The Tefenni (Burdur) plain is an important closed plain in the Eastern Mediterranean Region. This plain is one of the rare regions which are not observed of groundwater scarcity in the Turkey. But, groundwaters in the plain are densely used for different purposes such as drinking, domestic, irrigation and industrial without taking into account availability. In addition, Karataş Lake which has important water potential is also used for irrigation. The aim of this study is to investigate the availability of the groundwaters in the Tefenni plain. For this purpose, 28 water samples representing Tefenni plain were taken from the surface water, spring and wells in dry (July-2009) and wet periods (May-2010). These results of chemical analyses were evaluated using different standards and diagrams.