

METADATA

Dataset

Mapped distribution of tidal flats across China, Manchuria and Korea (1952-1964)

Citation:

Murray, Nicholas J; Wingate, Vladimir R; Fuller, Richard A (2014) Mapped distribution of tidal flats across China, Manchuria and Korea (1952-1964).

Related to:

Murray, Nicholas James; Clemens, Robert S; Phinn, Stuart R; Possingham, Hugh P; Fuller, Richard A (2014) Tracking the rapid loss of tidal wetlands in the Yellow Sea. *Frontiers in Ecology and the Environment*, 12(5): 267-272. doi:10.1890/130260

Description

A map of the tidal flats of China, Manchuria and Korea depicted in US Army Map Service Series L500, L542 and L552 topographic maps (compiled between 1952 and 1964). The topographic maps were georeferenced against prominent topographical features in L1T processed Landsat imagery and the foreshore flat class was manually delineated. For further information refer to Murray et. al. (2014).

The dataset presented here show the distribution of tidal flats in the People's Republic of China (PRC), Republic of Korea (ROK) and Democratic People's Republic of Korea (DPRK) as mapped between 1952 and 1964 by the US Army Map Service. The data is provided in shapefile format. Data in the *.dbf file are in a tabular format where each row provides the year that the source topographic map was originally compiled.

Key words

Tidal flat, intertidal wetland, coastal wetland, mudflat, foreshore flat.

Geographic Extent

Vietnam-China border (21°32'N, 108°1'E) to the eastern Democratic People's Republic of Korea-Republic of Korea border (38°36'N, 128°21'E).

Date

Beginning date: 1952

Ending date: 1964

Data Quality

The topographic maps were georeferenced against prominent topographical features in L1T processed Landsat imagery and the foreshore flat class was manually delineated. The complete coastline over the geographic extent was mapped. The maps were produced from topographic maps, hydrographic, aerial photography sources; refer to individual topographic maps for reliability diagrams.

Format

The data is provided in ArcGIS shapefile format. The shapefile includes eight associated files. Data in the *.dbf file are in a tabular format where each row provides the year that the tidal flat was originally mapped or compiled. The column headers are provided in the table below.

Column	Description
Source	US Army Map Service (Series L500, L542, L552)
Year	The year that the topographic map depicting the tidal flat was compiled.
Country	Country of mapped tidal flat
Citation	Murray, N. J., R. S. Clemens, S. R. Phinn, H. P. Possingham, and R. A. Fuller. 2014. Tracking the rapid loss of tidal wetlands in the Yellow Sea. <i>Frontiers in Ecology and the Environment</i> 12:267-272. doi: 10.1890/130260
Cite	Murray, Nicholas J; Wingate, Vladimir R; Fuller, Richard A (2014) Mapped distribution of tidal flats across China, Manchuria and Korea (1952-1964).

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Metadata date

Metadata created on 27/10/2014.