For the food chain in my surrounding area, since there is a lot of fishing around here, I based it off of that.

Phytoplankton (small plants) > Menhaden (small fish) > Bass (bigger fish) > Fisherman

I think you will find humans typically at the top of the food chain and food webs. It’s because humans have a lot of different skill sets and strength. Humans are also built for endurance and can hurt many animals down. Food chains are just one path of who eats who. Food Webs are better than food chains, because they give off a better look of how not just, he food but how the energy is in the ecosystem.

When I see the Lake Michigan Food Web I see I lot of important parts and producers in the ecosystem of this body of water, whether if it’s Calanoids being consumed by Slimy Sculpin or Opossum Shrimp being consumed by a Bloater fish. Everything is important because it plays an important role in the ecosystem and provides life for other living things on the food web. The impact humans would have is that we would be at the top of the web, and be the number one consumers over Sea Lampreys. The food web would also add another section to the food web by having Piscivores and Forage Fish pointed to it. If a new prey like a Sea Lamprey comes into the ecosystem it will give the Sea Lamprey competition of it being the number one consumer, and it may even become second or even be consumed by the new introduced prey, or the Sea Lamprey may consume the new prey. I don’t think we should eradicate the species because it will affect the ecosystem, and the balance of Lake Michigan.

*Food Chain | NC DEQ*. (n.d.). NC Dept. of Environmental Quality. <https://deq.nc.gov/about/divisions/marine-fisheries/public-information-and-education/kids-educational-pages/food-chain>

*How did humans become the top of the food chain if we are so weak and slow? We cannot fight other apes nor predators. Was it due to our r...* (n.d.). Quora. <https://www.quora.com/How-did-humans-become-the-top-of-the-food-chain-if-we-are-so-weak-and-slow-We-cannot-fight-other-apes-nor-predators-Was-it-due-to-our-reproduction-abilities>

*Food Chains and Webs | National Geographic Society*. (n.d.). <https://education.nationalgeographic.org/resource/resource-library-food-chains-and-webs>

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| --- | --- | --- | --- |
|  | Employee has run a computer security scan in the past 60 days. | Employee has NOT run a computer security scan in the past 60 days. | Total |
| Employee has installed the latest patches to the operating system on their computer. | 64 | 194 | 258 |
| Employee has NOT installed the latest patches to the operating system on their computer. | 206 | 36 | 242 |
| Total | 270 | 230 | 500 |

* A company employee has **not** run a computer security scan in the past 60 days: 230/500 = 23/50 = .46 = 46%
* A company employee has **not** installed the latest patches to the operating system on their computer: 242/500 = 121/250 = .484 = 48.4%
* A company employee has **not** installed the latest patches to the operating system on their computer and has run a computer security scan in the past 60 days: 206/500 = 103/250 = .412 = 41.2%
* A company employee has installed the latest patches to the operating system on their computer and has **not** run a computer security scan in the past 60 days: 194/500 = 97/250 = .388 = 38.8%

I think a security breach is high at this point and time for the company. Having the latest patches is great and especially if you run the security risk with it, but there are less than 25% that has done both. If they have the latest patch, it will be beneficial to run the scan, but they haven’t and if they run the scan without the latest patch that wouldn’t beneficial either because the scan wouldn’t pick up the new threats.

Hello Zachary, I agree with you when you said it was hard to pick which producer is more important. I think the decision was hard because everything on the food web plays an important role on the web. Each single thing helps with the ecosystem of another thing. . The impact humans would have been that we would be at the top of the web, and be the number one consumer over Sea Lampreys. The food web would also add another section to the food web by having Piscivores and Forage Fish pointed to it. I also agree with you about a new predator coming into the ecosystem.