

Restrictions to free transit of people and to land use around Arenal Volcano: As decreed by the National Commission of Prevention of Risks and Emergency Attention (CNE) and published in the Government's Official Diary, La Gaceta # 8, January 11, 2001.

R1: Restricted Zone 1 (Absolute Restricted Zone)

This zone has been impacted, historically or prehistorically, by pyroclastic flows and glowing avalanches, therefore, it is forbidden to build inside this area new tourist infrastructure (lodges, bathhouses, trails, camping sites, canopy tours, hiking, horse riding, roads, rain sheds, complementary storage rooms) or to make bigger the existing facilities.

It is also forbidden in this zone to build new houses inside pre-existing farms or in segregation's of pre-existing farms

R2: Restricted Zone 2

Area under the administration of the Arenal Conservation Area (ACA). This area should have an emergency plan approved by CNE and signs posted that will inform visitors in different languages about volcanic hazards, trails and emergency exits. The only infrastructure allowed in this zone are the signs posted to inform and guide tourists within the zone, as well as trails. Any type of construction is forbidden in this zone

R3: Restricted Zone 3

The only activities allowed in this zone are trailing, horse riding, fishing and other open air activities. No construction or camping facilities are allowed within this area.

R4: Restricted Zone 3

Agriculture, cattle and forestry related activities are allowed, in addition to quarries for construction materials which were functioning in January, 2000. Constructions within this area could not be expanded.

27 Mirador 28 Oficina de Información

As long as Arenal volcano will remain active with the emission of lava flows, pyroclastic flows, volcanic ashes and gases, restricted areas will be divided in two subzones regarding the visit and free transit of people.

SUB 1 Zone:

In this zone there is absolute prohibition for people to visit or to transit. It is only allowed the access of researchers from national volcanology institutions or foreign scientists accompanied by representatives of national volcanology institutions.

The access to SUB 1 Zone is also allowed to emergency attention workers performing rescue operations, or performing surveillance activities as long as they carry proper institutional identification.

Police authorities capturing suspected criminals or investigators from court carrying the proper identification are also allowed to transit and visit the SUB 1 Zone.

It is possible to visit and transit this zone located on the west flank of the volcano. This zone includes the territory administered by ACA and the territories between the La Fortuna-Castillo road and the Arenal lake. allowed to visit only the west flank.

Access will be restricted to small groups (10) under the supervision of ACA personnel up to the 600 m. contour. The only tourist service allowed within this zone is the tour guide service for tour guides certified by the Costa Rican Tourist Institute.

The 5.5 radius around Arenal volcano was defined as follows:

Studying the historic and pre-historic record of Arenal volcanic eruptions, it was found that the maximum distance traveled by a lava flow or by a pyroclastic flow produced by gravitational collapse at the crater rim during the eruption of a lava flow is 4.5 km. from the summit. One kilometer is added as a security margin due to the possibility of having especial conditions that might increase the maximum distance traveled by a lava flow or by a pyroclastic flow, and to cover for events that will leave no stratigraphic record (ie. forest fires or clouds of turbulent hot gases) despite of having the potential of threating lives.

Both eruptive processes, lava flows and pyroclastic flows, occur when the volcano has an open conduit regime, that is, after the initial explosions that clear the volcano conduits during an eruptive cycle.



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