

List of Plates

- Plate 1. a. Climax tropical evergreen forest from the Western Koyna Catchment, near Village Zadoli.
- b. Shivaji Sagar Reservoir of Koyna project with Western Ghats crest line at the background.
- Plate 2. a. Settlements at the beginning of the Koyna river with degraded surroundings.
- b. A typical settlement in the study area showing ample use of wood.
- Plate 3. a. Original thick evergreen forest with excellent undergrowth. Note the Camouflaged Sambar Stag Cervus unicolor.
- b. Tall trees with open spaces in between and scanty undergrowth, a typical habitat for flying squirrel. Petaunista petaurista.
- Plate 4. a. Male Gaur Bas gaurus, the largest herbivor of the study area.
- b. Indian rock python Python molurus on the margin of thick and degraded forest in the Western Catchment.
- Plate 5. a. Deforestation in the Western Catchment around Zadoli Ambeghar area.
- b. Encroachments and truck routes made in the old Shirsinge area for the transport of illegally cut wood.
- Plate 6. a. Clear felling of trees on the slopes in the Kusawade area in the eastern catchment.

- Plate 6. b. Vegetation and trees being freshly destroyed on the major wild animal paths to waterhole.
- Plate 7. a. Agriculture on the margin of dense forests, causing acute animal pest problem outside the catchment but in the Koyna Wildlife Sanctuary.
- b. Traditional shifting cultivation practice on the steep slopes in the study area. Entire area belonging to one household.
- Plate 8. a. Culturable wasteland or grazing land in the eastern catchment with degraded forest at background.
- b. Terrace agriculture in the study area, completely devoid of original vegetation on the slopes.
- Plate 9. a. New settlements in the study area with encroachments on Govt. forest lands in Shirshinge area.
- b. A typical settlement in the study area note the degraded scrub surrounding and few fruit bearing trees in the village.
- Plate 10. a. A herd of Dangri Cattle in the typical alert and compact formation in the totally degraded area in the east catchment.
- b. A Dhangar Gaoji with his buffaloes at a waterhole on plateau in the forested region in west catchment.
- Plate 11. a. Increasing introduction of goats in the environs of the eastern catchment.

Plate 11. b. Beginning of degradation outside the Catchment in the study area, note the exposed land, scrub, waste land, grassland and degraded forest.

Plate 12. a. Fragmented secondary vegetation on the margins of wasteland.

b. Expansion of agriculture near the reservoir banks and settlement with the intact excellent forest on the slope and at the crest region at the background.

Plate 13. a. The crude and temporary roads made deep inside the eastern catchment to connect far off settlements.

b. Roads through good forests are often used to transport wood and at times for poaching.

Plate 14. a. The original climax evergreen forest in the high rainfall region of Koyna for which it was known.

b. The present state of Koyna catchment (eastern) the change is particularly in last the thirty years.