

Episode Score Report for SARASCANDLON

Episode 1 Balancing Ecosystems:

Results

Environmental Balance (E):93/100

Business Balance (Ec):89/100

Social Balance (S):84/100

SimApp Game Rank:



Rank: Eco-Hero

Episode Reflection Responses

Question 1:

Outline what your next steps will be once you have gathered input from the community:

Target Word Count: 100-300 words

Actual word count: 109 words

When I have accumulated contribution from the group I will lead my team to additionally look at the balance and imbalance in the Tri-valley's biological system and actualize the effect off an obtrusive species on the environment.

This being said I will first

1. Figure the effect of the species in our exisisting ecosystem
2. Measure what the long haul effect is of this obtrusive species
3. Apply what I comprehend of how these orgonisms in our biological communities collaborate

lastly

4. Apply the ideas of regular choice and progression

Those are the steps I will take once I have gathered the information I need from the community .

Question 2:

List two possible solutions to the grass carp problem and include a short description for each.

Target Response Word Count: 100-300 words

Actual word count: 212 words

Four possible solutions to the Grass Carp invasion problems are as follows. First solution is to put chemicals in the water and kill all life in the water, this will get rid of the carp but it will also get rid of all the native species in the water also. The next possible solution could be making the limit of carp being caught higher than it already is. This will be good to help get rid of the carp by fisherman but also is bad because carp is not good to eat, I don't know how many people will come and actually fish for the carp. The next solution would be have a tournament for carp and have all the carp caught sent to the Asian community because carp is big in the Asian community. The advantage of that is money for the community from the fishing tournament and also selling the carp to the Asian community a disadvantage to this is how many people will actually want to come and enter the tournament. The last and final solution to the Grass Carp invasion is to lower the use of the fertilizer by the farmers so the plant life that the carp feed on will start to diminish and not grow back.

Question 3:

Add two pros and two cons for each of your two possible solutions.

Target Response Word Count: 100-300 words

Actual word count: 106 words

The pro's are the complete eradication of all Asian Grass Carp. Which in turn would allow the indigineous species of sh to reproduce the way they are supposed to without interference . Hopefully this would, over time, allow the ecosystem to rebuild itself back to the way it was before the Asian Grass Carp invasion. However, then we would face the initial problem again of too many weeds in the resevior. The con's being that we can't nd a poison or something to affect only the Asian Grass Carp and it kills off all of the sh population. That would be a huge problem as well.

Question 4:

Select one of your solutions as a recommendation to the Mayor and explain why you think it's the best option.

Target Response Word Count: 100-300 words

Actual word count: 76 words

To start off the attempt to solve this problem, we should start with the incentive program toward the local fishing community. If we can get enough people to catch and kill the Asian Grass Carp we could solve our immediate problem. If it doesn't work we can move on to the option of total eradication of the Asian Grass Carp, but the incentive method would be a safer, quicker, and less costly option to try first.

Question 5:

How did the concept of natural selection and succession factor into the Grass Carp problem?

Target Response Word Count: 100-300 words

Actual word count: 65 words

Natural selection was a factor, being the Asian Grass Carp took over the reservoir and overpopulated the lake, causing the other fish to fall behind in reproduction and food sources. Natural selection took place because the Asian Grass Carp were introduced to the lake to begin with. If other alternatives for weed reduction had been researched we could have avoided this issue all together.

Question 6:

How would you protect the Sparksville reservoir ecosystem from invasive species in the future?

Target Response Word Count: 100-300 words

Teaching the local sherman, farmers, and even high school kids what happens when the choioe was made to introduce an exotic sh to the lake. will make for more knowledgable people within the community as well as aitemati'u'e choices being researched and entertained prior to taking action. The original problem would have been a lot easier to solve. than the one we just faced

Activity Breakdown

Activity	Score		
	E	Ec	S
Ecosystem Balance Definition	10	5	5
Community Input Checklist	4	3	4
Key Issues Flipchart	0	5	4
Next Steps Decision	2	1	1
Best Student Quiz	2	--	--
Balance the Ecosystem! Game	25	25	20

Learning Objects Viewed

Number	Description	Views
1	Grass Carp Report	2
2	Scientific Method	1
3	Scientific Method T/F Sheet	1
4	The Biosphere	1
5	Range of Tolerance	1
6	Simplified Grazer Food Chains	1