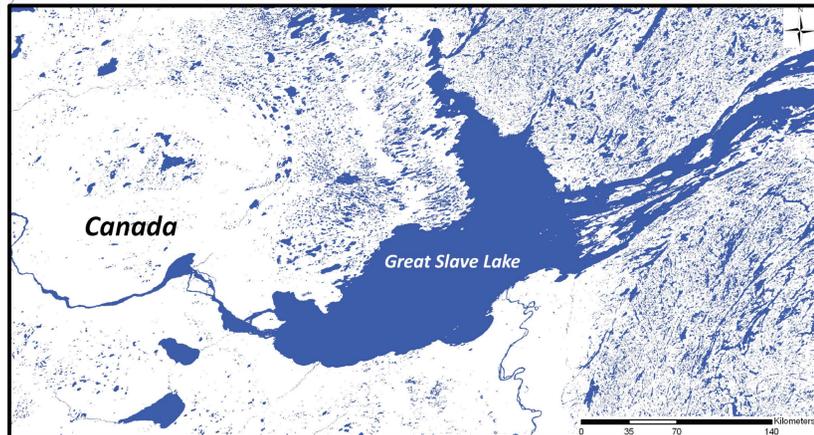
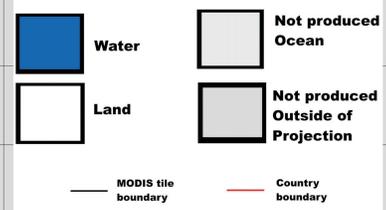
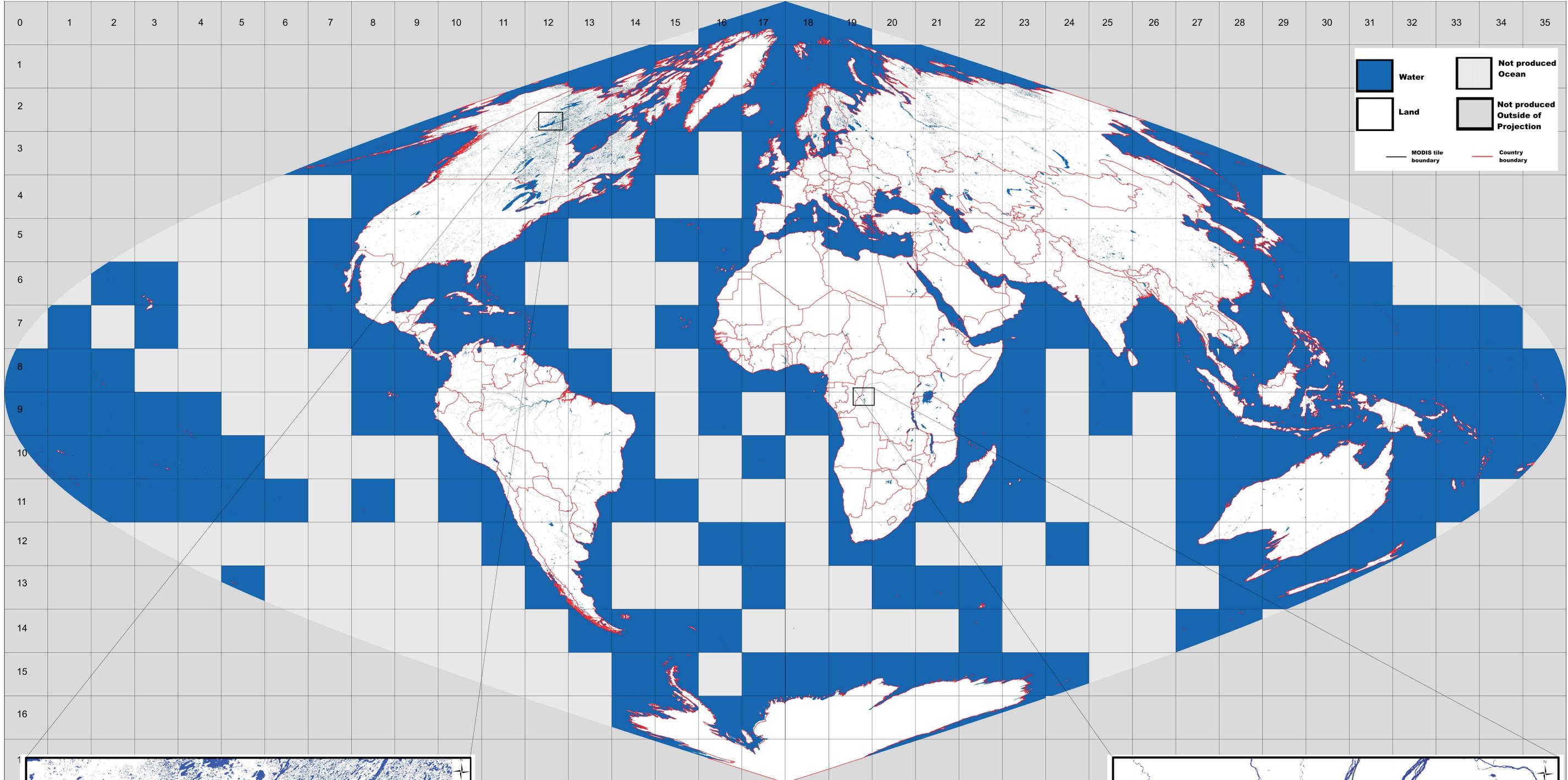




A New 250m Land Water Mask Using MODIS and SRTM

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The new 250m global raster water mask has been created using data from the Shuttle Radar Topography Mission (SRTM) Water Body Data set (SWBD) in conjunction with 250m resolution data from the Moderate Resolution Imaging Spectroradiometer (MODIS) to create a comprehensive mask which is temporally and spatially consistent. This new mask will be used for processing of MODIS data as well as data from future satellite missions and data products. The new data set improves the spatial resolution from 1km to 250m spatial resolution allowing the user to have a more complete understanding of the ground cover in an image or data product. This is of critical importance for algorithms that are parameterized to process data differently if the underlying surface is land or water, examples include Land Surface Temperature, Fire and Thermal anomalies, and Surface reflectance. The new mask is available in standard MODIS tile format via the WIST interface at the Land Processes Distributed Active Archive Center (LP-DAAC) and in alternative formats through the Global Land Cover Facility (GLCF) at <http://www.landcover.org/data/watermask>. This product was created under funding provided by NASA's Earth Science Division, Terrestrial Ecology program grant/cooperative agreement #NNX08AT97A.

