## Content

1. [Landcover Legend Categories](#_Landcover_Legend_Categories)
2. [Change Analysis Legend Categories](#_Change_Analysis_Legend)
3. [Geographic Reference System Parameters](#_Reference_System_Metadata)
4. [Licensing](#_Licensing)

Clark Labs, in partnership with the [**Gordon and Betty Moore Foundation**](https://www.moore.org/) and in support of the Foundation’s [**Oceans and Seafood Markets Initiative**](https://www.moore.org/initiative-strategy-detail?initiativeId=oceans-and-seafood-markets-initiative), is mapping an inventory of pond aquaculture and coastal habitats around the world. Sixteen countries thus far have been mapped for landcover for the years 1999, 2014, and 2018. Several of these countries have been mapped to include 2020. Along with landcover, for each country a change analysis is performed at the provincial or state level between all years mapped. In addition to downloading the data you can explore the data using an [**interactive web map**](http://www.aquaculture.earth/coastal/index.html).  
  
The landcover maps for 2014 and greater are based on Landsat 8 imagery. Landcover maps for 1999 data are based on Landsat 5 imagery. Three main landcover categories are mapped: mangrove, coastal wetland, and pond aquaculture. When possible, a distinction is made between fresh and brackish pond aquaculture. The study area of the coastal zone for mapping landcover is defined as a zone 10 km on either side of the coastline. Where necessary, the zone is extended to include land areas <= 5 m in elevation to a maximum extension of 60 km inland from the coast. The primary concern is to limit the inland extent to areas where it was likely that pond aquaculture would be dominated by brackish water and thereby have a stronger likelihood of being used for shrimp. See the [**Reports**](https://clarklabs.org/aquaculture/coastal-habitats-reports/) page for complete detail on the methodology. As more countries and dates become available, they will be posted.

## Landcover Legend Categories

1 : Mangrove

2 : Coastal Wetland

3 : Pond Aquaculture

4 : Water

5 : Other Landcover

6 : Missing

## Change Analysis Legend Categories

1 : Mangrove Persistence

2 : Mangrove -> Pond

3 : Mangrove -> Other

4 : Mangrove -> Water

5 : Pond Persistence

6 : Pond -> Mangrove

7 : Pond -> Other

8 : Pond -> Water

9 : Other -> Pond

10 : Wetland Pond

11 : Wetland -> Pond

12 : Wetland -> Other

13 : Water Persistence

14 : Water -> Mangrove

15 : Water -> Pond

## Geographic Reference System Parameters

|  |  |
| --- | --- |
| Reference System | Normal Aspect Cylindrical Equal Area |
| Projection | CylindricalEA |
| Datum | WGS84 |
| Delta WGS84 | 0 0 0 |
| Major s-axis | 6378137.000 |
| Minor s-axis | 6356752.314 |
| Origin Longitude | 0 |
| Origin Latitude | 0 |
| Origin X | 0 |
| Origin Y | 0 |
| Scale Factor | 1.0 |
| Units | Meters |
| Standard Line 1 | 15 |
| Standard Line 2 | -15 |

Note: WGS84 refers to the Molodensky constants delta X, delta Y and delta Z

## Licensing

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