



KAMARAJ IAS ACADEMY
Only IAS Academy by Grandson of "Per.uthalaivar Kamarajar"

MAP OF THE DAY 12-05-26

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Kamaraj IAS Academy

Plot A P.127, AF block, 6 th street, 11th Main Rd, Shanthi Colony, Anna Nagar, Chennai, Tamil Nadu 600040

Phone: **044 4353 9988 / 98403 94477** / Whatsapp : **09710729833**



KAMARAJ IAS ACADEMY

MAP OF THE DAY WORLD

CONTACT US

+91 9840394477 | kamarajiasacademy@gmail.com | www.kamarajiasacademy.com

KAMARAJ K
HONORARY DIRECTOR



Thursday, 07 May 2026



Lake Sevan

Geographic Location & Physical Setting

- **Lake Sevan** is located in **Armenia**, within the **Armenian Highland**.
- Situated at an altitude of about **1,900 meters above sea level**, it is among the **largest high-altitude freshwater lakes in the world**.
- The lake basin is primarily of **tectonic origin**, later modified by **volcanic (lava) activity**.
- Often called the **“Jewel of Armenia”** due to its natural beauty and significance.

Hydrology & Drainage

- **Inflow**: About **28 rivers and streams**, mainly from snowmelt and rainfall.
- **Outflow**: Through the **Hrazdan River**, which supports irrigation and hydropower.
- The lake is **freshwater**, though slightly mineralized.
- Functions as a **natural reservoir**, regulating seasonal water availability.

Economic Importance

- **Hydropower**:
 - The Hrazdan River cascade contributes significantly to Armenia’s electricity generation.
- **Irrigation**: Supplies water to agricultural regions

especially the Ararat plain.

Fisheries:

- Known for endemic species like **Sevan trout (Ishkhan)**.

Tourism:

- Sites like **Sevanavank Monastery** attract visitors.

Ecological Significance

- A **biodiversity hotspot** with unique aquatic ecosystems.
- Supports **wetlands and migratory birds**.
- Plays a role in **regional climate moderation and hydrological balance**.

Environmental Issues

Water Level Decline:

- Excessive withdrawal during the Soviet era led to a sharp fall in water level.

Eutrophication:

- Nutrient inflow causing algal blooms and water quality degradation.

Biodiversity Loss:

- Threat to endemic fish species like Sevan trout.

Climate Change:

- Impacts precipitation and increases evaporation.

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KAMARAJ IAS ACADEMY

MAP OF THE DAY BHARAT

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Parambikulam Tiger Reserve –

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- **Parambikulam Tiger Reserve** is located in **Palakkad District**, in the state of **Kerala**.
- It lies in the **Nelliampathy–Anamalai landscape** of the **Southern Western Ghats**.
- Declared a **Tiger Reserve in 2008–09** under **Project Tiger**.
- It shares ecological boundaries with **Anamalai Tiger Reserve**, ensuring transboundary wildlife movement.

Ecological & Biodiversity Features

- The reserve is part of the **Western Ghats biodiversity hotspot**, recognized globally for high endemism.
- Vegetation includes **tropical evergreen, semi-evergreen, and moist deciduous forests**.
- It hosts diverse fauna such as **tigers, elephants, leopards, gaur, and lion-tailed macaque**.
- The reserve is rich in **endemic flora and fauna**, including rare medicinal plants and threatened species.
- It contains several **artificial reservoirs** like **Parambikulam, Thunakadavu, and Peruvaripallam**, supporting wildlife.

Hydrology & Physical Features

- The area is drained by tributaries of the **Chalakydy**

- It plays an important role in **watershed protection and water resource management** in the region.
- The terrain consists of **undulating hills, valleys, and dense forest cover**, typical of Western Ghats topography.

Tribal & Socio-Economic Aspects

- The reserve is home to **indigenous tribal communities** such as **Kadar, Malasar, and Muduvar**. Tribal populations are actively involved in **eco-development committees and conservation programs**.

- Sustainable livelihood practices include **eco-tourism, forest produce collection, and conservation-based employment**.

Conservation Importance & Challenges

- Recognized as a **model for participatory forest management and eco-tourism initiatives**.
- Plays a crucial role in **wildlife corridor connectivity** between Kerala and Tamil Nadu reserves.
- Faces challenges like **human-wildlife conflict, climate change, and pressure from tourism activities**.
- Conservation efforts focus on **habitat protection, anti-poaching measures, and community**

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