

Final Schedule for Course 1.7
Planning and implementation of Provincial Hydrogeological Surveys

Day 1 (September 14-2013)

Time	Activity	Presenter
09:00 – 09:15	Opening ceremony and welcome	Abrar/ Director Qader
09:15 – 09:45	History of hydrogeological surveys in Afghanistan in the past. Methods, organizations, responsibilities	Prof. Eqrar
09:45: – 10:00	Discussion	
10:00 – 10:30	Break	
10:45 – 11:40	What is a hydrogeological map? International approaches to hydrogeological mapping	D. Banks/Prof.Eqrar
11:30 – 12:00	Discussion, (D. Banks, Prof Eqrar)	
12:00 – 13:00	Practical Examination of some international hydrogeological maps; prognosis based on Cambridge to Maidenhead map	D. Banks / Eng.Ehsaan
13:00- 13:45	Lunch	
14:00- 15:00	Types of existing data: Topographical, Metrological, Surface water , Ground water data, Remote sensing data, Other data Using Soviet hydrogeological and topographical maps	D. Banks/Eng Hassan
15:00-15:10	Tea	
15:10- 15:30	Practical Understanding and extracting data from Soviet maps	D. Banks / Prof Eqrar

Day 2 (September 15-2013)

Time	Activity	Presenter
08:00 – 09:00	Practical: Understanding and extracting data from Soviet maps (Continued)	D. Banks / Prof Eqrar
09:00 – 09:30	Lecture: Assessing aquifer properties from sparse data	D. Banks.
09:30 – 10:00	Break	
10:00 – 13:00	Workshop: Aquifer designation according to IAH guidelines	D. Banks / Prof Eqrar / Eng. Hassan / Eng. Ehsan
13-13:45	Lunch	
13:00-14:00	Workshop: Aquifer designation according to IAH guidelines	D. Banks / Prof Eqrar / Eng. Hassan / Eng. Ehsan
14:00-15:30	Lecture: Data Entry and quality control	D. Banks/Eng.Hassan
14:30-15:30	Practical: Data Entry and quality control	D. Banks/Eng. Ehsaan

Day 3 (September 16-2013)

Time	Activity	Presenter
08:00 – 08:30	Participants describe how they have been involved in hydrogeological surveys in the past. Lessons, experiences, equipment, data collected and data used, worth sharing!	All participants voluntary- chaired by Prof Eqrar.
08:30 – 09:30	Lecture: Field surveys	D. Banks
09:30 – 10:00	Break	
10:00 – 13:00	Practical: Using hydrogeological survey data. Maimana Airport case study	D. Banks / Eng.Ehsaan
13-13:45	Lunch	
14:00-15:00	Discussion: Using hydrogeological survey data. Maimana Airport case study	D. Banks / Eng.Hassan
15:00 – 15:30	Lecture: Sustainability and recharge	D. Banks /Prof.Eqrar

Day 4 (September 18-2013)

Time	Activity	Presenter
8:00 – 08:45	NCA experiences from field surveying in provincial surveys	Ehsanullah Bayat
08:45- 10:30	DACAAR's experiences from field surveying in Faryan	Eng. Hassan / Jawed
10:30- 10:45	Break	
10:45 – 11:00	Participants to look at methodology and advise on how to further improve the proposed methodology as prepared by NORPLAN for the project.	Prof. Eqrar
11:00-11:45	Specific time for MEW experiences from field surveying	MEW
11:45-12:00	Discussions. And work though section by section for comments	Prof. Eqrar
12.00-13. 00	Lunch	
13-13.45	MRRD experiences from field surveying	MRRD
13.45-14.00	Discussion	Prof.Eqrar
14:00-15:00	MIS GIS unit at MRRD and how the government hope to organise data treatment in MRRD Kabul.	Prof. Zarinkhail
15:00-15:30	Discussion	

Day 5 (September 17-2013)

Time	Activity	Presenter
08:00 – 10:00	Tutorial: 3 groups. Prepare surreys plans for province A, B and C, incl. staffing, schedules, budgets, approvals, etc.	Eqrar
10:00-10:15	Break	.
10:15- 11:15	Presentation of plans from three groups.	Participants
11:15 – 12:00	Discussions and consensus of recommended approaches	Prof Eqrar
12:00-13:00	Lunch	
13:30-14:0	Evaluation of training course by participants	
14:00-15:00	Hand-out of certificate and closing of training course	