

UPLAND BIRD BIOLOGIST

STUDENT NAME:	CLASS:	DATE:
YOUR WILDLIFE AREA'S NAME:		
Greetings, Biologist!		
Upland game birds are a family of heavy that reproduce quickly, have tasty game favorite for the hunter. And thanks to go practices, some upland gamebirds have size – such as the North American Turke members, you know it's not from just creopportunities in wildlife areas. You know that population sizes can be also affected diseases, and human-conflicts. Addition a capacity to the number of animals that If there are too many animals in an arcrash from starvation! And if too many a hunters, the populations will not grow to role is vital! With your research and man birds will beat the odds and grow to the	meat, and are a classic pod wildlife management increased in populations by! Unlike your team the eating habitat or hunting the from wildlife research the do yover-predation, anally, you know there is the a habitat can support the eat the population could animals are taken away by their potential. So your agement suggestions, the	
First, as a group, pick the upland game	bird species your wildlife area will supp	oort:
To make sure the upland birds in your	wildlife area are managed for success	s, research about the following:
	upland bird species?	
What are the benefits to predation of	of your upland bird species? The disadv	antages?

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	are some methods to predator control that you can implement in your wildlife area? Which nonlethal or lethal ds would you use in your wildlife area? Include tools or structures in your diorama.
What o	diseases or parasites are your upland birds susceptible to? How does it spread?
	ransport restrictions, sanitation, or barriers can you use to prevent diseases from entering your wildlife area?
	numan developments or activities are risks to your upland bird survival (for example, vehicle collisions)? What ors or barriers can you build in your wildlife area to help the birds avoid these?
You wil	ll introduce 50 of your game bird species to your wildlife area. What equipment and resources will you need to ??
	Il have to monitor the population numbers of your game bird species. How will you monitor and sample the ation?
Define	what the biological carrying capacity is:
Define	what the maximum sustained yield is:
Why is	it important hunters pay attention to the carrying capacity and maximum sustained yield?
What is	s a hunting permit?

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Population	
50	
98	
189	
355	
634	
1044	
1546	
2039	
2426	
2682	
2831	
2913	
2955	
2977	
2988	
2994	
2997	
2999	
3000	
3000	
3000	

Population

Year

- Here are the population estimates you will sample within 20 years. Make a graph of your population estimates by plotting the data points. Connect the data points with a continuous line.
- According to your data, the biological carrying capacity of your wildlife area is:
- Consult with your hunter mastermind about the maximum sustained yield to agree on the number of hunting permits you will give out each year for your upland bird species: ______
- Include your graph with carrying capacity and maximum yield results on the corner of your diorama.

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Next, combine your research findings with your team members. As a group, use all of your discoveries to design and craft your own wildlife area upon a cardboard sheet. Then let your imagination run wild! You may paint, sketch, mold clay, cut construction paper, or even glue in natural resources like sticks, pebbles, sand, moss, grasses, branch clippings, and more. Your final masterpiece should indefinitely support your chosen game bird species and provide families (such as your own) with excellent hunting opportunities!

Your group will present your wildlife area diorama to the class with supporting research and reasons for your management practices. After a final vote, the group who ends up with the most "people" supporting their wildlife area will win the challenge!



Need more ideas for your game bird haven? Perhaps consider searching online or visiting wildlife areas near you that support your game bird species. You can discover their habitats and the wildlife managements occurring at the site.

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