

Hydrogeological Survey in Faryab-Afghanistan

FORM T-1: TRAINING COURSE SUMMARY SHEET	V1	NORPLAN 
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1.3_drilling_methods:2013 06 29 Summary sheet 1 3 Well Drilling.docx

Course title		<i>Course no 1.3</i>	
Hydrogeology I Well Drilling Methods		<i>Date prepared</i>	
		29-06-2013	
Training purpose	Enhance the capacity of hydrogeologists in the supervision of water well drilling projects, proper collection of field data and preparation of drilling reports.		
Target group	Education level: (degree/ technicians etc) Hydrogeologists & water well drilling supervisors	Experts/ national planners/ provincial/ district Experts at the National, Provincial and District level.	
Course details	Course language(s) Dari		
	Duration(days): 4 Days	No. participants/ course: 15	Theoretical /practical/training? 1 3
	Planned course location(s): MRRD RuwatSIP, MEW Drilling Center, Pule Charkhi, Jalalabad, MEW Laboratory in Wapeca Building, Airport	Responsible presenter National & International experts	Handouts to be prepared by: Presenter
Summary syllabus	Well drilling methods Basic principles, cable tool percussion, hydraulic rotary drilling, air rotary drilling Drilling fluids and drilling mud. Drilling supervision and field data collection Drilling rig maintenance, spare part management, health and safety, sampling methods, drilling penetration rate, lithological logging, core logging, water strikes, water quality while drilling, field data sheets, sieve analysis, design of wellhead. (prepared by course presenter)		
Training equipment required	Listing of equipment to be made available for course: Overhead projector, beamer, white board, for presentation. Drilling rigs (Rotary and Cable tools rigs with all necessities). Laboratory equipment (sieves etc)		
Training material	Can existing material be used? If so what and from where? Stationary, hand out teaching material provided by NORPLAN Access to Laboratory equipment provided by MEW Drilling Center, Pule Charkhi, Jalalabad & MEW Laboratory in Wapeca Building, Airport. If no, what material needs to be developed? Moreover, by who? All syllabus material to be developed by Presenters.		
Field/ practical training	Preparations needed, responsible officer(s) Training materials, installation of drilling rigs, drilling operation, collection of drilling data, laboratory techniques (sieve analysis).		
Prepared by:	Prepared by: Prof. Eqrar & Andreas de Jong		