





1. Circle the number that best describes the nature of the species lists on pages 1 and 2. 1 - the list is rough ..... 5 - the list is highly accurate
- |  |  |   |
|--|--|---|
| <p><b>Invasive plants:</b><br/>1      2      3      4      5</p> | <p><b>Exotic animals :</b><br/>1      2      3      4      5</p> | <p><b>Exotic pathogens:</b><br/>1      2      3      4      5</p> |
|--|--|---|
2. For this *Wilderness area*, the presence and distribution of invasive / exotic species is: (fill in blanks)
- |                               |   |  |
|-------------------------------|---|--|
| A) not much of a problem.     | C) a significant problem; 1 of the top 10 management concerns         |  |
| B) one of many small problems | D) very important; one of 2 or 3 top priorities / management concerns |  |
- Invasive plants** \_\_\_\_\_ **Exotic animals** \_\_\_\_\_ **Exotic pathogens** \_\_\_\_\_
3. For this *Wildlife Refuge as a whole*, the presence and distribution of invasive / exotic species is: (fill in blanks)
- |                               |   |  |
|-------------------------------|---|--|
| A) not much of a problem.     | C) a significant problem; 1 of the top 10 management concerns         |  |
| B) one of many small problems | D) very important; one of 2 or 3 top priorities / management concerns |  |
- Invasive plants** \_\_\_\_\_ **Exotic animals** \_\_\_\_\_ **Exotic pathogens** \_\_\_\_\_
4. For this *Wilderness area*, the perceived threat in 5 years of invasive/ exotic species establishment is likely to be: (fill in blanks)
- |                               |   |  |
|-------------------------------|---|--|
| A) not much of a problem.     | C) a significant problem; 1 of the top 10 management concerns         |  |
| B) one of many small problems | D) very important; one of 2 or 3 top priorities / management concerns |  |
- Invasive plants** \_\_\_\_\_ **Exotic animals** \_\_\_\_\_ **Exotic pathogens** \_\_\_\_\_
5. Is there a written invasive /exotic species management plan for this Wilderness area?
- |                   |   |   |   |   |   |   |
|-------------------|---|---|---|---|---|---|
| Invasive plants:  | Y | N | If yes, does it prioritize species for control? _____ | Y | N | Is it a refuge-wide plan or specific to Wilderness? _____ |
|                   |   |   | When was it completed? _____                          |   |   | When was it last updated? _____                           |
| Exotic animals:   | Y | N | If yes, does it prioritize species for control? _____ | Y | N | Is it a refuge-wide plan or specific to Wilderness? _____ |
|                   |   |   | When was it completed? _____                          |   |   | When was it last updated? _____                           |
| Exotic pathogens: | Y | N | If yes, does it prioritize species for control? _____ | Y | N | Is it a refuge-wide plan or specific to Wilderness? _____ |
|                   |   |   | When was it completed? _____                          |   |   | When was it last updated? _____                           |
- If there is not a plan, why not? (fill in blanks)
- |   |                                       |                    |
|---|---------------------------------------|--------------------|
| A) weeds/ exotics are not a significant problem | C) cost prohibitive / lack of funding | E) C and D         |
| B) it has been started but not completed        | D) labor prohibitive / lack of staff  | F) other (explain) |
- Invasive plants** \_\_\_\_\_ **Exotic animals** \_\_\_\_\_ **Exotic pathogens** \_\_\_\_\_
6. Are invasives / exotics monitored in this Wilderness area?
- |                   |   |   |                               |
|-------------------|---|---|-------------------------------|
| Invasive plants:  | Y | N | If yes, how frequently? _____ |
| Exotic animals:   | Y | N | If yes, how frequently? _____ |
| Exotic pathogens: | Y | N | If yes, how frequently? _____ |
- If no, why not? (fill in blanks)
- |  |                                      |                    |
|--|--------------------------------------|--------------------|
| A) weeds / exotics are not a significant problem | C) labor prohibitive / lack of staff | E) other (explain) |
| B) cost prohibitive / lack of funding            | D) B and C                           |                    |
- Invasive plants** \_\_\_\_\_ **Exotic animals** \_\_\_\_\_ **Exotic pathogens** \_\_\_\_\_
7. Was a NEPA process completed for any current invasive / exotics control efforts in the Wilderness area?      Y      N  
If yes, for which species? \_\_\_\_\_
8. Was a Minimum Tool Analysis completed for any current invasive / exotics control efforts in the Wilderness area?      Y      N  
If yes, for which species? \_\_\_\_\_

9. In general, what is the source of the information you are providing? (fill in blanks)

A) casual or opportunistic observation

C) best guess, based on knowledge of similar, surrounding areas outside the Wilderness

B) systematic sampling (along transects, in long term plots, etc.)

D) other (explain below)

**Invasive plants** \_\_\_\_\_ **Exotic animals** \_\_\_\_\_ **Exotic pathogens** \_\_\_\_\_

### SPECIES OF GREATEST CONCERN

We would appreciate more detailed information on invasive / exotic species that are of greatest concern in your Wilderness area. Please attach additional pages if necessary. Examples of disturbance vectors are livestock, vehicles, horsepackers, hikers, timber harvest, escape from cultivation, unknown, etc.

**Species name** \_\_\_\_\_

What disturbance vector may be responsible for its establishment/spread? \_\_\_\_\_

Pattern of infestation – circle one

A) one or more large populations    B) few or several small populations    C) one or more large and few to several small populations

Infestations are mainly along roads, rivers, trails:    Y            N

Spread – this species is:

A) increasing despite control efforts            C) decreasing through control efforts            E) stable through control efforts            G) unknown

B) increasing; there are no control efforts            D) decreasing without control efforts            F) stable without control efforts

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We are also interested in your general impressions of the status of invasive / exotic species in this Wilderness area and any relevant background information (grazing history, elevation tolerance of species, etc.) to which you may have access. If possible, include a map indicating the location of your problem invasives.

Feel free to expand on any of your responses on the back of this page.

THANK YOU VERY MUCH FOR YOUR TIME AND EXPERTISE.