

Hydrogeological Survey in Faryab – Afghanistan

FORM T-1: TRAINING COURSE SUMMARY SHEET	V1	NORPLAN 
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Afghanistan:Training_capacitybuilding:Hydro_Course_1.4_well_design:2013 06 29 Sumary Sheet 1 4 Well Design.docx

Course title:		<i>Course no 1.4</i>	
Hydrogeology I Well Design		<i>Date prepared:</i>	
		29/06/2013	
Training purpose	Enhance the capacity of hydrogeologists and technicians who are responsible for the supervision of water well drilling projects, to identify water bearing zones during drilling operations, design efficient water wells and prepare high quality well completion reports.		
Target group	Education level: (degree/ technicians etc) Hydrogeologists & technicians	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	Responsible presenter National & International experts	Handouts to be prepared by: Presenter
Summary syllabus	Water well design based on lithological log, drill penetration log and geophysical logs. Selection of casing and screen material and intervals. Design of screen slot sizes, natural and artificial gravel packs. Well completion and development. Shallow & deep well designs. Well design for confined artesian aquifers. Use of software for well design.		
Training equipment required	Listing of equipment to be made available for course Overhead projector, beamer, white board, for presentation. Water well drilling data from Afghanistan		
Training material	Can exist material be used? If so what/ from where? Stationary ,hand out teaching material Well drilling data from library of Prof. Eqrar & DACAAR. If no: what material needs to be developed? And By who?		
Field/ practical training.	Preparations needed, responsible officer(s) Training materials , To be prepared by presenter		
Prepared by:	Prepared by: Prof. Eqrar & Andreas de Jong		