



Mapping Wilderness Character in Sequoia and Kings Canyon National Parks

Appendix 2 – High-resolution Maps

Natural Resource Technical Report NPS/SEKI/NRTR—2014/872.2



ON THE COVER

Backpacker hikes through foxtail pine stand at Little Claire Lake, Sequoia National Park.
Photograph by: Linda Mutch

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Appendix 2 – High-resolution Maps

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May 2014

U.S. Department of the Interior
National Park Service
Natural Resource Stewardship and Science
Fort Collins, Colorado

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Please cite this publication as:

Tricker, J., P. Landres, G. Fauth, P. Hardwick, and A. Eddy. 2014. Mapping wilderness character in Sequoia and Kings Canyon National Parks: Appendix 2 – high-resolution maps. Natural Resource Technical Report NPS/SEKI/NRTR—2014/872.2. National Park Service, Fort Collins, Colorado.

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Overview

We provide five large (31x43 inches) high-resolution maps in this appendix to accompany the natural resource technical report: Mapping Wilderness Character in Sequoia and Kings Canyon National Parks (Tricker et al. 2014). These maps are provided to enable readers to more clearly view the details of degradations to the four qualities of wilderness character (natural, untrammeled, undeveloped, and solitude or primitive and unconfined recreation) and to overall wilderness character for the parks. To understand the process for creating these maps and their benefits and limitations, it is essential to review the primary report (Tricker et al. 2014).

In brief, a set of indicators and measures was identified by Sequoia and Kings Canyon National Parks (SEKI) staff to capture the impacts to the four qualities of wilderness character (natural, untrammeled, undeveloped and solitude or primitive and unconfined recreation). These measures were derived from 79 spatial datasets and were formatted to compare on a common relative scale. Each measure was “weighted” by SEKI staff to reflect its importance in relation to other measures. Maps were generated for each of the four qualities of wilderness character, which were added together to produce the composite wilderness character map for SEKI (Figure 1).

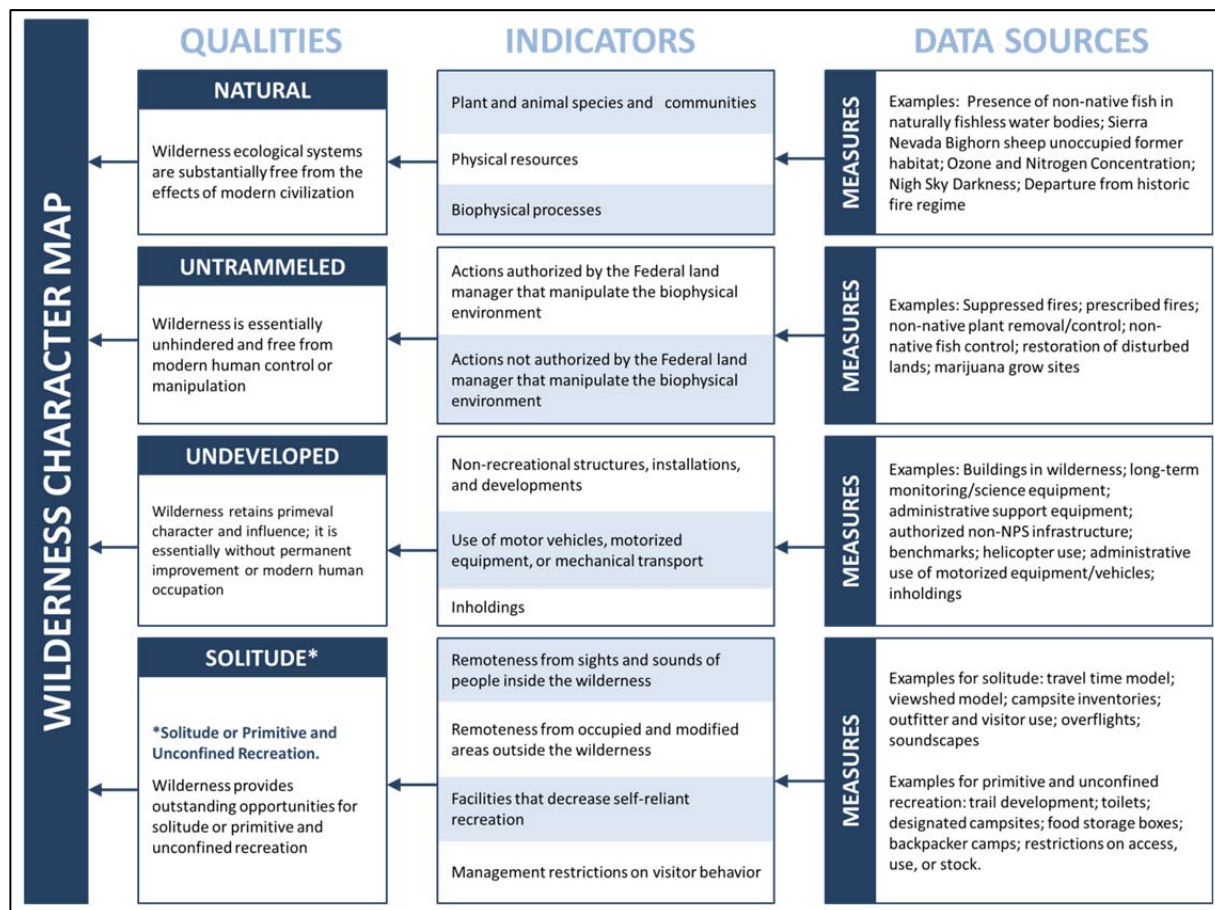


Figure 1. Flow chart for developing the wilderness character map.

The resulting SEKI wilderness character map delineates the range in condition of wilderness character, based on the measures that were identified and the datasets that were used. A histogram of the wilderness character

map values reveals that the majority of wilderness character in SEKI is of high quality. This map will be used as a baseline representing wilderness character condition in SEKI, and future assessments of wilderness character can be updated with new and improved data as they become available. In addition, the map will be used by SEKI staff to evaluate spatial impacts of different planning alternatives during the development of the SEKI Wilderness Stewardship Plan.



Natural quality of wilderness character in Sequoia and Kings Canyon National Parks. Blue depicts optimal quality and red depicts degraded quality.

Source: Tricker, J., P. Landres, G. Fauth, P. Hardwick, and A. Eddy. 2014. *Mapping wilderness character in Sequoia and Kings Canyon National Parks*. Natural Resource Technical Report NPS/SEKI/NRTR—2014/872. National Park Service, Fort Collins, Colorado.

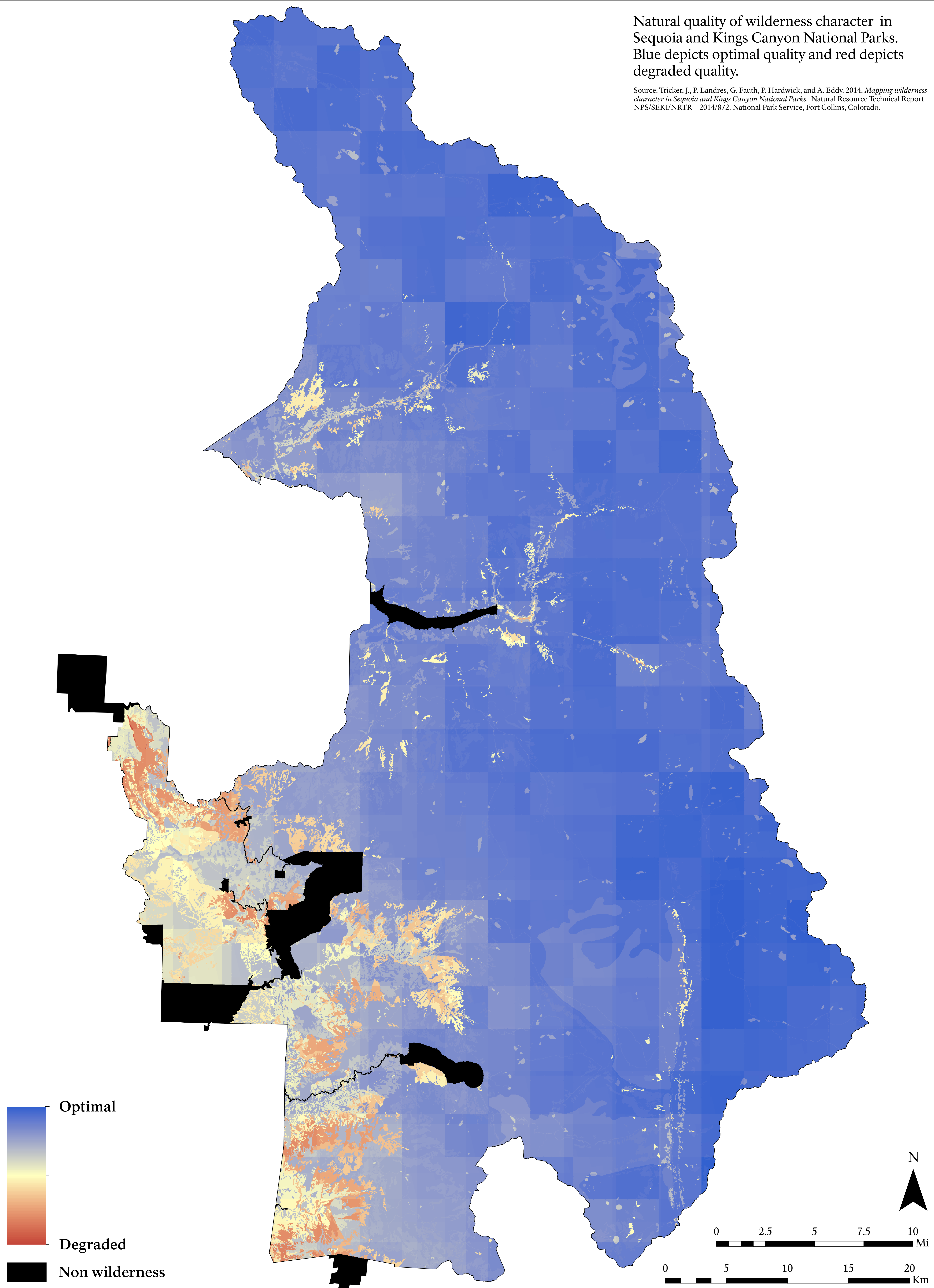


Figure 2. Natural quality of wilderness character.

Untrammeled quality of wilderness character. Blue depicts optimal quality and red depicts degraded quality.

Source: Tricker, J., P. Landres, G. Fauth, P. Hardwick, and A. Eddy. 2014. *Mapping wilderness character in Sequoia and Kings Canyon National Parks*. Natural Resource Technical Report NPS/SEKI/NRTR—2014/872. National Park Service, Fort Collins, Colorado.

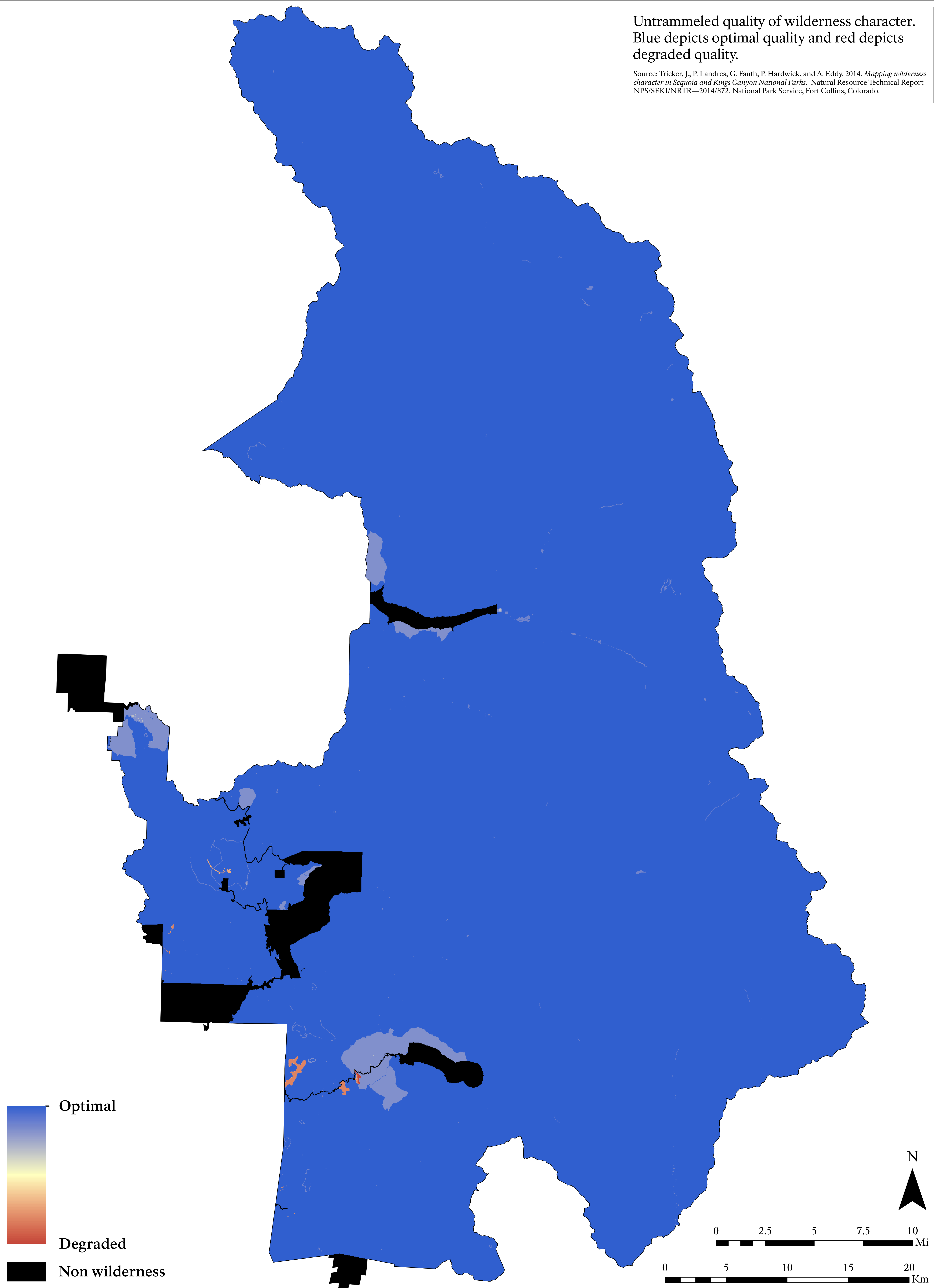


Figure 3. Untrammeled quality of wilderness character.

Undeveloped quality of wilderness character. Blue depicts optimal quality and red depicts degraded quality.

Source: Tricker, J., P. Landres, G. Fauth, P. Hardwick, and A. Eddy. 2014. *Mapping wilderness character in Sequoia and Kings Canyon National Parks*. Natural Resource Technical Report NPS/SEKI/NRTR—2014/872. National Park Service, Fort Collins, Colorado.

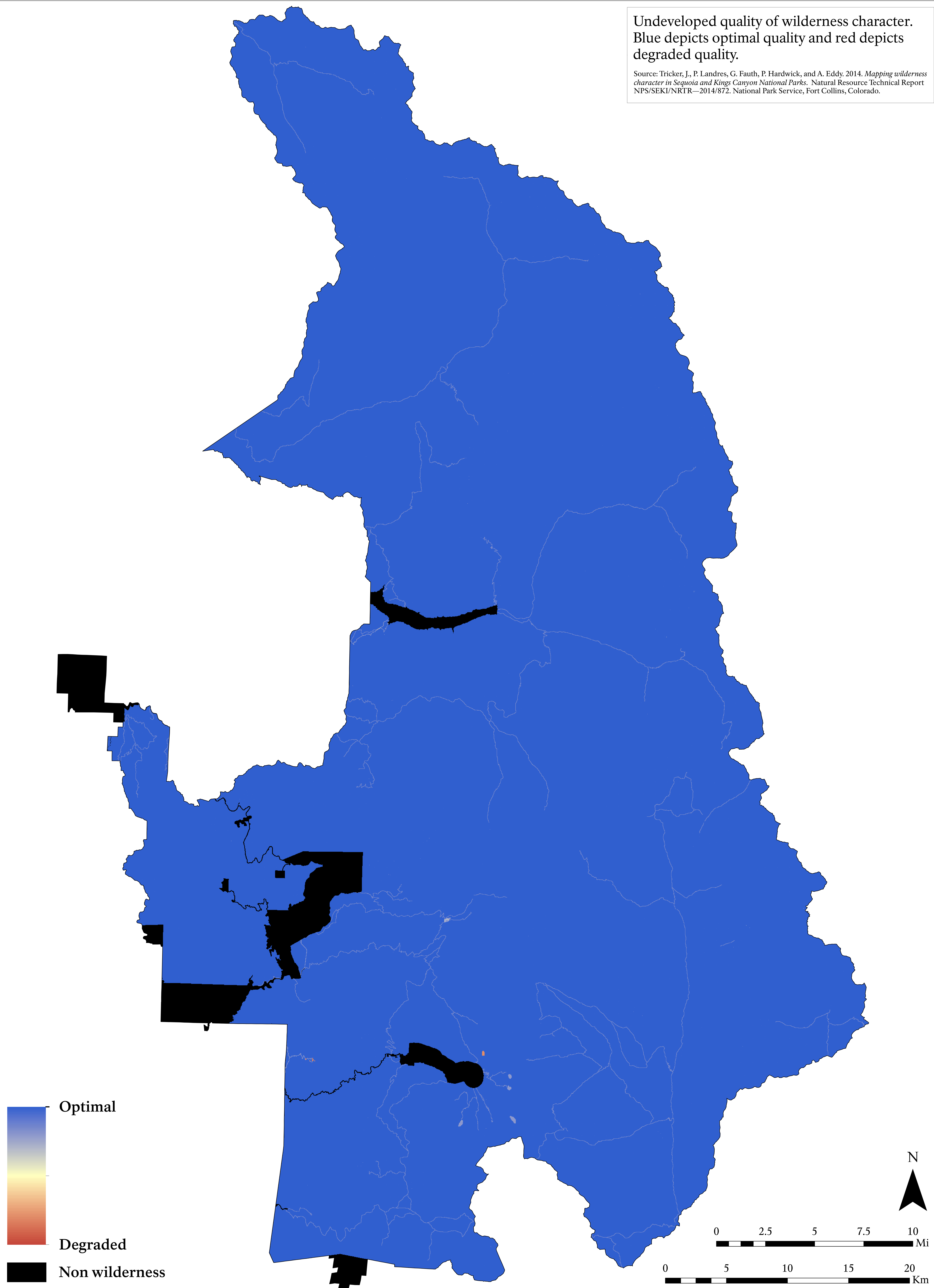


Figure 4. Undeveloped quality of wilderness character.



Solitude or primitive and unconfined recreation quality of wilderness character. Blue depicts optimal quality and red depicts degraded quality.

Source: Tricker, J., P. Landres, G. Fauth, P. Hardwick, and A. Eddy. 2014. *Mapping wilderness character in Sequoia and Kings Canyon National Parks*. Natural Resource Technical Report NPS/SEKI/NRTR—2014/872. National Park Service, Fort Collins, Colorado.

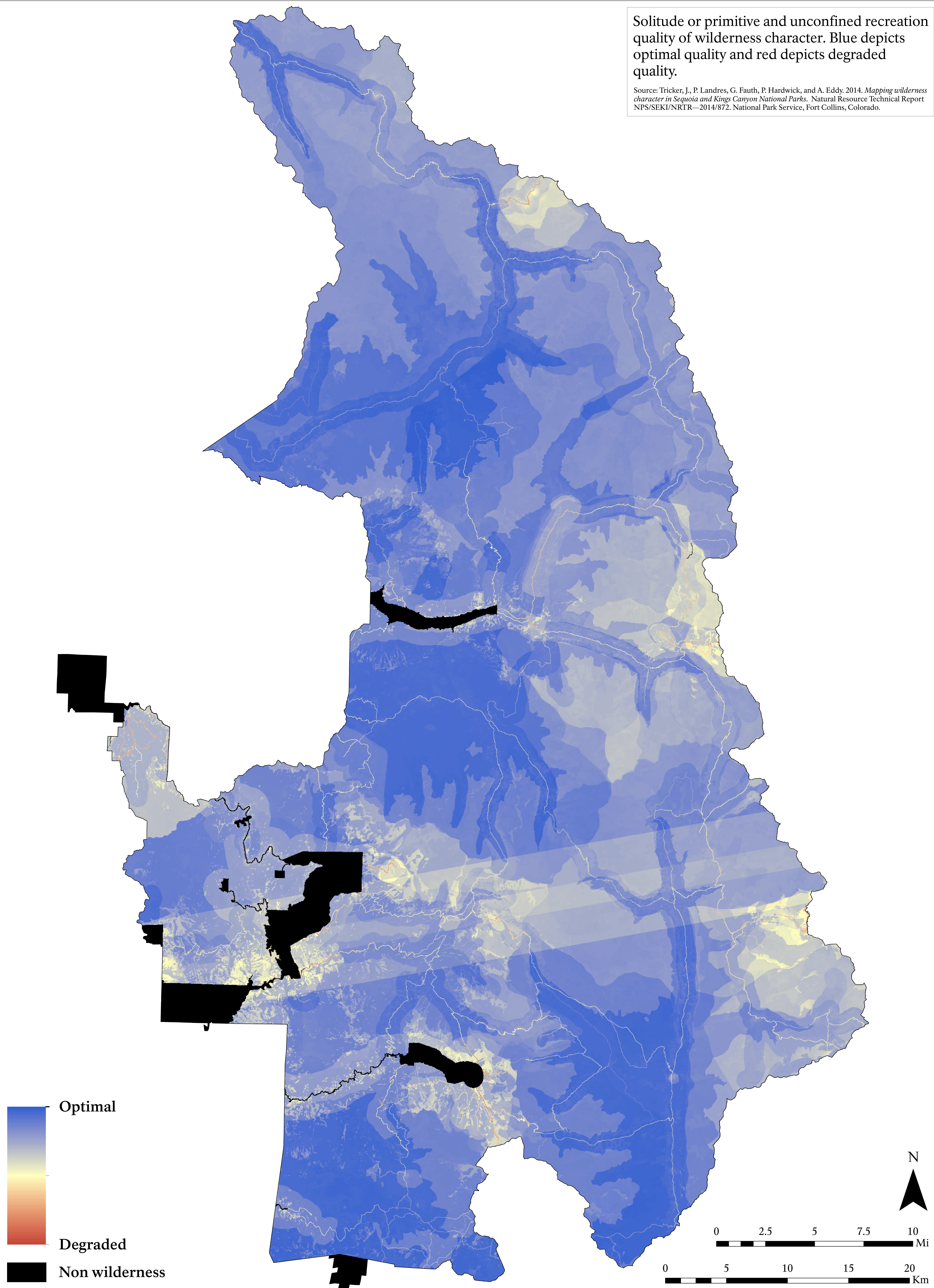


Figure 5. Solitude or primitive and confined recreation quality of wilderness character.



Wilderness character in Sequoia and Kings Canyon National Parks. This map results from the combination of each of the four qualities of wilderness, including natural, untrammeled, undeveloped, and solitude or primitive and unconfined recreation. Blue depicts optimal quality and red depicts degraded quality.

Source: Tricker, J., P. Landres, G. Fauth, P. Hardwick, and A. Eddy. 2014. *Mapping wilderness character in Sequoia and Kings Canyon National Parks*. Natural Resource Technical Report NPS/SEKI/NRTR-2014/872. National Park Service, Fort Collins, Colorado.

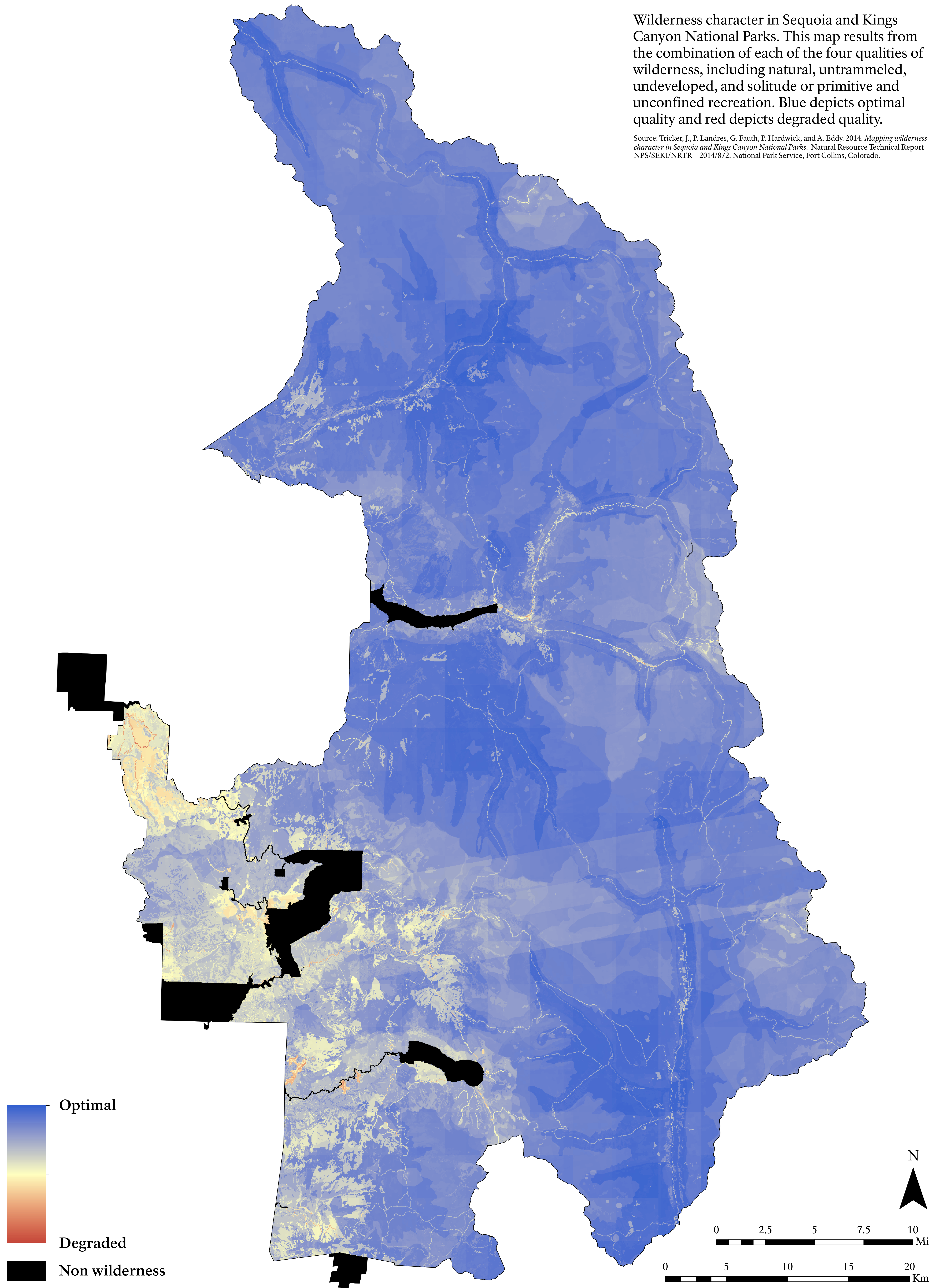


Figure 6. Map of overall wilderness character for Sequoia and Kings Canyon National Parks.

References Cited

Tricker, J., P. Landres, G. Fauth, P. Hardwick, and A. Eddy. 2014. Mapping wilderness character in Sequoia and Kings Canyon National Parks. Natural Resource Technical Report NPS/SEKI/NRTR—2014/872. National Park Service, Fort Collins, Colorado.

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NPS 102/124618, May 2014

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