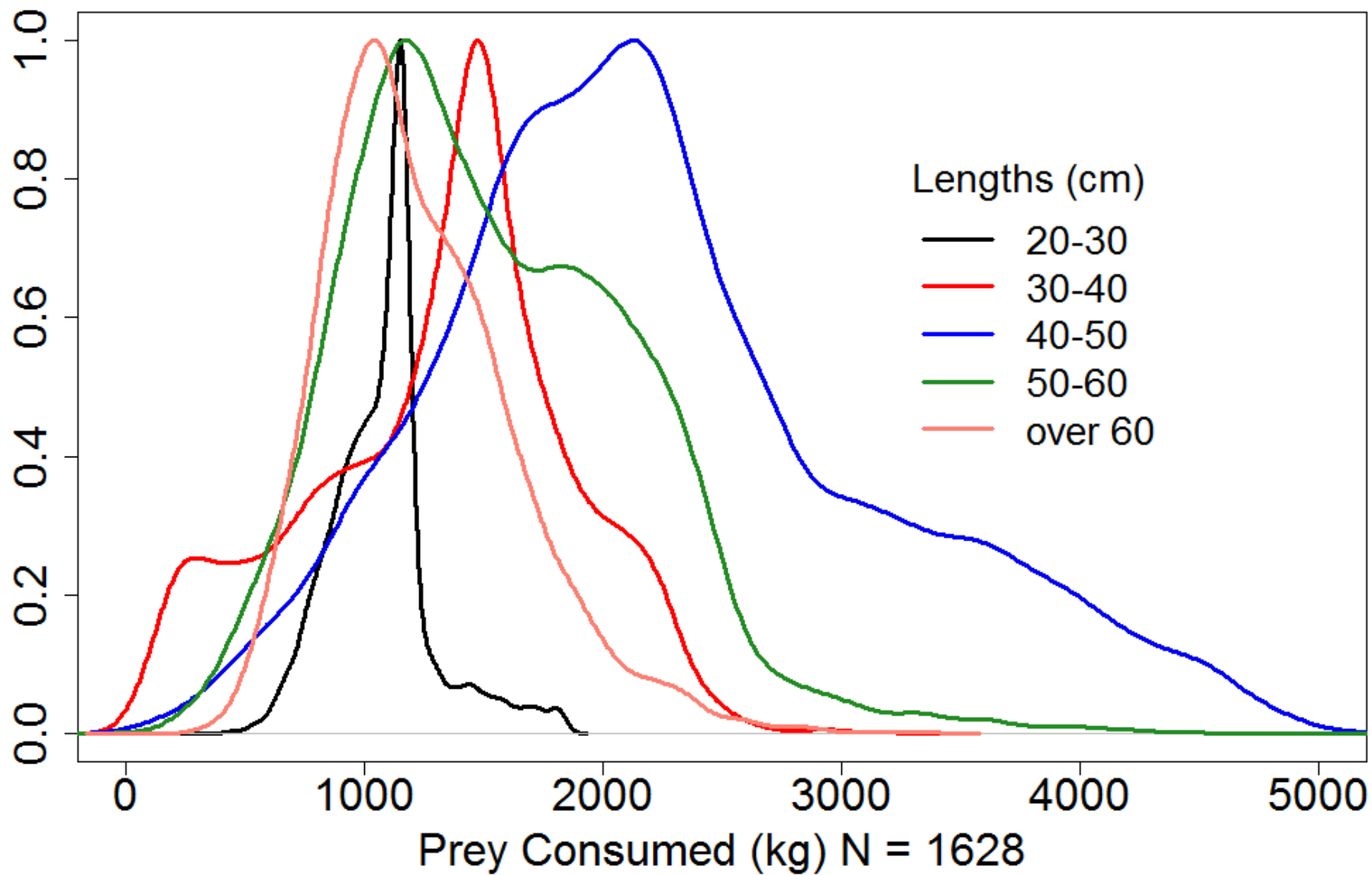
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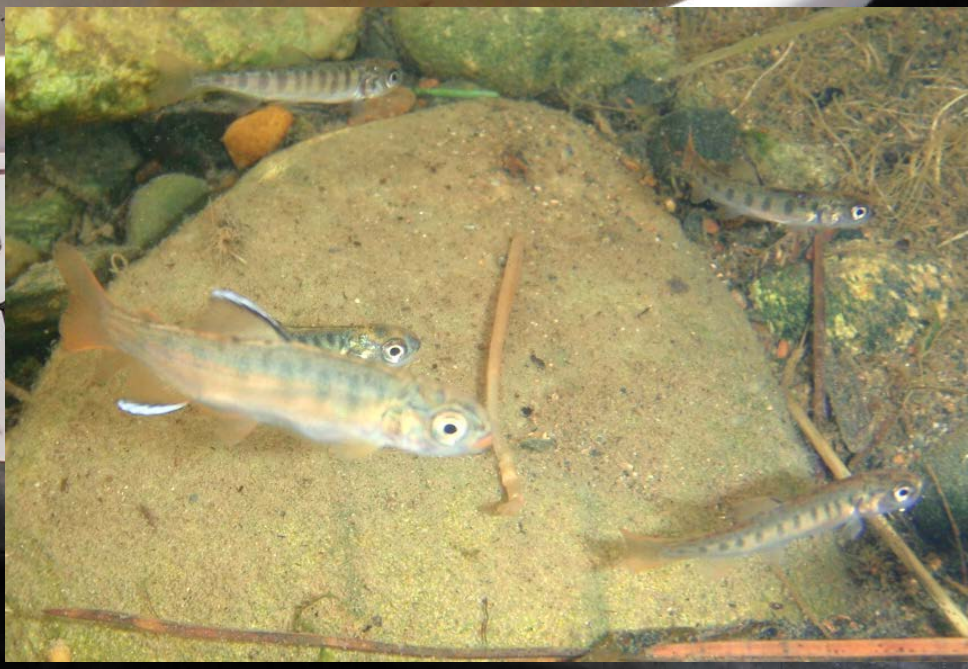
Biomass Of Prey Consumed



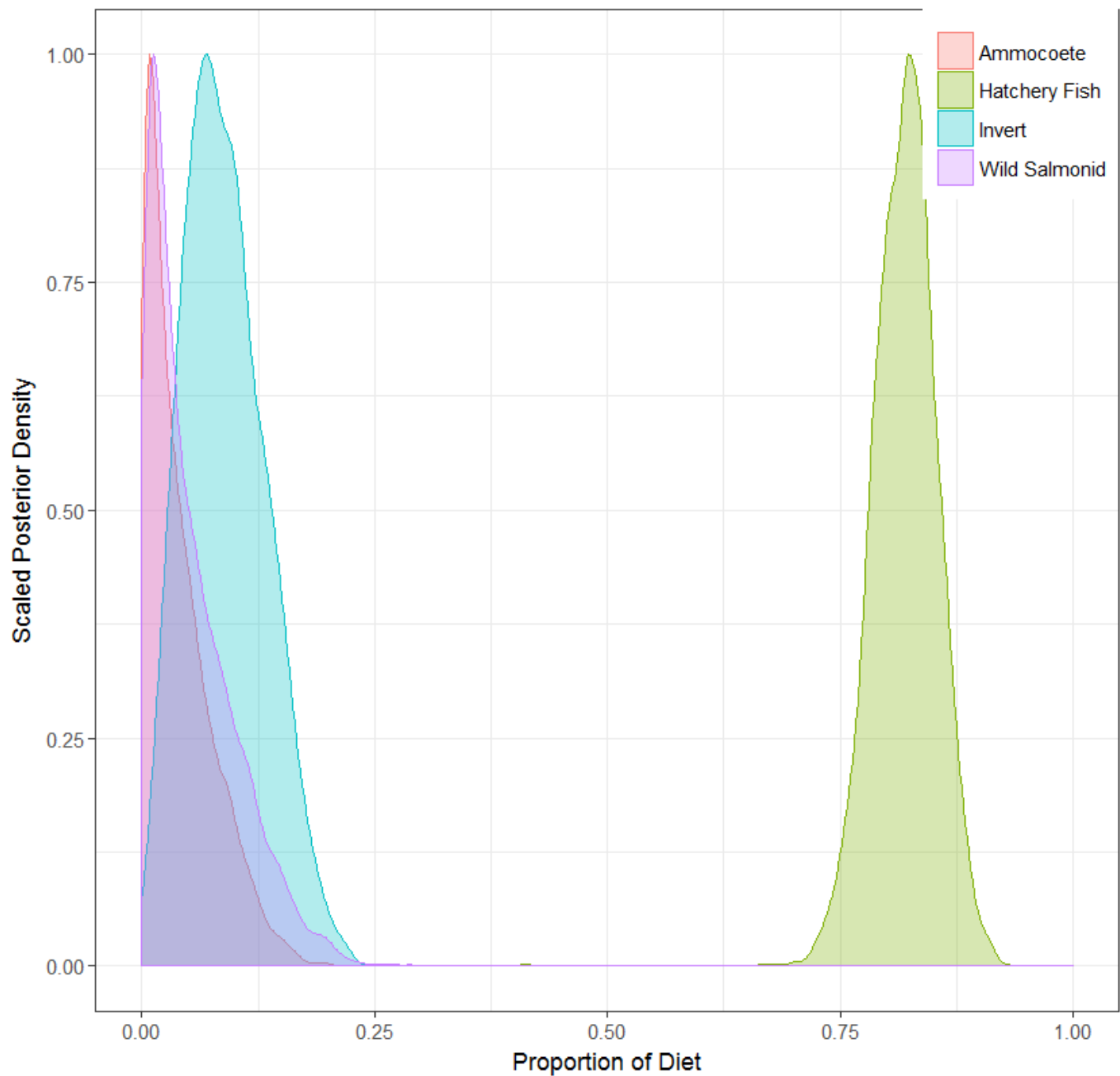
Trout

Barf Bucket

- Lamprey
- Pacific Giant Salamanders
- Yellow Legged Frogs
- Three-spine stickleback
- Speckled Dace



Group 5



1 Brown Trout of each Age 2-12

Select Size

Select Growth Rate

Consumption by a single fish for each day

Population size by age

Proportion still alive

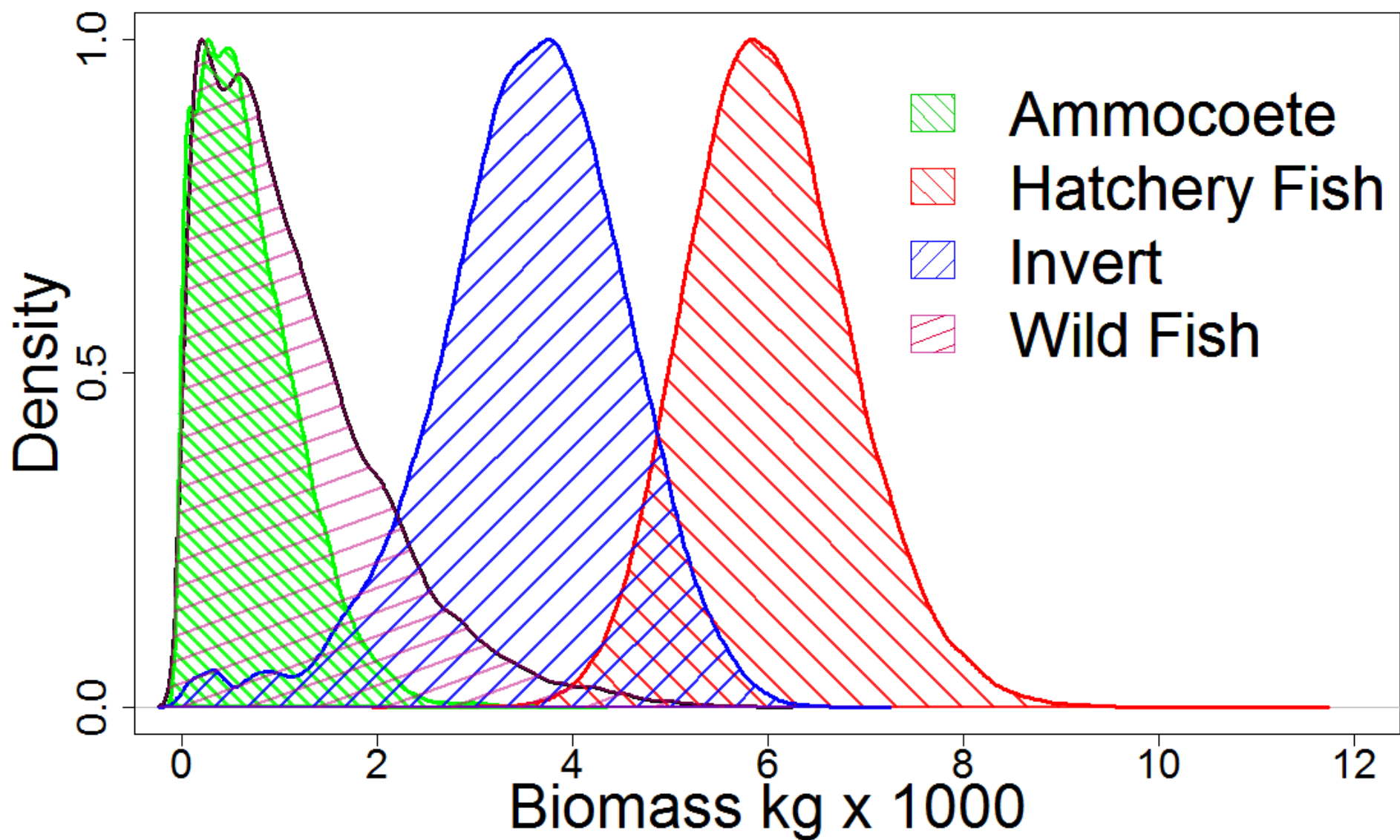
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Proportion of Diet Prey Items

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What does that mean?

- 6,000 kg of hatchery fish
- 1,000 kg of wild fish
- 600kg ammocoetes

Questions?

