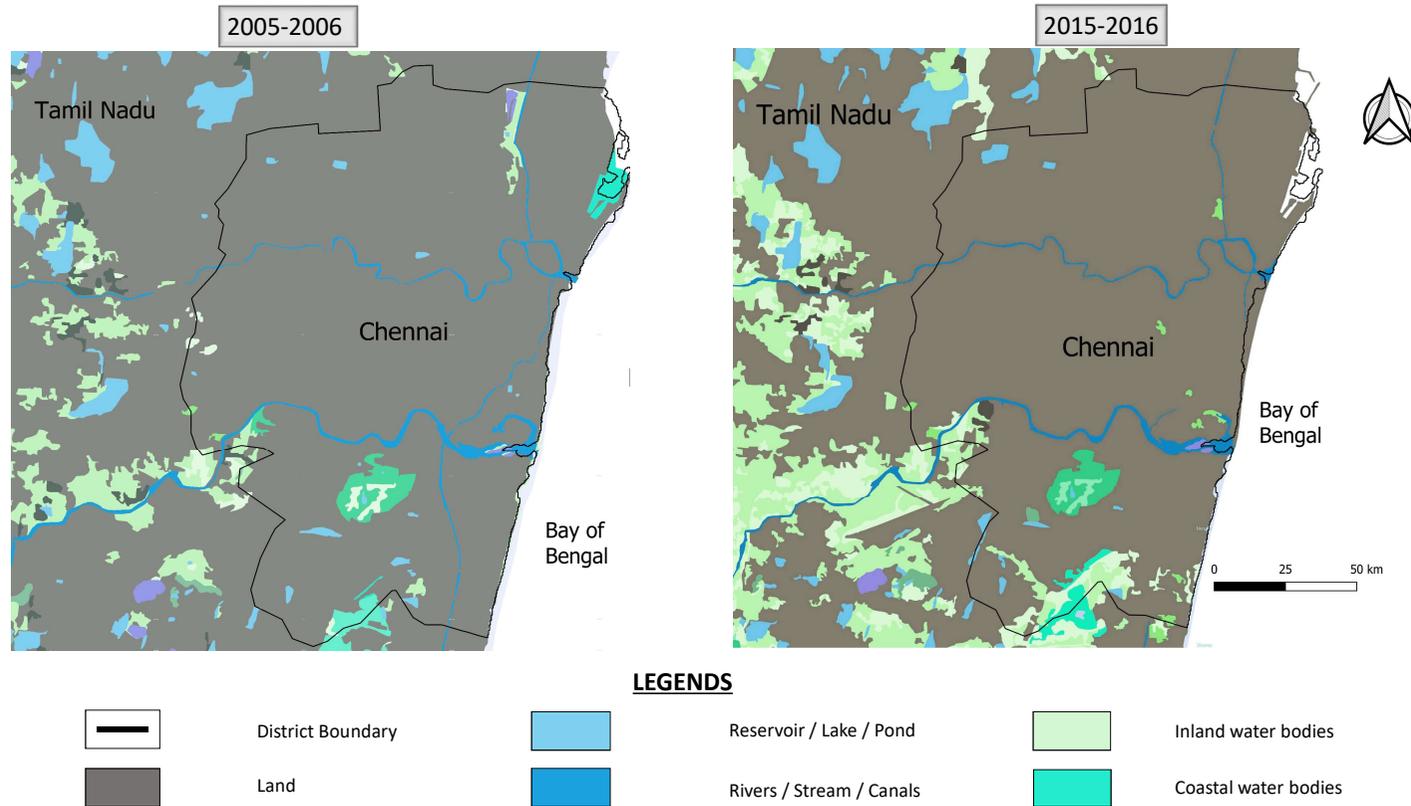


# Change Detection of Water bodies in Chennai



## MAP DESCRIPTION

### Introduction

As years rolls on, the changes in the environment have brought significant impact and attention to the public. The coastal city of Chennai has a metropolitan population of 10.6 million as the city lacks a perennial water source, catering the water requirements of the population has remained an arduous task.

**Location:** 13°04'57.7"N 80°16'14.5"E.

**Area of Target City:** 426 km<sup>2</sup>.

**Area of water bodies :** 12.6 square kilometers in late 20's , 3.2 square kilometers at present.

**Length of the sea line:** 19 km comprising the world's second longest beach - Marina beach.

**Total no of lakes:** 39 of which the Chembarambakkam Lake 25 km away from Chennai is the largest one with the surface area of 3,800 acres (15 km<sup>2</sup>).

**No of rivers:** Total no of the rivers flowing in the city is 3 namely Adyar River, Cooum River, Kosasthalaiyar River running for about 42, 64, and 126 respectively.

**Topic Name:** Water bodies Changes

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