Fire and Grassland Ecosystems CER

Guiding Question: What effect does fire have on the presence or absence of grassland bird species?

Clain	n (Answers the ເ	guiding question):						
If the	(deper	_ (independent variable) dent variable) will ((explain <u>why</u> this is f	(increases or decreases), then the increase or decrease) because or level 4 points).					
Evide	ence: ebird.org Species List Unburned Sou Burned Sound							
_	Variables- The mo a. Independent b. Dependent	variable:	d dependent variables. List your variables here					
	 Easy to follow- The methods were outlined in a step-by-step fashion that could be followed by anyone without additional explanations. a. Step 1: b. Step 2: 							
	3. Several data points- Data was collected multiple times so that an average could be calculated or other types of analysis could be done.a. We will collect multiple data points by							
4.	4. Table- Data was summarized in a data table that clearly describes what was discovered.							
	Trial Number	(Independent Variable)	(Dependent Variable)					
	1							
	2							
	3							
	4							
Evid	ence: (Insert Ima	age of Graph Here:)						

Reasoning: (This will help prepare for the unit assessment on Wednesday)							
We found that our claim was (supported or not supported). An example of specific evidence that we found includes This evidence (does or does not) support the claim because we predicted Outside examples of the ideas mentioned here include (Include a summary of the big ideas from this <u>article</u> for level 4).							

Rubric:

Rubric Categories	10	8	6	4	0
Claim	The claim mentions a clear relationship between the independent and dependent variables and explains why these two variables are related this way.	The claim mentions a clear relationship between the independent and dependent variables.	The claim is missing one of the variables or is missing the relationship between variables.	The claim generally answers the guiding question without specific information.	Does not make a claim, or does not answer the guiding question with their claim.
Evidence	Level 3 has been met plus a strong figure caption.	Graph has the following components: Data is complete and easy to understand. Type of graph matches the type of data. x and y-axis labeled and have a scale relevant to the data set. Main title is present and helps the reader understand the big idea of the graph.	Table has all necessary elements but may or may not test the ideas mentioned in the claim.	Author has made an attempt at finding the evidence.	Table is missing.
Reasoning	Author restates the claim and describes if it is supported or not supported.	Provides 3 of the following 4 reasoning components.	Provides 2 of the following 4 reasoning components.	Provides 1 of the following 4 reasoning components.	Does not provide reasoning, or only provides

Adapted from materials created by Kelsey Deal who participated in the Prairie Project educator cohort program. Learn more about the Prairie Project at: theprairie-project.org

specific evidence	o reception
	e reasoning
that was collected.	like "All
3) Author makes a	cells are the
clear connection	same size
between the claim	and shape'
and the evidence	
by describing how	
the evidence	
supports the	
claim.	
4) Author describes	
evidence from	
outside sources.	