**THE G-WOW MODEL: Integrating TEK, Place-based Knowledge, and SEK for Climate Action**

1. A recreational, cultural, or economic activity that is important to me is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Does this activity rely on a plant or animal being(s)? *(for example, deer hunting relies on White tail deer, maple syruping on sugar maple trees)*

1. If YES: what habitat or environmental conditions does this being need to survive and thrive? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. If NO: what habitat or environmental conditions are needed to support this activity? *(for example, winter skiing relies on snow, winter logging needs frozen roads, running is optimum when temps are cooler)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What evidence of change have you observed based on your **place-based knowledge** of this activity, the being, or habitat?

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1. What evidence based on **traditional ecological knowledge** (TEK) indicates that this plant, animal, or habitat is being affected by climate change? (one source of TEK is the Great Lakes Indian Fish and Wildlife Commission’s [Climate Vulnerability Assessment](chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https:/s3.us-east-2.amazonaws.com/glifwc.archive.bio/Aanji-bimaadiziimagak_o_ow_aki_digital_02212023.pdf?X-Amz-Content-Sha256=UNSIGNED-PAYLOAD&X-Amz-Security-Token=IQoJb3JpZ2luX2VjEOH%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEaCXVzLWVhc3QtMiJHMEUCIQDqalvK6ckvava0V3akaM8PRtpcKBOBHnsd3QFTbTyWxwIgaZNp1%2F1siMMh2py127gB1UR6glj0WZ%2BgOxKW%2B5rPROAqtAUIehADGgw1Njk4ODUwODgzNTEiDNLBmsw%2FdCjxuRETTyqRBQaXPjCOGldYGnCesBNWJ6gltPP9eTWFC8W1683b6tQjxOeTgFZJdvYik8HEQvJ7cGpzSTnHNcpEgSL3Fer9fD9W8bex9Mim7QPEgn4lj8WTygVPUE%2BGc0xjdSiSlPYOmo5c5cBLBu6hPuq0ARnYgoGF9PPIPAjoP0kU89uhycexG7BlYM2BIdXgiT%2Bty7Czc6HhTeDDBnss9tf45IMmWt5VSJJ2JdUBPXb0aMVNRzXURTYIfbpZ36rubthMIqxp0c2idYzr8u758qchopNUnvtCkrE63EOy%2FuqWyKh%2FMOg8cekt%2FOiaq0NJ1d9o8dO7IddR%2F%2BFt4ZrLNPN7G0IhRXNKTO7RhKnzw4C5mKtFN7IntTyc%2BuRGluy%2BqvSR8%2BZiU9DJd1hYrrp%2BdXSOJGnsuDQvTWut39nX23rXq2mXLhJA2ZGD6hXn3fgVTzPbIMA2%2FD49aKya7FRkuPgobbsvmlf%2BmZ%2BNlyQ5EHiCKUabXvaSAM905Z%2Fq8d%2B32dme600nEScQFdcuzcvIPlB7yA4srmF4hSTJlzVrpnsep83UYpYebFTIuI%2FWvPFrjL48pV4NyL5RGjkQV7YzzQVUqAUx3Xa1wXzVOdMmo0fsYMcu7XUYYADijnr5hCBAM6XLeYkSXNnaYavgbngmL4CnN0Mm7d4d6rjumfVO%2FzOwN9p6V60cv2YX38I318ejqsktxO4BiAl9pfNrDOLkymYtF8NR7S1IfLiPcrHjRhLf6jOgrx7ZBCI%2F%2BFXRBygKygM%2FOrBNtA8vxv6vKF5WD9z6nCVF9syg6TeWJ8fg6H3ggIO66halmXhdeHApL9dU6ObctB0SNe1w74ysdKL0ozSCvv%2BldJiyBbwFG2q3iDIU%2Bv0P5JkA3DD14L7ABjqxAZf28EiykQPEeTp%2FXthUt0O6QAwcaL%2FJO7sHJWpzDR%2BL57pOUsMv8F6fNhePyzvJWu5Bt5yp7YkT1bHz%2F6yTT1QuRRQZ7ovCJPnwMX9Yxh7bmOJBSd%2BNYQ7plNIZFo2vQs9TT%2F%2FaH76vYe0JG1EbX3IlefmWgohYsdoQV8F9lP%2Ff1twd2pd6%2FplJNGkO%2BdDpRu4uXA8BnvcaDKrPUVb97%2BsIujOmjguPF%2FsZEK5KwW6BNw%3D%3D&X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=ASIAYJL6MLJPT43ECCQT%2F20250428%2Fus-east-2%2Fs3%2Faws4_request&X-Amz-Date=20250428T173220Z&X-Amz-SignedHeaders=host&X-Amz-Expires=7200&X-Amz-Signature=7f7b431b6b26eaa383d7a0637f2d6038e20c5ec03f46a39d4de4ac7b7ce5bbbe))

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1. What evidence based on **scientific ecological knowledge** (SEK) indicates that changes in environmental variables such as temperature, precipitation, storms, heat and drought are affecting the habitat conditions needed by this being, or needed for this activity? (Sources of SEK include the [Wisconsin Initiative on Climate Change Impact Trends and Projections](https://wicci.wisc.edu/wisconsin-climate-trends-and-projections/) and the [Great Lakes Regional Climate Projection Maps](https://glisa.umich.edu/great-lakes-regional-climate-change-maps/) )

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1. Does evidence from place-based knowledge, TEK, and SEK agree that climate change may affect the being or habitat conditions needed to support the activity you value?

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1. If climate change is affecting an activity you value, what action will you take to fight climate change with change?

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For more resources: [www.g-wow.org](http://www.g-wow.org) and [www.minisan.org](http://www.minisan.org)

**Your G-WOW Model**

**Evidence of Change**

**Being/Habitat**

**Activity**

**What evidence do you have that climate change is affecting what you value?**

**What will you do to take action?**

**HABITAT**

What habitat conditions are needed by this being to thrive **OR** what environmental conditions needed are to support this activity?

**BEING**

What plant or animal being is needed to support this activity?

A cultural, recreation, or economic activity you value