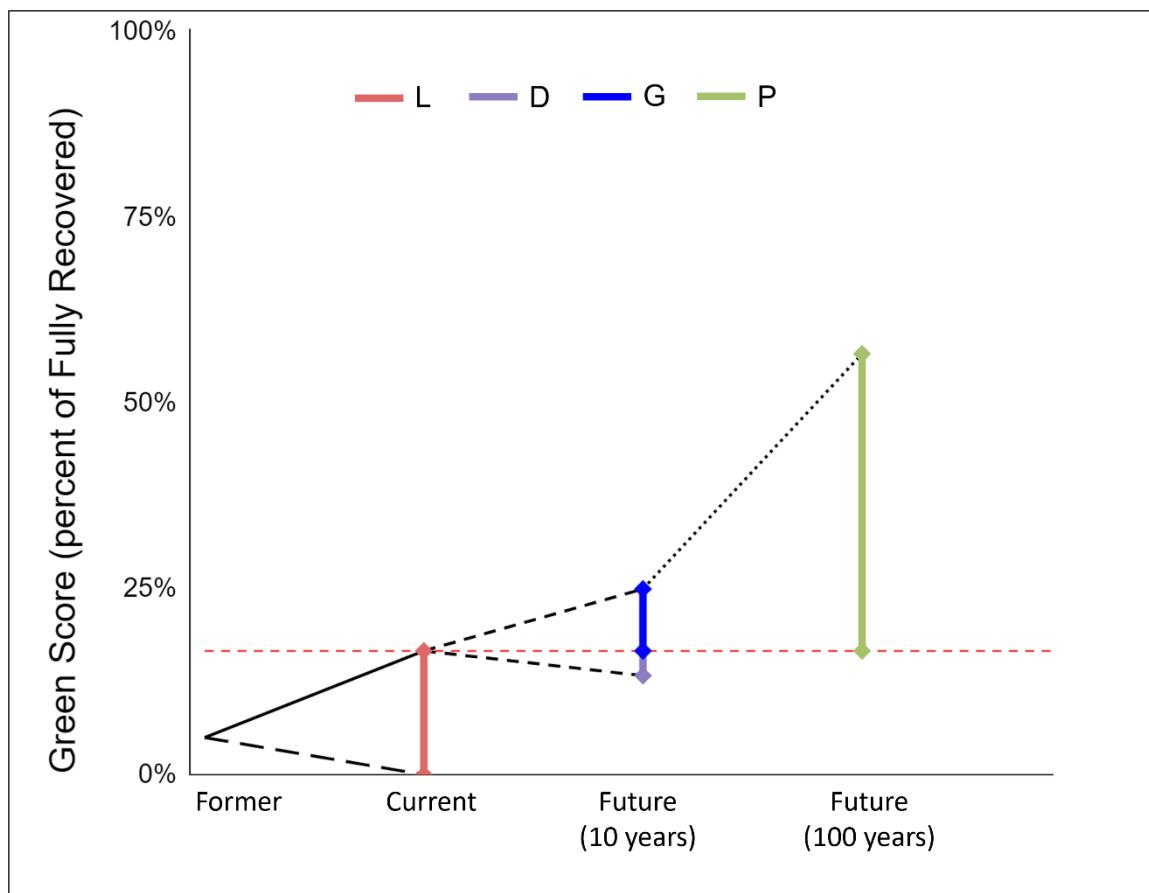




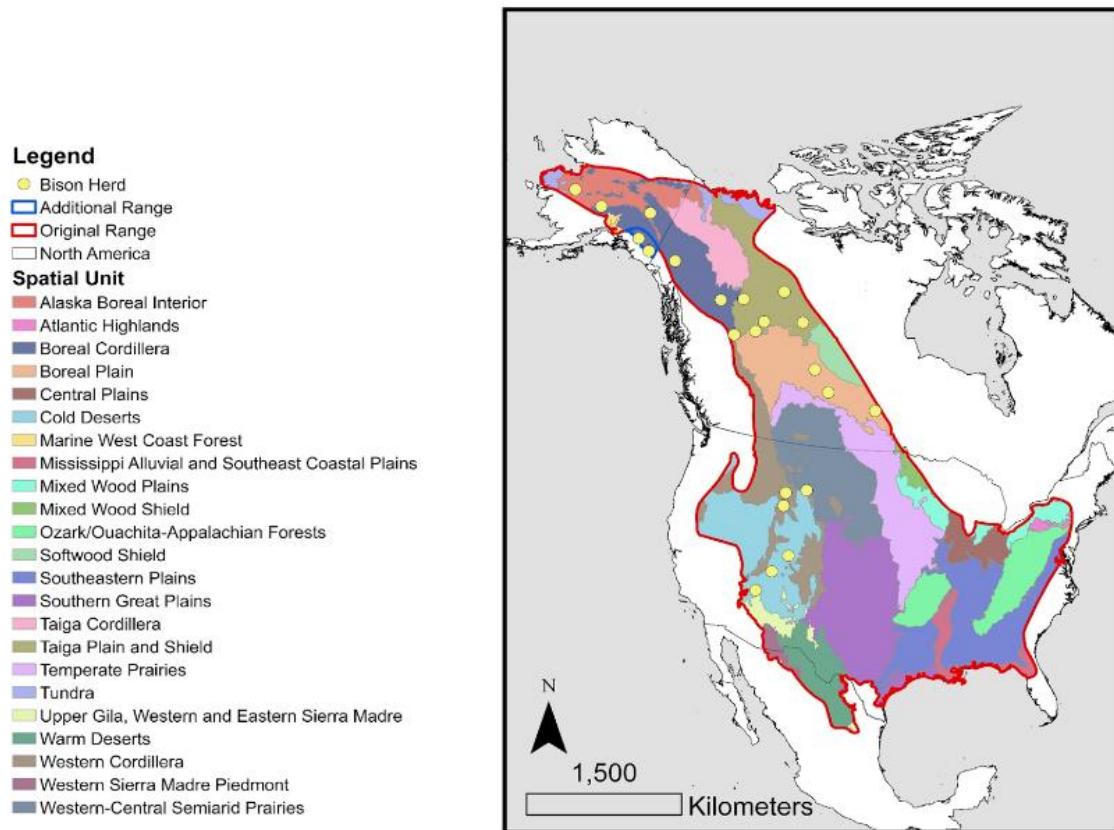
## Green Status of Species: Supplementary information

### American Bison (*Bison bison*)



**Figure S1.** Graphical representation of the conservation metrics based on the Green Scores. Key: Vertical arrows represent the four conservation metrics: L – Conservation Legacy (may not appear if current and counterfactual states are the same); D – Conservation Dependence (may not appear if current and future-without-conservation states are the same); G – Conservation Gain (may not appear if current and future-with-conservation states are the same); P – Recovery Potential (may not appear if current and potential states are the same). Horizontal red dashed line represents the Current Green Score. Solid black line: observed change in the Green Score of the species (ignore it if "Former" state is not specified). Long-dashed black line: (counterfactual) past change expected in the absence of past conservation efforts. Dashed black lines: future scenarios of change expected with and without current and future conservation

efforts. Dotted black line: long-term potential change expected with future conservation innovation and efforts.



**Figure S2.** Wild American Bison herds and their spatial units within the species' indigenous range. Spatial units are derived from the U.S. Environmental Protection Agency level one ecoregions and level two subecoregions. Historical range is adapted from Aune *et al.* (2017) with updated information from the Mexican Bison Working group (R. List pers. comm. 2020), Alaska Department of Fish and Game (C.T. Seaton pers. comm. 2020) as well as Plumb and McMullen (2018). "Additional range" encompasses the currently occupied home range of two wild bison herds within the Boreal Cordillera subecoregion bound by the Alaska-Canada border in accordance with IUCN protocol (IUCN 2021); given that these two herds are part of the same ecoregion (spatial unit) as other indigenous herds, they are considered part of the indigenous range under Green Status assessment methods.

**Table S1.** Conservation Actions ([list of action codes](#)).

Spatial unit	Name	Past actions (no longer occurring)	Current actions	Actions planned within 10 years	Actions that could be implemented in the long-term aspiration scenario
SU 1	<b>Tundra</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 3.1.1, 3.1.3, 3.2, 3.3.1, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.4, 6.5.
SU 2	<b>Alaska Boreal Interior</b>	1.1, 5.1.2, 5.1.3.	2.1, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.2, 5.3, 5.4.2, 5.4.3, 6.1, 6.5.	2.1, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.2, 5.3, 5.4.2, 5.4.3, 6.1, 6.5.	1.1, 2.1, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.2, 5.3, 5.4.2, 5.4.3, 6.1, 6.5.
SU 3	<b>Taiga Cordillera</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	
SU 4	<b>Taiga Plain and Shield</b>	1.1, 3.3.1, 5.1.2.	2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 4.1, 4.2, 4.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.	2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.	1.1, 2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.
SU 5	<b>Softwood Shield</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.1, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
SU 6	<b>Mixed Wood Shield</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
SU 7	<b>Atlantic Highlands</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.

<b>Spatial unit</b>	<b>Name</b>	<b>Past actions (no longer occurring)</b>	<b>Current actions</b>	<b>Actions planned within 10 years</b>	<b>Actions that could be implemented in the long-term aspiration scenario</b>
<b>SU 8</b>	<b>Boreal Plain</b>	1.1, 3.3.1, 5.1.1	2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.2, 3.4.1, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.	2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.2, 3.4.1, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.	1.1, 2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 3.3.2, 3.4.1, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.3, 6.4, 6.5.
<b>SU 9</b>	<b>Boreal Cordillera</b>	1.1, 3.3.1, 3.3.2, 5.1.2.	2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.	2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.	1.1, 2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 3.3.2, 3.4.1, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 10</b>	<b>Western Cordillera</b>	1.1, 3.3.1, 5.1.1.	2.1, 2.2, 2.3, 3.1.1, 3.2, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.	2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.	1.1, 2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 3.3.2, 3.4.1, 3.4., 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 11</b>	<b>Marine West Coast Forest</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 12</b>	<b>Mixed Wood Plains</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 13</b>	<b>Central Plains</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 5.4.3, 6.1, 6.5.
<b>SU 14</b>	<b>Southeastern Plains</b>	NA - No bison present in this spatial unit.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3,

<b>Spatial unit</b>	<b>Name</b>	<b>Past actions (no longer occurring)</b>	<b>Current actions</b>	<b>Actions planned within 10 years</b>	<b>Actions that could be implemented in the long-term aspiration scenario</b>
		spatial unit in the past.		spatial unit within 10 years.	5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 15</b>	<b>Ozark/Ouachita-Appalachian Forests</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 16</b>	<b>Mississippi Alluvial and Southeast Coastal Plains</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 17</b>	<b>Temperate Prairies</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 18</b>	<b>Western-Central Semiarid Prairies</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 19</b>	<b>Southern Great Plains</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 20</b>	<b>Cold Deserts</b>	1.1, 3.3.1, 5.1.1	2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5	2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5	1.1, 2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 3.3.2, 3.4.1, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 21</b>	<b>Warm Deserts</b>	NA - No bison present in this spatial unit.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3,

<b>Spatial unit</b>	<b>Name</b>	<b>Past actions (no longer occurring)</b>	<b>Current actions</b>	<b>Actions planned within 10 years</b>	<b>Actions that could be implemented in the long-term aspiration scenario</b>
		spatial unit in the past.		spatial unit within 10 years.	5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 22</b>	<b>Western Sierra Madre Piedmont</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 23</b>	<b>Upper Gila, Western and Eastern Sierra Madre</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 2.1, 2.2, 2.3, 3.1.3, 3.2, 3.3.1, 3.4.1, 4.1, 4.2, 4.3, 5.1.2, 5.1.3, 5.2, 5.4.2, 5.4.3, 6.1, 6.5.
<b>SU 24</b>	<b>Translocated herds</b>	3.3.1 – however, translocated herds not considered wild at present.	3.3.1 – however, translocated herds not considered wild at present.	3.3.1 – however, translocated herds not considered wild at present.	1.1, 2.1, 2.2, 2.3, 3.1.1, 3.1.3, 3.2, 3.3.1, 3.3.2, 3.4.1, 4.1, 4.2, 4.3, 5.1.1, 5.1.2, 5.1.3, 5.2, 5.3, 5.4.1, 5.4.2, 5.4.3, 6.1, 6.5.

**Table S2.** Threats (list of [threat codes](#)).

Spatial unit	Name	Past threats (no longer occurring)	Current threats	Threats expected to emerge or continue over next 10 years	Threats that would be relevant in the long-term aspiration scenario
SU 1	Tundra	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.2, 5.1.1, 5.1.3, 6.3, 8.1, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1.
SU 2	Alaska Boreal Interior	3.1, 3.2, 5.1.1, 11.1, 11.3, 11.4.	3.1, 3.2, 5.1.1, 8.3, 11.1, 11.3, 11.4.	3.1, 3.2, 5.1.1, 8.3, 11.1, 11.3, 11.4.	1.1, 3.1, 3.2, 4.1, 4.2, 5.1.1, 8.1, 8.3, 11.1, 11.3, 11.4, 12.1.
SU 3	Taiga Cordillera	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	5.1.1, 8.2.2, 11.1, 11.2, 11.3, 11.4, 12.1.
SU 4	Taiga Plain and Shield	NA - Past threats in spatial unit are still occurring today.	1.1, 1.2, .1.2, 2.1.3, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 4.3, 5.1.1, 5.1.3, 5.3, 4.2, 4.3, 5.1.1, 5.1.3, 5.3, 6.3, 7.1, 7.2.10, 8.1.2, 8.2.2, 8.3, 9.2, 9.3, 9.5, 9.6, 11.1, 11.2, 11.3, 11.4.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 4.3, 5.1.1, 5.1.3, 5.3, 6.3, 7.1, 7.2.10, 8.1.2, 8.2.2, 8.3, 9.2, 9.3, 11.1, 11.2, 11.3, 11.4.	1.1, 1.2, 2.1.2, 2.1, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 4.3, 5.1.1, 5.1.3, 6.3, 7.1, 7.2.10, 8.1.2, 8.2.2, 8.3, 9.2, 9.3, 9.5, 9.6, 11.1, 11.2, 11.3, 11.4, 12.1.
SU 5	Softwood Shield	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	3.1, 3.2, 4.1, 4.2, 5.1.1, 5.1.3, 6.3, 8.1.2, 8.2.2, 8.3, 11.1, 11.2, 11.3, 11.4, 12.1.
SU 6	Mixed Wood Shield	NA - No bison present in this spatial unit in the past.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 11.1, 12.1.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 11.1, 12.1.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.3, 5.3, 6.3, 7.1.2, 8.3, 9.3, 11.1, 11.2,

<b>Spatial unit</b>	<b>Name</b>	<b>Past threats (no longer occurring)</b>	<b>Current threats</b>	<b>Threats expected to emerge or continue over next 10 years</b>	<b>Threats that would be relevant in the long-term aspiration scenario</b>
<b>SU 7</b>	<b>Atlantic Highlands</b>	NA - No bison present in this spatial unit in the past.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 5.3, 6.3, 11.1, 12.1.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 5.3, 6.3, 11.1, 12.1.	11.3, 11.4, 12.1, 12.1.
<b>SU 8</b>	<b>Boreal Plain</b>	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.2.2, 8.3, 9.2, 9.3, 9.6, 11.3, 11.4.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.2.2, 8.3, 9.2, 9.3, 9.6, 11.1, 11.2, 11.3, 11.4.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 7.2.10, 8.1.2, 8.2.2, 8.3, 9.2, 9.3, 9.6, 11.1, 11.2, 11.3, 11.4, 12.1.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 7.2.10, 8.1.2, 8.2.2, 8.3, 9.2, 9.3, 9.6, 11.1, 11.2, 11.3, 11.4, 12.1.
<b>SU 9</b>	<b>Boreal Cordillera</b>	2.1.2, 2.3.2, 4.1, 4.2, 5.1.1, 5.1.3, 7.1.1, 7.1.2, 8.2.2, 8.3.	2.1.2, 2.3.2, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 7.1.1, 7.1.2, 8.2.2, 8.3, 11.3, 11.4.	2.1.2, 2.3.2, 3.1, 3.2, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 7.1.2, 8.2.2, 8.3, 11.1, 11.2, 11.3, 11.4, 12.1.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.1, 7.1.2, 8.1.2, 8.2.2, 8.3, 9.2, 9.3, 9.5, 9.6, 11.1, 11.2, 11.3, 11.4, 12.1.
<b>SU 10</b>	<b>Western Cordillera</b>	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.2, 11.3, 12.1.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.2, 11.3, 12.1.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 3.1, 3.2, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.2.2, 8.3, 9.2, 9.3, 9.6, 11.1, 11.2, 11.3, 11.4, 12.1.

<b>Spatial unit</b>	<b>Name</b>	<b>Past threats (no longer occurring)</b>	<b>Current threats</b>	<b>Threats expected to emerge or continue over next 10 years</b>	<b>Threats that would be relevant in the long-term aspiration scenario</b>
<b>SU 11</b>	<b>Marine West Coast Forest</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.3.2, 3.2, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.2.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1.
<b>SU 12</b>	<b>Mixed Wood Plains</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.1., 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.
<b>SU 13</b>	<b>Central Plains</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.
<b>SU 14</b>	<b>Southeastern Plains</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.
<b>SU 15</b>	<b>Ozark/Ouachita-Appalachian Forests</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3,

<b>Spatial unit</b>	<b>Name</b>	<b>Past threats (no longer occurring)</b>	<b>Current threats</b>	<b>Threats expected to emerge or continue over next 10 years</b>	<b>Threats that would be relevant in the long-term aspiration scenario</b>
<b>SU 16</b>	<b>Mississippi Alluvial and Southeast Coastal Plains</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	11.1, 11.2, 11.3, 11.4, 12.1, 12.1.
<b>SU 17</b>	<b>Temperate Prairies</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.
<b>SU 18</b>	<b>Western-Central Semiarid Prairies</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.
<b>SU 19</b>	<b>Southern Great Plains</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.
<b>SU 20</b>	<b>Cold Deserts</b>	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2,	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2,	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 6.3, 7.1.2,	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 6.3, 7.1.2,

<b>Spatial unit</b>	<b>Name</b>	<b>Past threats (no longer occurring)</b>	<b>Current threats</b>	<b>Threats expected to emerge or continue over next 10 years</b>	<b>Threats that would be relevant in the long-term aspiration scenario</b>
<b>SU 21</b>	<b>Warm Deserts</b>	5.1.1, 5.1.3, 8.3, 11.2, 11.3, 11.4, 12.1.	5.1.3, 6.3, 8.3, 9.3, 11.2, 11.3, 11.4, 12.1.	8.1.2, 8.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.	8.1.2, 8.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.
<b>SU 22</b>	<b>Western Sierra Madre Piedmont</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.
<b>SU 23</b>	<b>Upper Gila, Western and Eastern Sierra Madre</b>	NA - No bison present in this spatial unit in the past.	NA - No bison present in this spatial unit.	NA - No plans to establish bison in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.1., 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.
<b>SU 24</b>	<b>Translocated herds</b>	NA – No wild populations of bison present in this spatial unit in the past.	NA - No wild populations of bison present in this spatial unit.	NA – Not expected that translocated herds will be considered wild in this spatial unit within 10 years.	1.1, 1.2, 2.1.2, 2.1.3, 2.3.2, 2.3.3, 4.1, 4.2, 5.1.1, 5.1.3, 5.3, 6.3, 7.1.2, 8.1.2, 8.3, 9.3, 11.1, 11.2, 11.3, 11.4, 12.1, 12.1.

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- Plumb, G. and McMullen, C. 2018. Bison on the southwest Colorado Plateau: Conservation at the edge. *The Southwestern Naturalist* 63(1): 42–48.

## **Appendix 1. Assessor Self-Review**

- 1. Disclose any potential conflicts of interest, which could bias the assessment.**

NA

- 2. Is there any discrepancy between this assessment and the Red List assessment for the species? If so, comment on the likely reason for this discrepancy.**

There are no discrepancies between this assessment and the most recent Red List Assessment for American Bison. One new wild herd, which has qualified since the previous Red List Assessment was included in this assessment.

- 3. Review the impact that you assigned to the various threats and conservation actions. Would the trajectory of the species be very different if other choices were made? If so, review your justification for these choices. If appropriate, widen the bounds on tabs 4 and 5-8 (change the lower and upper plausible values) to reflect the uncertainty introduced by the possibility of these other choices. How, if at all, did this review question cause this assessment to change? If no changes were needed, please write "no changes".**

No changes.