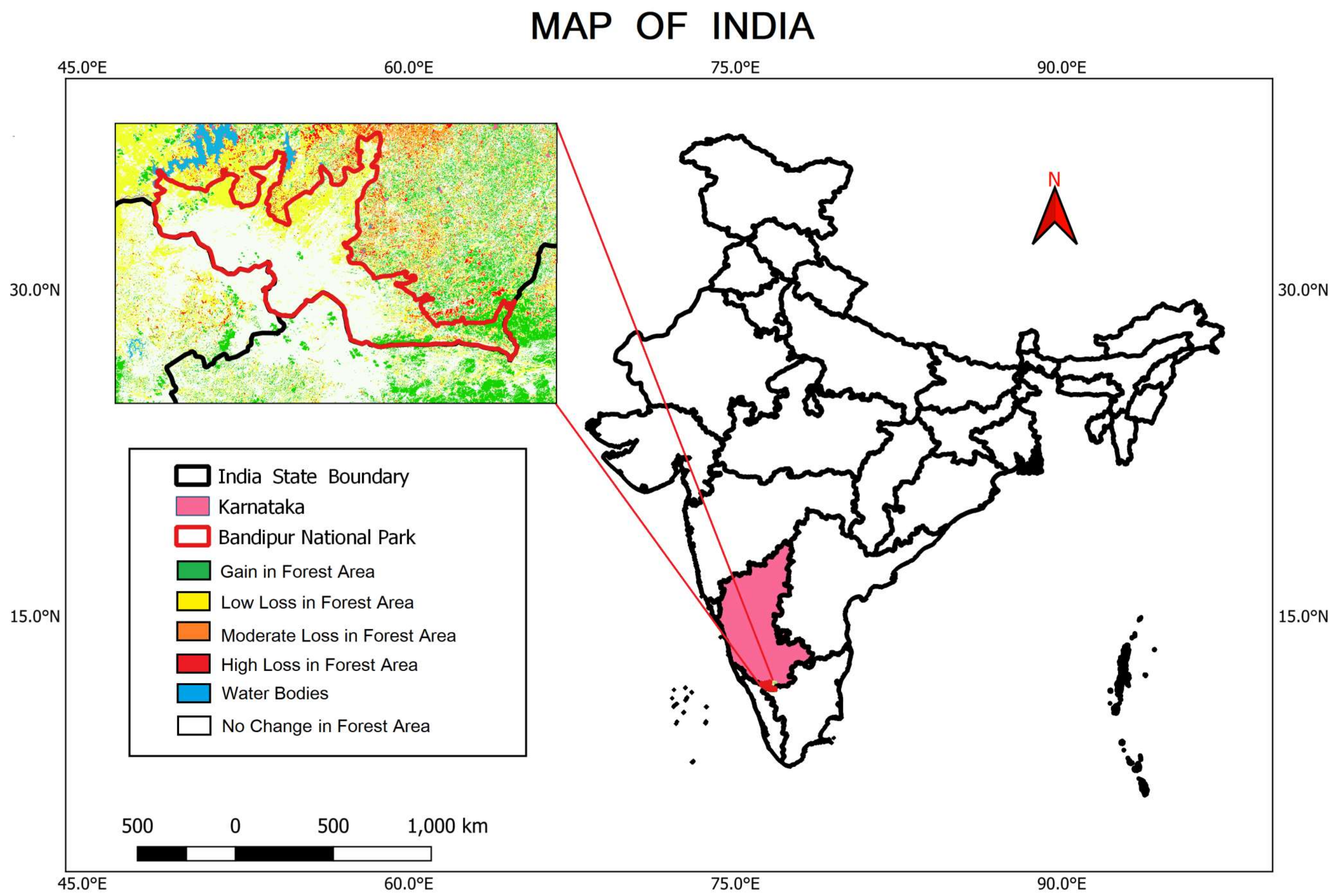


Title: Detection of land cover and land change of Bandipur National Park,Karnataka using AWIFS data from 2007 to 2017

Map description and analysis



Introduction:

- Bandipur National Park situated in the western Ghats of Karnataka, which is the state with the second highest tiger population in India
- Bandipur National Park located between 75°12'17"E to 76°51'32" E and 11°35'34"N to 11°57'02"N
- **Area:** 874-sq.-km
- **Elevation:** 680 meters (2,230 ft) to 1,454 meters (4,770 ft)
- **Data used:** Resourcesat-1/Resourcesat-2, AWiFS datasets.
- **Steps in QGIS:**
Preprocessing>Creating Bandset>Creating classes >Classification>Change Detection>Mapping.
- **Applications/Uses**
 - Monitor deforestation, landscape and habitat fragmentation and other cumulative changes.
 - Detecting the zones that are at high and moderate risks of forest fire and preparing a well in advance strategies to tackle this problem.



Team Name: ABHIMANYU

Topic: Change in Forest Area Map

Team member/lead: Sandeep Nandi

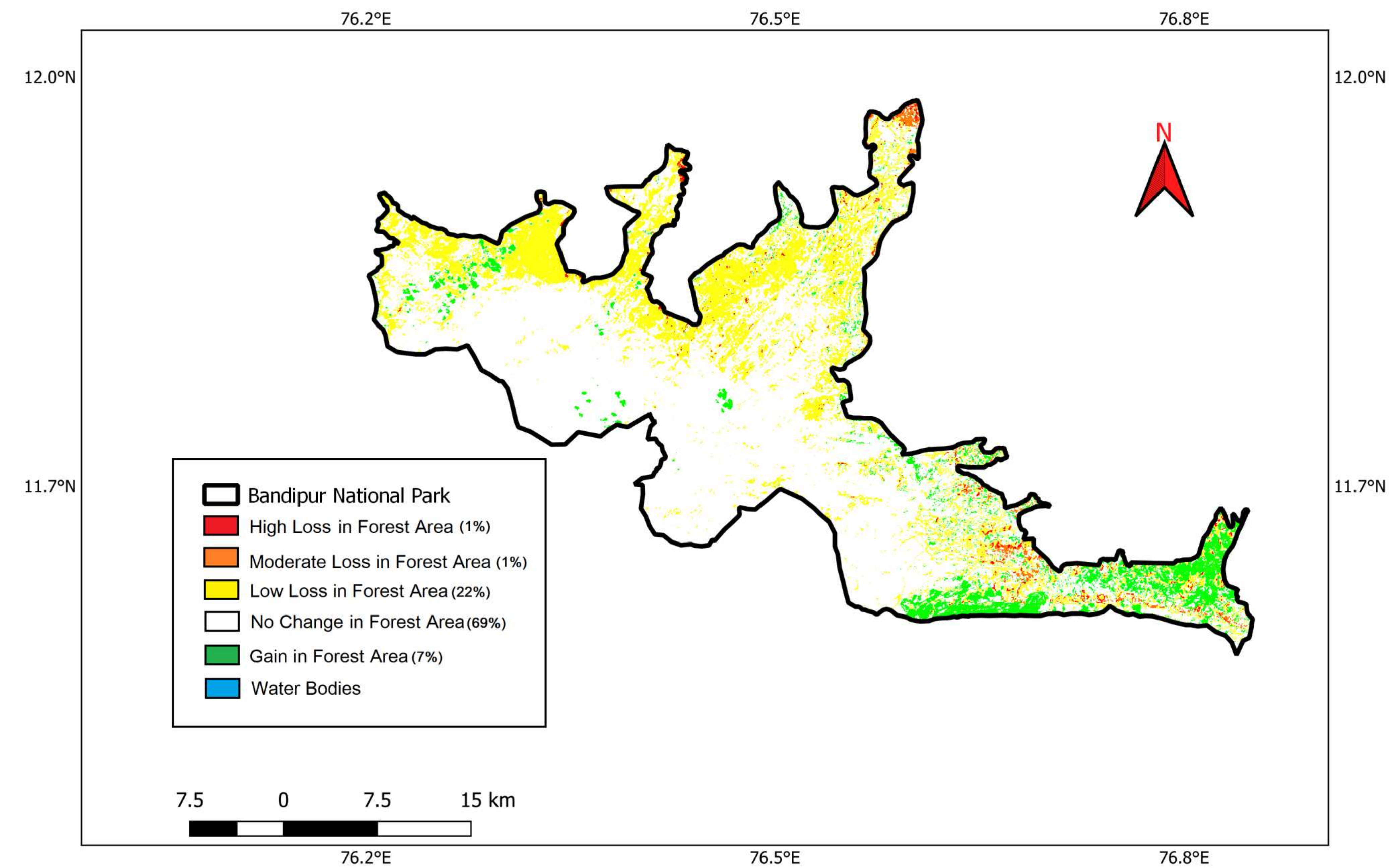
Institution: Vellore Institute of Technology, Chennai

Contact/email: nandisandeep21@gmail.com

Title: Detection of land cover and land change of Bandipur National Park, Karnataka using AWIFS data from 2007 to 2017

Map description and analysis

BANDIPUR NATIONAL PARK



Introduction:

- Bandipur National Park located between 75°12'17"E to 76°51'32" E and 11°35'34"N to 11°57'02"N
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- Applications/Uses**
 - Monitor deforestation, landscape and habitat fragmentation and other cumulative changes.
 - Detecting the zones that are at high and moderate risks of forest fire and preparing a well in advance strategies to tackle this problem.
- Change in Area**
 - Change of High loss area = 8.74sq-km(1%)
 - Change of Moderate loss area = 8.74sq-km(1%)
 - Change of Low loss area = 192.28sq-km(22%)
 - Change of No loss area = 603.06sq-km(69%)
 - Change of Gain in forest area = 61.18sq-km(7%)



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