

2020-21

FEIS contains 3 types of reviews: Species Reviews, Fire Regime Syntheses, and Fire Studies. This tutorial shows you how to find and use all 3 types. If you can answer the questions below, you can navigate through FEIS successfully. Go to the link at the bottom of the page for answers.

1. Find the Species Review for Clark's nutcracker (Use the text box on the home page).
 - a. Who wrote it? _____
 - b. What year was it written? _____

2. Look at the Table of Contents in the Clark's nutcracker review. Select DISTRIBUTION AND OCCURRENCE. Does the Clark's nutcracker occur in Idaho?

3. Find the Species Review for saltcedar and other *Tamarix* species.
 - a. Does saltcedar sprout after fire? _____
 - b. Who says so? List author(s) and date for one reference cited for that fact: _____

4. Use the advanced search for Species Reviews to find out:
 - a. How many FEIS Species Reviews cover bird species? (Select "Life form", then select "Bird", then select "Go". See count near top of results screen.) _____
 - b. How many FEIS Species Reviews cover invasive forb* species? (Select "Life form", select "Forb". Select "Invasiveness", select "Invasive", then select "Go". _____
 - c. Scroll down to find the review on common St Johnswort (*Hypericum perforatum*). Select this species review (HYPPER). Does fire stimulate St Johnswort seeds to germinate? (Select "Fire effects" to quickly answer this question.) _____

5. Get a list of Species Reviews on nonnative, invasive forbs that may occur in Yellowstone National Park. (Use the advanced search for Species Reviews. Select "Life form", select "forb". Select "Nativity", select "Nonnative". Select "Invasiveness", select "Invasive". Select "Agency or plant community", select "agency", select "National Park Service", select "Intermountain", select "Yellowstone National Park". Select "Go".
 - a. How many reviews are there? _____
 - b. Select the review on Canada thistle (*Cirsium arvense*). Is Canada thistle more common in burned or unburned forest in Yellowstone National Park? (Once you are looking at the Species Review, select "Fire effects" to quickly find this answer). _____

6. Is there a Species Review available for Snake River phlox (*Phlox colubrina*)? ____ If not, don't give up on finding useful information in FEIS. Maybe you can find some information from a Fire Study. Use the advanced search for Fire Studies. Enter the species name. Open the study by selecting the link under "Summarizes research by..."
 - a. Where was the study conducted? _____

* A nongrassy flowering plant.

b. Was the cover of Snake River phlox significantly different between burned and unburned plots in the third postfire year (use find function, Table 2)? _____

7. Look for information about fire regimes in plant communities where Wyoming big sagebrush may occur (use the advanced search for Fire Regimes. Enter "Wyoming big sagebrush" in the "Scientific or common name" text box).

a. How many plant communities in FEIS contain information about fire regimes where Wyoming big sagebrush may occur? _____

b. Select the Fire Regime Synthesis for the community where Wyoming big sagebrush is dominant (hint: Wyoming big sagebrush is in the title). Read the ABSTRACT to find out if Wyoming big sagebrush communities burned more or less frequently than mountain big sagebrush communities? _____
Why? _____

c. Look at the Table of Contents, under PRESETTLEMENT FIRE REGIMES, select "Fire Frequency Summary". Read the first paragraph of the Fire Frequency Summary section. List 6 ways that fire frequency is estimated in big sagebrush communities.

d. Scroll back to the Table of Contents, under the POSTSETTLEMENT CHANGES IN FUELS AND FIRE REGIMES section, select INTRODUCTION. Read the first paragraph of the INTRODUCTION. Have fuel and fire regime characteristics in many big sagebrush communities shifted outside of the range of historical variation? _____
List two reasons why. _____

8. FEIS provides information on fire regimes of plant communities in the US in 2 forms: "Fire Regime Syntheses" and "Fire Regime Reports". Fire Regime Syntheses integrate LANDFIRE data with information from the scientific literature to provide in-depth information on historical fire regimes and address contemporary changes in fuels and fire regimes. Fire Regime Reports summarize and facilitate access to LANDFIRE data; however; they do not include syntheses of the scientific literature. Search for fire regimes that contain white spruce. You will notice that many of the resulting fire regimes have a publication date of 2012. Those are Fire Regime Reports. Select a Fire Regime Report and open/view it. Go back to your results and select a Fire Regime Synthesis (publication date >2012) and open/view it. Write one difference between a Fire Regime Report and a Fire Regime Synthesis.
