

A map of the study area in the Karamay region, Xinjiang, China. The map displays various land cover types color-coded according to the legend: green for forest, yellow for grassland, brown for bare land, blue for water bodies, and white for urban areas. Administrative boundaries are shown as solid black lines, while county boundaries are indicated by dashed red lines. Key locations labeled include 'KARAMAY' at the top left, 'HOTAN' in the center, and 'DA' on the right edge. A scale bar at the bottom indicates distances from 0 to 10 km. The map also shows contour lines representing elevation.

