

List of recent and historical data collected by Component A

Reporters:

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The Iraq Salinity Project is an initiative of Government of Iraq, Ministries of Agriculture, Water Resources, Higher Education, Environment, and Science and Technology, and an international research team led by ICARDA – the International Center for Agricultural Research in the Dry Areas, in partnership with the University of Western Australia, the Commonwealth Scientific and Industrial Research organization (CSIRO) of Australia, the International Water Management Institute (IWMI), Sri Lanka, and the International Center for Biosaline Agriculture (ICBA), Dubai, United Arab Emirates.

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This technical report series captures and documents the work in progress of the Iraq Salinity Project, in its seven research themes, working at the regional, farm and irrigation system scales. Technical reports feed into the *Iraq Salinity Assessment*, a synthesis and solutions to solving the problem: Situation Analysis (Report 1); Approaches and Solutions (Report 2) and Investment Options (Report 2).

Key words: southern Iraq, central Iraq, spatial distribution, remote sensing, irrigation, salinity mapping.

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<http://icarda.org/iraq-salinity-project/teaser>

This is a list of recent and historical data collected by Component A. Other project components might find it useful. For more details on this data, please contact the team:

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The data will be uploaded to the web portal soon.

Regional data

Data type	File name	Comments
Meteorological stations	Annual_prc.shp	Only location
Road network	Roads.shp	Whole country
Sampling transects	Transects.shp	
Iraq boundaries	Boundary.shp	Whole country
Governorate boundaries	Governorate.shp	Whole country
Middle south area	Middle_south.shp	
Pilot sites	Pilot_sites.shp	Five pilot sites
Annual precipitation	Annual_prc1	Grid format
Meteorological Data	Meteorological Data.xls	1980-2010
Physiographic regions	Physio.shp	Whole country
Gypsy soils	gypsy_soils.shp	Whole country
Geologic map	Geol.tif	Image file
General soil salinity map	IQ_FAO_salinity_Map1980.png	Image file
General soil map	1957_Exploratory_soil_map_of_Iraq.jpg	Image file
General soil degradation	dg_rate1_lowres.jpg	Image file
Location of cisterns	cistern.shp	Basrah
Location of wells	well.shp	Basrah
Canals distribution	canals.shp	
River stream	river_stream.shp	
Land use	MODIS (folder)	No legend
vegetation	Vegetation (folder)	Each crop type in one shapefile

Abu Flos

Data type	File name	Comments
Profile location	Profiles_abfloods.shp	Profiles location
Profile description	AboFloods_Description_Profiles.docx	Profiles description
Profile analysis	Abu Flos soil analysis 2000.xls	Profiles analysis
Soil Permeability	Soil Permeability Abu flos 2000.xlsx	
Surface & Ground Water quality	Surface & Ground Water Analysis Abu Flos 2000.xlsx	
Soil salinity map	Salinity_abofloods.shp	Historical map
Soil map	Soil_abofloods	Legend not identified

Dujailah

Data type	File name	Comments
Soil salinity map	Salinity_Dijaila_Date_1950s.shp	Salinity in 1950s
Auger holes location	Auger hole_XY_Dujailah.xlsx	Only coordinates
EM38 data	Dijaila EM38.xlsx	Location, EmV, EmH
EM38 data, plots	Dijaila_EM38_Sites_XY.xlsx	Location, EmV, EmH
Morphological description	Morphological description.doc	
Profile description	Profiles.doc	
Soil analysis	Soil Analysis & X_Y_Dijaila.xlsx	
Soil analysis	Soil Analysis for Dijaila.xlsx	
Pedon description and climate	Soil Test Dujailah 2011.xlsx	
Canals distribution	canals.shp	

Musaib

Data type	File name	Comments
Soil salinity map	Salinity_Mussaib_Date_1990s.shp	Salinity in 1990s
Soil profiles	Soil Data1994.xlsx	Soil data 1994
Soil profile location - UTM	profile locationUTM.docx	1994
Location of bore holes	Auger_hole.shp	
Location of profiles	Profile_site.shp	
Location of soil samples	Surface_sample.shp	
Ditch information	Ditch1.shp	Length, characteristics
Distribution of irrigation canals	Irrigation_Canals.shp	No water quality data
Soil map	Soil_map.shp	1994
Soil profile data 2011	Soil_R_S_2011_Musaib_DATA.xls	
AccuPAR readings	AcuPAR_readings.xlsx	

Shat El Arab

Data type	File name	Comments
Soil salinity map	SAA_Salinity_Map_F.shp	Historical data
Soil map	SAA_Soil_Map_F.shp	Historical data

West Gharaf

Data type	File name	Comments
Soil map	Soil_units.shp	Historical
Soil salinity map	Export_SOIL.shp	Historical
Soil data (mapping units)	Gharaf Soil data13Feb.xls	Historical
Location of soil profiles	Profile_location.shp	Historical
Profiles description	Hard copy for typical pedons	Available upon request