Land Cover in the Lower Forty-Eight (A) Although Honey Lake in northeastern California experiences some natural fluctuation in its water levels, overall water loss is increasing from year to year as a result of drought and agricultural practices. These three images, representing land cover around Hone Lake in 2001, 2006, and 2011 (left to right), revea changes in surface water area over time. (Gray areas represent the exposed lake bed, which are mapped as barren.) trees in many mountainous regions of the western United States, including the Black Hills of South Dakota. In these 2001, 2006, and 2011 (left to right) images of land cover in the Black Hills, you can see how healthy evergreens (dark green areas) are succumbing shrub/scrub where infected evergreens have been removed (tan areas among the healthy (C) In these 2001, 2006, and 2011 (left to righ land cover images of Houston, Texas, develo areas consisting of roads, parking lots, buildings, and other human-made structures appear as shades of red. As Houston's George **Bush International Airport (concentration of** red lines and patches in roughly the middle o each image) expanded between 2001 and 201 Arriving at the EROS Center, you traveled across a rural landscape where This printed map shows land cover for a single year. NLCD, in contrast, is the land cover consists primarily of pasture, cropland, small stands of trees, a powerful, interactive database that contains many complex land cover and wetlands. But the land cover around EROS was not always like it is maps spanning multiple years. Using NLCD, it is possible to select any location in the country and compare land cover there at different points in today. It has changed over time, as land cover has across our entire nation. time. Such comparisons (see above) can reveal dramatic, large-scale land Here you see a large printed map of land cover for the conterminous cover changes as well as smaller, more subtle ones. United States. This map is derived from the National Land Cover Database **Key to Land Cover Types** (NLCD), a digital land cover change product created at the EROS Center Determining land cover change in this way provides information vital in collaboration with several other federal agencies. Different colors on for effective land management, conservation efforts, drought and fire the map represent different land cover types. Pick a place on the map prevention, climate change mitigation, urban planning, and other activities undertaken in counties, states, and the nation as a whole. perhaps an area where you are from—and see what the predominant land cover is in that location. Mixed Forest