

**DEFINED METHODOLOGY FOR DELINEATION OF GROUNDWATER BODIES
ACCORDING TO WATER FRAMEWORK DIRECTIVE AND SUGGESTIONS FOR
TURKEY**

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EXPERTISE THESIS ABSTRACT

The aim of this thesis is to evaluate the feasibility of proposed methodology of delineation of groundwater bodies within the frame of the WFD CIS Guidance Document No:2 for our country and to make proposals.

Within this framework, firstly the proposed methodology for the delineation of groundwater bodies is stated. Technical information on the groundwater is given for the implementation of the said methodology. Then, the related studies of England, Ireland, Netherlands and Spain on the subject are examined. Finally, providing information about the relevant legislation and studies of our country, the issues needed to be considered in the delineation of groundwater bodies are indicated.

As a result; it can be stated that the methodology indicated in the Guidance Document No. 2 is feasible for our country. However, the sufficient amount of groundwater use (10 m³ / day) which is the criteria set for the delineation of an aquifer, is considered to be a very small amount for our country. Ensuring the coordination of relevant institutions together with the related academicians for the groundwater body delineation, envisages the creation of a permanent technical Groundwater Working Group.

Key Words: European Union, Water Framework Directive, River Basin Management Plans, Water Body, Groundwater, Common Implementation Strategy, Guidance Document.