

## Skills Register

	Field Studies	Planning & Feasibility	Detailed Design	Project Management	Field Studies	Planning & Feasibility	Detailed Design	Project Management	
<b>Data Systems</b>					<b>Water Resource Systems</b>				
Hydrometric Instrumentation	■			■	Low Flow Statistical Analysis	■	■	■	■
Hydrometric Networks	■	■	■	■	Drought Mitigation Measures		■		■
Database Implementation		■	■	■	River Basin Distributed Modelling	■	■	■	■
Hydro-meteorological Data Collection	■	■		■	Reservoir Modeling	■	■	■	■
EXCEL™ Applications		■	■	■	Water Allocation Studies	■	■	■	■
ACCESS™ Applications		■	■	■					
<b>River Systems</b>					<b>Environmental Systems</b>				
Topographic Surveys	■	■		■	Aerial & Satellite Image Interpretation	■	■		■
Flood Statistical Analysis	■	■	■	■	Land Use Planning	■	■	■	■
River & Floodplain Modelling	■	■	■	■	Environmental Impact Assessment	■	■	■	■
Floodplain Mapping	■	■	■	■	GIS Data Processing	■	■	■	■
River Engineering & Stabilisation	■	■		■	GIS Mapping & SQL Applications	■	■	■	■
Flood Defence Schemes	■	■		■					
<b>Reservoir Systems</b>					<b>Pollution Control Systems</b>				
Bathymetric Surveys	■	■	■	■	Water Quality Instrumentation	■	■		■
Water Quality Sampling	■	■		■	Lake Eutrophication Assessment	■	■	■	■
Capacity Assessments	■	■	■	■	Land & River Salinisation Studies	■	■	■	■
Yield Analysis	■	■	■	■	Water Pollution Modelling	■	■		■
Spillway Assessments	■	■		■					
Operating Rules and Optimisation	■	■	■	■					
<b>Water Supply &amp; Irrigation Systems</b>					<b>Financial &amp; Risk Systems</b>				
Source Evaluation	■	■	■	■	Budget & Cashflow Control	■	■	■	■
Network Hydraulic Modelling	■	■	■	■	NPV-IRR Appraisal	■	■	■	■
Crop Water Assessments	■	■		■	Quantified Risk Assessment	■	■	■	■
Water Pricing & Tariff Setting	■	■		■	@RISK™ Applications	■	■	■	■
					Management Accounting	■	■	■	■
					Benefit-Cost Appraisal	■	■	■	■
<b>Urban Drainage Systems</b>					<b>Management &amp; Training Systems</b>				
Sewer Flow Surveys	■	■		■	Business Plans	■	■	■	■
CCTV Structural Grading	■	■		■	Capacity Building		■		■
Sewerage Network Modelling	■	■	■	■	Institutional Strengthening		■	■	■
Pumping Station Optimisation	■	■	■	■	Training Courses in Water Systems	■	■	■	■
Flooding Assessments	■	■		■	MS Office™ Applications	■	■		■
Drainage Area Planning	■	■	■	■					