Area (Sq.km)	53,484			
Physiography	Ganga Plain, Siwalik Hills, Lesser Himalayas, Central Himalayas			
Drainage	The State is drained by major perennial rivers like Ganga, Yamuna, Ramganga, Sarda and Kali and their tributaries.			
Rainfall (mm)	1523			
Total Districts / Tehsils	13 Districts			

State Profile Ground Water Scenario of Uttarakhand

Hydrogeology

The predominantly hilly State of Uttarakhand has a varied hydrogeological setup and can be divided broadly into two distinct hydrogeological regimes viz. the Gangetic alluvial plain and the Himalayan mountain belt. The former is covered with a vast expanse of alluvium and unconsolidated sedimentary material of varying size fractions (ranging from boulder to clay) and is a promising zone for ground water development. The latter zone, being predominantly hilly, offers much less potential for large scale development of ground water. Ground water in the hilly region occurs mostly in fissures/fractures and emerges as springs. The springs are amenable to small scale development of ground water resources in the State. The yield of tube wells in Siwalik formation ranges from 50.4 m3/hr to 79.2 m3/hr, in Bhabar formations yield is upto 332.4 m3/hr. In Tarai belt yield of tubewell ranges 36m3/hr to 144 m3/hr and in Indo-Gangetic plain yield varies from 90 m3/hr to 198 m3/hr.

Dynamic Ground Water Resources (2011)		
Annual Replenishable Ground water Resource	2.17 BCM	
Net Annual Ground Water Availability	2.07 BCM	
Annual Ground Water Draft	1.05 BCM	
Stage of Ground Water Development	51 %	
Ground Water Development & Management	t	
Over Exploited	NIL	
Critical	2 Blocks	
Semi- critical	28 Blocks	
Artificial Recharge to Ground Water (AR)	 Areas identified for AR: 13542 sq km Volume of water to be harnessed: 6578 MCM Volume of water to harnessed through RTRWH: 13.67 MCM Feasible AR structures: Percolation tank- 450 Check Dams- 2300 Recharge shaft- 150 RTRWH(H)- 47500 RTRWH(H)- 750 	
Ground Water Quality Problems		
Contaminants	Districts affected (in part)	
Nitrate (>45 mg/l)	Dehradun, Hardwar, Udham Singh Nagar	
Iron (>1.0 mg/l)	Dehradun, Hardwar, Udham Singh Nagar	

Central Ground Water Authority

Areas Notified for Regulation of ground water development	NIL	
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