3.4.2 How is Texas Changing Scramble Game

The “How is Texas Changing?” scramble game is a table-top activity that challenges students to match satellite imagery from different dates and identify changes to the surface features. This game can be played by individuals or in groups. The images and descriptions are scrambled together and placed in the center of the game surface. Students select cards and find the matching descriptions of images. This game is suitable for grade 4 - 12, but probably more suitable for younger students.

The images and description cards on the following pages are designed to be printed one-sided. Laminating the pages before separating the individual images and descriptions is highly recommended.

All imagery was captured from the Texas Watershed Viewer. See the How is Texas Changing Imagery Key for those links.
A clear blue lake shrinks, and lake bottom is exposed.

Heavy rains raise lake levels to flood numerous islands and fill a lake with sediment.
Where erosion etches a deep canyon into a flat plateau, rains fill small lakes in farmland.

A wildfire burns through coastal marsh grasslands; a road acted as a firebreak.
A river enters and bay behind a barrier island and its delta expands.

A wildfire burns through wooded hills and towns.
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Wildfire burn in mountainous area expands dramatically and encircles a small city.

Turbulence & salty storm surge from Hurricane Ike destroy vegetation along Gulf of Mexico coastline.
Farmland is flooded to develop a water reservoir; residential, municipal, and industrial development follows.

Airport expands over cropland, and residential and industrial development swells.
Heavy rains/flooding carry sediment-laden water into coastal bays and the Gulf of Mexico.

Oil fields expand surrounding two west Texas arid-region cities.