

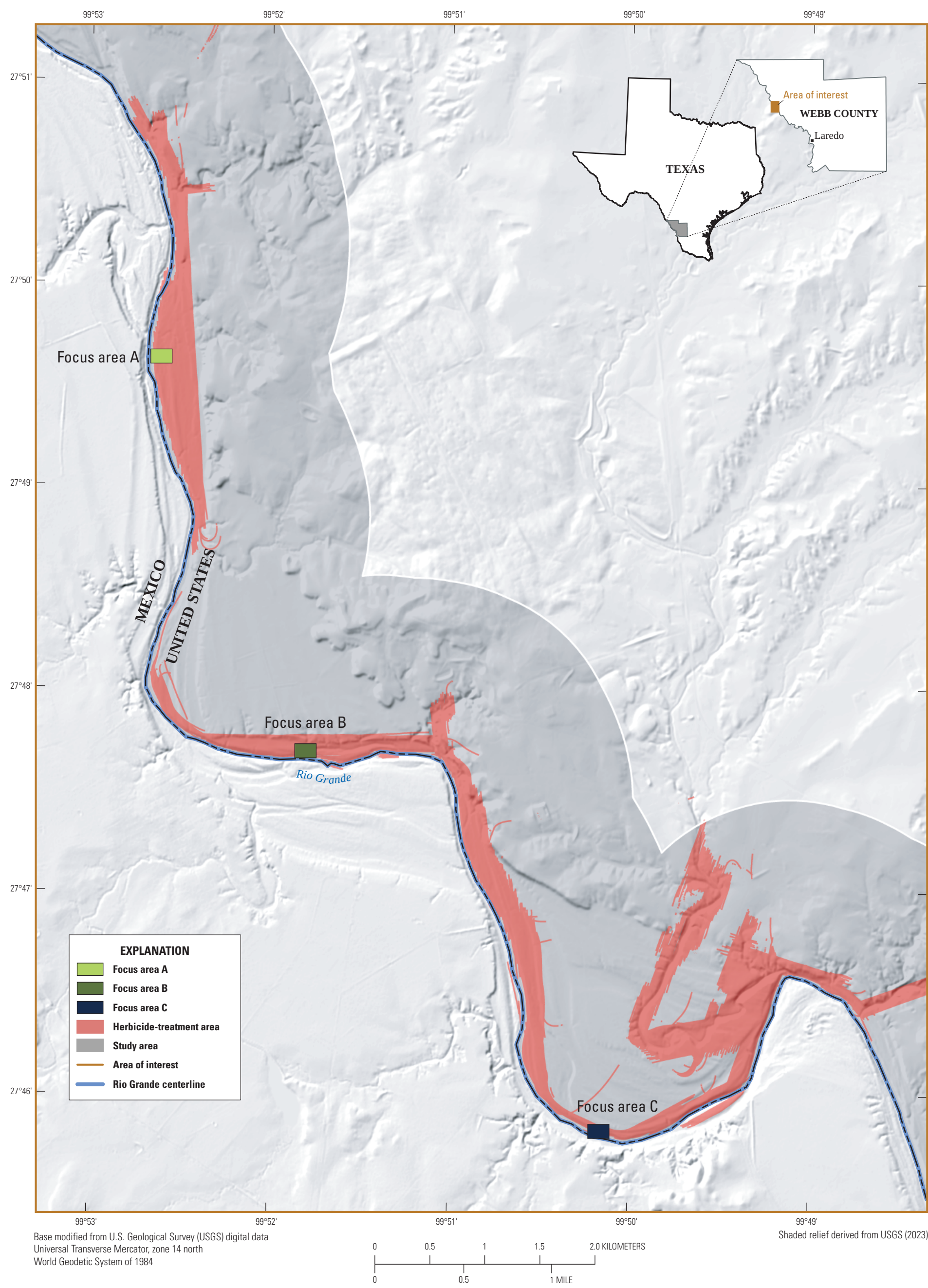


Figure 1. The area of interest, the study area, the herbicide-treatment area, and three focus areas along the Rio Grande in Webb County, Texas.

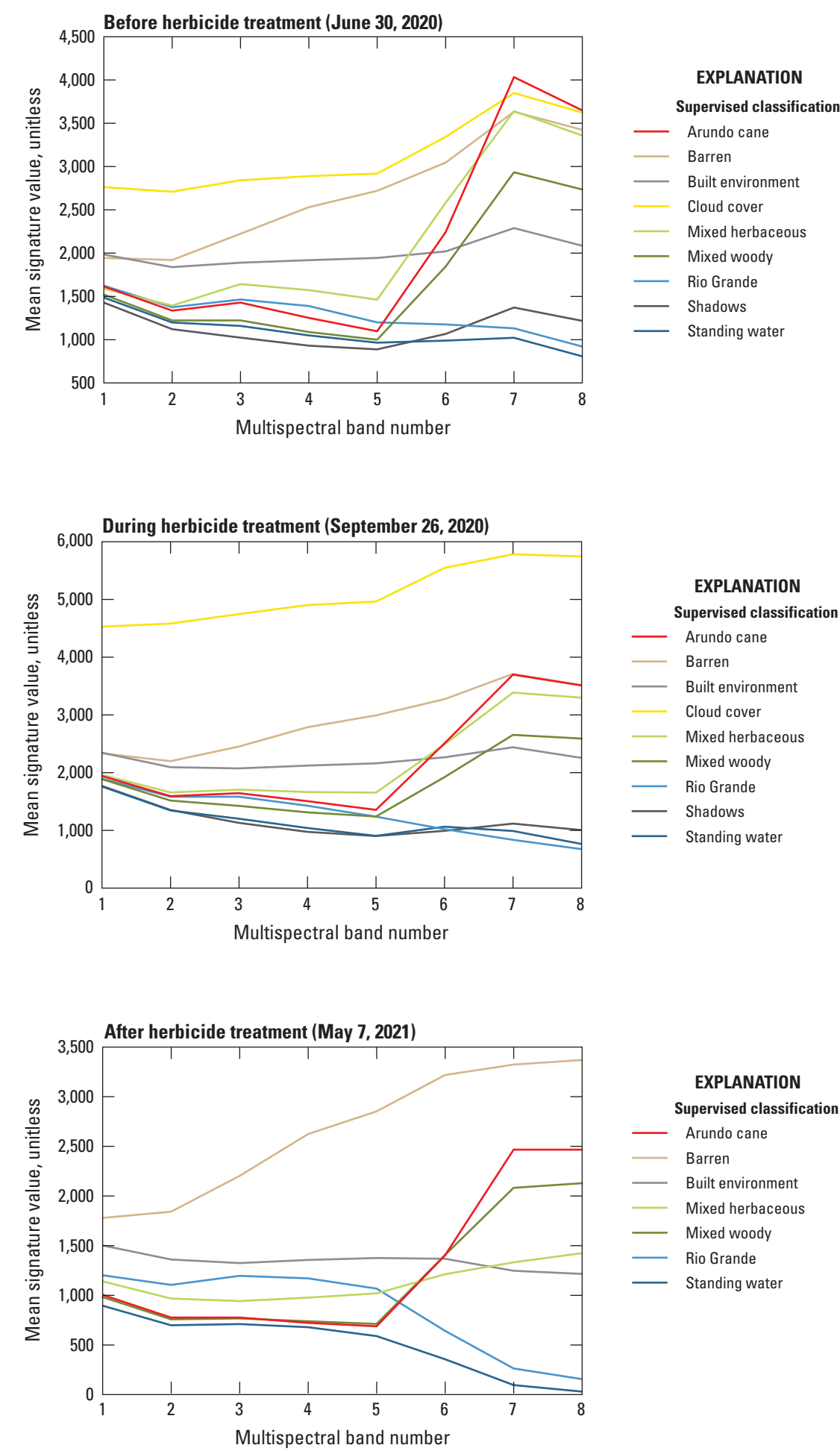


Figure 2. Signature mean plots for the supervised classification of nine cover classes in the study area along the Rio Grande in Webb County, Texas. Each plot shows the mean pixel values for the signature training samples collected from multispectral imagery before (June 30, 2020), during (September 26, 2020), and after (May 7, 2021) herbicide treatment. Multispectral band 1, coastal; band 2, blue; band 3, green; band 4, yellow; band 5, red; band 6, red edge; band 7, near infrared 1; band 8, near infrared 2.

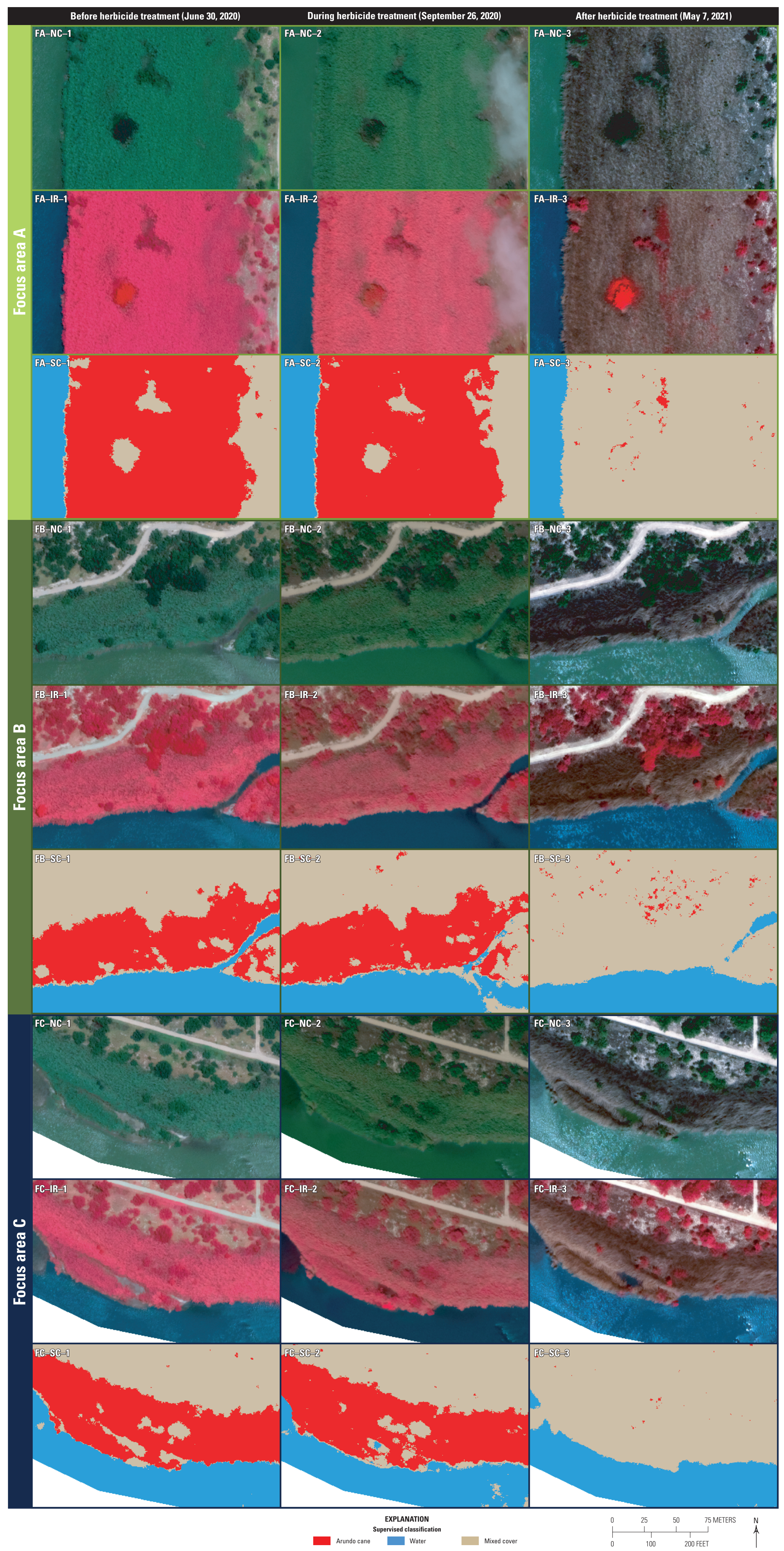


Figure 3. Focus areas A, B, and C before, during, and after herbicide treatment along the Rio Grande in Webb County, Texas, 2020–21. [FA, focus area A; FB, focus area B; FC, focus area C; NC, natural color; IR, infrared; SC, supervised classification; 1, before herbicide treatment; 2, during herbicide treatment; 3, after herbicide treatment]

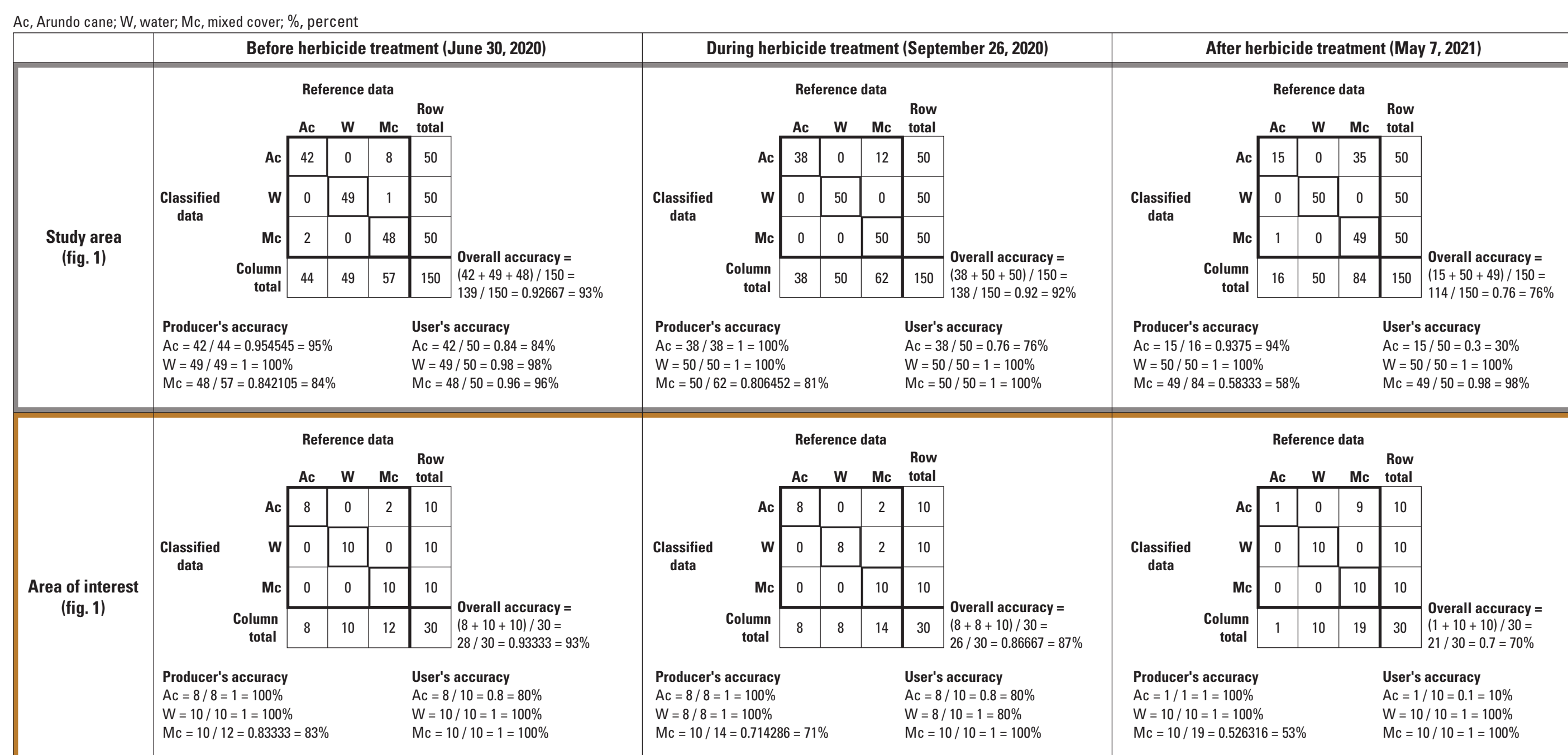


Figure 4. Confusion matrix analysis and accuracy assessment results for supervised classifications in the area of interest and the study area along the Rio Grande in Webb County, Texas. Modified from table 5.1 from Congalton and Green (2019).

Mapping *Arundo donax* (Arundo Cane) With Multispectral Imagery Before, During, and After Herbicide Treatment Along the Rio Grande in Webb County, Texas, 2020–21

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