



USAID
FROM THE AMERICAN PEOPLE

USAID COUNTRY PROFILE

PROPERTY RIGHTS AND RESOURCE GOVERNANCE

IRAQ

OVERVIEW

With some of the earliest known human settlements in the world, most of Iraq together with Kuwait, eastern Syria and southeastern Turkey constitute Mesopotamia, also referred to by historians as the 'cradle of civilization'. Iraq has a surface area of approximately 437,072 square kilometers, making it slightly larger than twice the size of Idaho. It is bordered by Turkey to the north, Iran to the east, the Persian Gulf and Kuwait to the southeast, Saudi Arabia to the south, Jordan to the west, and Syria to the northwest. The country has a total land boundary of 3,650 km and a coastline of 58 km.

Topographically Iraq is divided into three zones: the highlands in the northeast (rising to approximately 3,000m); the desert in the southwest and west (elevation 600-900m); and the plains in the south-central part of the country. The plains are dominated by the Tigris and Euphrates river systems, which combine in the southeast of the country to form the Shatt al Arab waterway, a wide body of water which empties into the Persian Gulf. Only 1.9 percent of the total land area in the country is in forest and woodland, and desertification is an ongoing problem in Iraq's dry, hot climate. Soil salinization, erosion and river basin flooding have impacted fertile agricultural lands over large areas of the country, and the deterioration of agricultural infrastructure has led to a decline in agricultural productivity, particularly since 2002 (Lucani 2012). Agriculture primarily exists as small farming units with low input-output systems, as farmers attempt to minimize costs related to land preparation, planting, and harvesting. As a result, yields are quite low. Crop agriculture is the primary income source for 75 percent of farmers, with the remainder dependent on livestock and mixed crop-livestock systems. Iraq's main crops are grains, primarily wheat and barley, with tomatoes and potatoes grown in irrigated areas, and dates constituting a major cash crop (Lucani 2012).

The structure of the land rights system in Iraq has deep historical roots, going back to the Hammurabi period (1810 BC - 1750 BC). The current tenure system is significantly influenced by the Ottoman period in Iraq (1534 - 1704 and 1831 - 1920) spanning some 400 years, followed by the British mandate period (1920 - 1932) (Baali 1960). In the Ottoman and British periods, the landholding structure was designed to reinforce political power through the provision of lands to individuals who were influential and supportive of the government in-place (RTI 2005; Baali 1960). The result was a great deal of land accumulation in few hands, and a peasantry that possessed very few rights in land. In the Ottoman period the land administration system known as TAPU (title deed) provided for both deeds and a land register, and lands were classified into categories. In 1974, the Real Estate Registration Law replaced the TAPU system, establishing Real Estate Registration Departments and creating an improved title issuing service.

During the Ba'athist period (1963 - 2003) a socialist ideology led to the implementation of a large-scale land reform in the rural tribal areas in which limitations on landholding size were enacted, and collective ownership and agricultural production pursued. In the late Ba'athist period supporters of the regime received government land, while at the same time Iranians and Kurds had land expropriated even though they held title (RTI 2005). In this period both rights to land and tenure security were used to punish and reward citizens. Processes for transacting property, registration and applications for improvements were quite lengthy but regarded as fairly effective; and as of 2005 approximately 96 percent of land owners indicated that their property was registered. Fewer than three percent of owners had mortgages, though (RTI 2005). With the deterioration of authority and institutions following the Second Gulf War, fraudulent titles have become increasingly common (RTI 2005).

KEY ISSUES AND INTERVENTION CONSTRAINTS

GLOBAL PROTECTION CLUSTER LAND AND PROPERTY RECOMMENDATIONS

The Global Protection Cluster-Iraq (PCI 2016a) recommends the following as land and property priorities for intervention:

1. Support needs to be provided to government for the restoration and replacement of civil documentation pertaining to land and property;
2. A broader range of evidence beyond documentation, which supports claims to land and property needs to be legally recognized;
3. Legal assistance regarding land and property needs to be provided to displaced populations;
4. Government should be supported in efforts to expand internally displaced persons' (IDPs) access to adequate and affordable housing with tenure security, regardless of the land and property restitution remedy applied.

The Global Protection Cluster is an affiliation of interested organizations—donors, NGOs, INGOs, governments—that seek to coordinate response to particular problems. *Donors can find participation in the Cluster to be useful for initiating, supporting and implementing specific programs and projects in Iraq. While the above list is for Housing, Land and Property Rights (HLP) in Iraq, the Cluster has a wide range of priorities, and needs additional support, engagement and direction setting from participants.*

LEGAL RESTITUTION PROCESSES FOR THOSE RETURNING TO ISIS-RETAKEN LANDS

As a priority issue, IDPs currently seeking to return to their lands and properties face an uncertain legal, security and livelihood landscape, and most are unaware of their legal options and recourse. What is needed is a legislative and institutional ability to engage in a land and property restitution process (to include a variety of remedies) specifically for the 3.0 million people displaced due to the ISIS conflict. Without such an effort, the concern is that returnees will default to armed kin or local militias to resolve their land and property problems. The UN International Organization for Migration (IOM) is working with the Iraqi government on the need for this legislation, and what it might look like. *Additional donor support is needed to work with the government and IOM on the kinds of restitution laws and institutions that have worked well elsewhere, and what kinds of remedies should be considered for secondary occupation, dispute resolution, and damaged and destroyed HLP.*

ASSISTANCE FOR RETURNEES TO ISIS-RETAKEN LANDS

Government and donor assistance is needed in the process of return and reclaiming land and properties in areas that have been retaken from ISIS. *Donor involvement is needed for a robust awareness raising campaign for returnees regarding what to do when they return to find secondary occupants, disputes, damage or destruction. Given the pervasiveness of mobile phones and IDP familiarity with social media, there is a significant opportunity to ‘push’ this information to the IDP community. Mobile legal clinics, similar to, or supporting IOM’s ‘community policing’ efforts are needed in areas of return, given that large-scale returns will take place prior to the establishment of functioning, effective state institutions for resolving land and property problems.*

LAND DISPUTE RESOLUTION FOR BA’ATHIST-ERA DISLOCATEES RETURNING TO CLAIM LANDS

In a number of areas that experienced forced dislocation under ISIS, returnees are confronting the return of those who were dislocated from the same lands under the Ba’athist period (or their descendants). This results in the destruction of properties by the Ba’athist era dislocatees so as to discourage return by ISIS dislocatees. Particular attention is needed on this type of land and property dispute, given that a minority of returnees are aware of the existence of the Commission for the Resolution of Real Property Disputes (CRRPD) created to attend to Ba’athist era expropriations. *Donor support is needed for awareness raising among returnees and re-emerging Iraqi institutions regarding how to resolve such disputes within the CRRPD, including the derivation of a ‘fast track’ capability.*

ONGOING SUPPORT FOR RESTITUTION AND OTHER REMEDIES FOR BA’ATHIST ERA DISLOCATIONS

The CRRPD is a large endeavor involving a set of multiple institutions and many procedures to work through to reclaim lands and properties. There are strong preferences within civil society that it be made much quicker, more efficient, and with far fewer steps to effectively serve the intended population. *Donor involvement is needed to significantly streamline the operation of the CRRPD, and, in particular, to expand the types of remedies to include more than simply return to one’s HLP or minimal compensation in a ‘take it or leave it’ approach.*

MILITIAS IN FORMER ISIS HELD LANDS

There is a significant connection between current IDP returns and militia membership. Local militias in Iraq emerge in the absence of effective state institutions, are one of the very few employment opportunities in areas of return, and provide the much-needed security for civilian populations. Many if not most of these militias are not ideological and focus on security, area control and occasionally revenue generation. While they are often based on sect, ethnicity or geography, efforts by government and donors to coordinate, include, involve or co-opt local militias instead of confronting them, will very likely prove worthwhile. *Donor support is needed to derive and implement ways to communicate with and include militias in a recovering Iraq—institutional development, employment and capacity building, dispute resolution, connections to state institutions and reintegration.*

GENDER, LAND RIGHTS, RESTITUTION

Land and property rights for women remain an ongoing challenge in Iraq, particularly for female head of households with children following the death or disappearance of a spouse. With only secondary rights to HLP, women usually lose and have few alternatives in a postwar environment. Greater attention is needed on legal, institutional, customary and tribal efforts to ensure that access to land and property (or

alternative remedies) are equally available to women. *Donor support is needed to establish forms of legal support for women, in particular women heads of households, that can specify how to retain rights to HLP. Support is also needed for working with tribal, religious, and militia leadership to see what forms of customary institutions can play a role. Support is needed in the derivation and implementation of female-specific HLP remedy options.*

DELINEATION OF THE BORDER AND ECONOMIC RELATIONSHIP BETWEEN THE KURDISH AUTONOMOUS REGION AND IRAQ

A negotiated border demarcation between the Kurdish region and the rest of Iraq is needed. Negotiations as to the status of the Kurdish region are also needed. The recent referendum on separation and the subsequent repercussions has made this issue particularly important. *Donor support is needed to assist both the regional and federal governments in negotiations regarding status, borders, and management of oil and gas resources. The US has particular legitimacy with both regional and federal governments and can provide support and incentives to a negotiation process.*

OIL AND MINERAL RIGHTS

Oil and mineral rights are considered property of the state and under federal government control for the benefit of the people. Iraq has laws governing the administration of oil that date from 1942 to 1997. The country initially drafted a federal oil and gas law in 2007 to update the older legislation. This draft was submitted to Parliament in 2011 but it was never considered. Iraq needs to give greater attention to oil and mineral rights and update older legislation so that a widely agreed upon version can be promulgated in order for Iraq to take advantage of international investment opportunities and gain the needed revenue for reconstruction and recovery. *Donor assistance is needed in resolving disagreements about the draft law that currently exist in different sectors of civil society, government and international investors. Even the sponsorship of conferences, workshops and consultation processes would be very worthwhile.*

MANAGEMENT OF WATER RESOURCES

Iraq is a downstream country in the Tigris-Euphrates riparian system. The country is water stressed given its rising population, lack of environmental regulatory enforcement, increased salt intrusion in the river system, desertification, and an aging, damaged water infrastructure. Advances in water technologies, institutions, and ways of organization involving local user groups should be considered for application in the country. *In this regard donor support is needed for: rebuilding components of the water infrastructure system; for training and capacity building in hydrology and the management of water for arid regions; and in coordination efforts with upstream states.*

FOR MORE RECENT LITERATURE:

www.land-links.org/iraq

Keywords: Iraq, tenure, restitution, land law, land rights, property rights, land conflicts, IDPs, land administration

SUMMARY

The ancient history of human settlement in Iraq means that forms of land rights associated with settlement in the country are likely among the oldest in the world. This has created both problems and opportunities. Problems, in that certain aspects of older land rights systems, coming from both from within the country and outside over time, still influence how land rights operate today, providing for a certain degree of confusion and ‘legal pluralism’ (different laws for different people). In addition, laws from different eras are aligned with the governing ideology of their respective time periods and do not always reflect the current legal environment, problems or aspirations of the country. Opportunity, in that such a history provides a rich source of legal land concepts, techniques, institutions and experience that will be needed in order for land and property rights to contribute robustly to Iraq’s recovery and economic development.

Of significant influence on Iraq’s land rights are the many waves of forced dislocations that have occurred over the centuries, particularly in recent decades. These large-scale dislocations, combined with multiple ethnicities and sects occupying specific areas of the country, make current efforts at land and

property conflict resolution quite difficult. Claims from previous dislocations clash with those from more recent dislocations and are overlain on ethnic territorial claims.

Currently, land and property restitution is a priority for the government and donor community active in Iraq. Three separate restitution processes are underway, based on the period of dislocation. The Commission for the Resolution of Real Property Disputes (CRRPD) operates a restitution process to attend to Ba’athist era expropriations from 1963 to 2003. Decree 262 and Order 101, along with the Anti-Terrorism Law making secondary occupation unlawful, are intended to manage restitution for the dislocations that took place during the war between the then Iraqi state and coalition forces. However, the just under 3.0 million IDPs currently dislocated by the war with ISIS do not presently have a specific set of laws or institution to facilitate returns, and this should be a priority of the government and

Box I. Macro Indicators

	Year	Score
Population, total (million)	2017	38.6
Population ages: 0-14; 15-64; 65+ (% of total)	2017	39.46; 57.08; 3.46
Population growth (annual %)	2017	2.88
Rural population (%)	2016	31.8
Population density (per km2)	2016	88
Literacy rate: adult total; % people age 15 and above	2003	58
Land area (km2)	2003	437,027
Arable land (% of total)	2003	12
Agricultural land (% of total)	2014	21.24
Pasture land (% of agricultural land area)	2007	42.3
Permanent cropland (% of land area)	2014	0.54
Irrigated land (% of agricultural land)	2012	37.6
Forest area (% of total)	2012	1.9
Access to improved water source: % total population: % urban; % rural	Avg 2005-2010	79; 91; 56
Annual freshwater withdraws (billion cubic meters)	2000	66.0
GDP (per capita USD)	2012	3528
GDP growth (annual percent)	2016	10.1
Oil production (million barrels per day)	2017	4.1
Oil export (million barrels per day)	2017	3.2
Population, total (million)	2017	38.6
Population ages: 0-14; 15-64; 65+ (% of total)	2017	39.46; 57.08; 3.46
Population growth (annual %)	2017	2.88

Sources: CIA (2003); World Bank 2012a; 2012b; Ossining & Ahmed 2016; Bloomberg Finance, 2017; Ycharts 2017; Trading Economics 2017; Mundi 2017

international community in the near-term. This is because land and property restitution is a long process, fraught with disputes, less than perfect remedies, and tenure insecurity.

Although a great many Iraqis are farmers and pastoralists, oil production is responsible for 60 percent of the country's GDP, 99 percent of exports, and 90 percent of government revenue (UNDP 2017). Yet there is no overall law to regulate oil and gas production, rights, and investment. A draft law has stalled due to political division and disagreement over what rights Baghdad will have versus the regions, and the role of foreign investors.

Water will be an ongoing concern in the country. With the population growing and freshwater resources declining, there is no Tigris-Euphrates agreement among the countries with interests in the river system. And with water data regarded as a state secret in Iraq and the other basin states, planning for water use and development is extremely difficult and subject to error, overly broad estimations, and shortages.

There are a number of recommendations for the land sector that can be considered by the government and its international partners. Land restitution along with other remedies needs significant ongoing attention. There are new techniques for mass claims processing that should be considered, in order to attend to land and property issues as quickly as possible so as to reduce the prospect for instability.

In this context, particular attention is needed on issues of land and property rights for women, especially given the now much larger proportion of female-headed households after the wars over the past decade. There are numerous components to restitution processes that can be supported separately by interested donors and government offices—from awareness raising, to working with forms of alternative dispute resolution and tribal law, to greater alignment between laws, and assisting with documentation systems.

I. LAND

LAND USE

Land use in Iraq has been strongly influenced by its role in the economy along with the country's military conflicts, population relocations, and government interventions in control over agricultural production (Schnepf 2003). From a total national area of 47.3 million ha, 34 million ha (77.7 percent) is not agriculturally viable under present conditions. Forest and woodland comprise less than 0.4 percent of the country and are located along Iraq's northern border with Iran and Turkey. Approximately 9.5 million ha (22 percent) is devoted to agriculture, however approximately half of this is of marginal utility and is used exclusively for seasonal livestock grazing—primarily goats and sheep. Tree crops comprise approximately 340,000 ha of primarily grapes, olives, figs and dates, with the latter being most prevalent. Most tree crop production is located in the vicinity of Karbala (Schnepf 2003). Field crops include vegetables, cereals, pulses and fruit, with the areas under cultivation at any given time varying with market and weather conditions, but averaging between 3.5 to 4 million ha. Grains constitute 75-85 percent of all cropped area—primarily barley and wheat (Schnepf 2003).

Cropped land use in Iraq can be divided into: the central-south irrigated zone, which produces fruits, vegetables and cereals; and a northern zone which is rain-fed and produces winter grain. A particularly productive area in the foothills of the Kurdish autonomous region produces about one-third of the country's cereal production under rain-fed conditions. Other than this, rain-fed crop yield is generally

low and varies with rainfall. The rest of Iraq's cereal production exists in the irrigated zone along and between the Tigris and Euphrates rivers (Schnepf 2003) (Figure 1). In general, there is only one cropping cycle per year although there is some multiple cropping of vegetables under irrigation. The irrigated areas in Iraq's central - south region have been affected by salinization throughout its history due to a saline water table. As a result, even a small over-irrigation brings the saline water to the surface (Schnepf 2003).

Livestock are grazed throughout the agricultural zones as well as in areas used only for pastoralism, while poultry production takes place near urban centers. As a result of UN sanctions beginning in 1990, the poultry and livestock populations have declined significantly due to the conversion of rangeland to grain crops, together with the decline in feed grain imports and veterinary medicines.

The 1991 Gulf War damaged the irrigation and transportation infrastructure, to the degree that agricultural productivity declined significantly. Salinization then expanded across much of the irrigated area in the country's central and southern regions, with these then becoming much less usable. Rural labor shortages after the 1991 war resulted in less area under agriculture—with much of the shortage due to the departure of foreign guest workers (Schnepf 2003). In an attempt to manage land use and agricultural productivity after the war, the government raised the official price of major field crops and expanded the area to be put under cereal crop production in the north of the country. The government also confiscated land from farmers who did not meet production quotas. Rising food prices and government incentives led farmers to expand cropped areas primarily by bringing under cultivation lands on fragile hillsides and marginal pastureland—with record areas under crop agriculture peaking in 1992 and 1993 (Schnepf 2003). A drought from 1999 to 2001 that affected much of the Middle East significantly impacted agricultural output in Iraq, with cereal production in the rain-dependent north particularly affected (Schnepf 2003).

LAND DISTRIBUTION

Current data on land distribution is scant. Multiple waves of dislocation have significantly reworked land distribution in the country, and with returns and dislocations still ongoing, it is difficult to get a sense of current distributions.

LEGAL FRAMEWORK

The legal framework for land rights in Iraq draws on multiple sources and ways of operating that have evolved over considerable time. Islamic law and Ottoman era law continue to influence the legal framework for land in Iraq, as does Egyptian and French law. In the 20th century Iraq blended in elements of the civil law tradition and produced its own Civil Code (Stigall 2008). Thus, Iraqi law is a blend of Western and Middle Eastern legal traditions. Presently Iraq embraces the civil law system as do other countries in the Middle East.

For outside investors, three items are important in Iraq's legal framework:

- The category of the land needs to be identified and certified by a local land office;
- The three-year timeframe for *miri* land held under the *tasarruf* category to be either used or forfeited is important (Wiss and Anderson 2009).

- The American-run Coalition Provisional Authority (CPA) introduced a series of regulations that has made Iraq decidedly pro-outside investor, however there is a lack of detailed analysis of these regulations and their implications for foreign investment, with the exception of Siddiqui (2013).

Currently the land laws operable in Iraq include:

Resolution No. 333 Promulgating Law No. 42 of 1987. This legislation is concerned with the reorganization of agrarian ownership under reclamation projects. The law is focused on the reorganization of land ownership for lands subject to agricultural projects. It also provides remedies for compensation to land owners for expropriation.

Resolution No. 176 of 1993 Promulgating Law No. 18 of 1993 Relative to the Body of Administration and Investment of *Awaqf* Properties. The resolution establishes the 'Body of Administration and Investment of *Awaqf* Properties' that is legally, financially, and administratively independent, but connected with the Ministry of *Awaqf* and Religious Affairs. The body administers and develops land and property received as an endowment and acts as a council for all issues in terms of the administration and investment in *Awaqf* (also known as *waqf*) properties. The body is managed by a council comprising the Minister, several experts, three lawyers and officials from government.

Iraqi Company for Contracts for Land Reclamation (Law No. 116 of 1981). The law establishes the Iraqi 'Company for Contracts of Land Reclamation' under the Council of Ministers. The Company implements reclamation projects and acts as a contractor for reclamation projects. The Company is charged with carrying out its duties both inside and outside Iraq. The Company can sell and lease reclaimed lands and the properties of the company are considered 'state domains'.

The Agrarian Reform Law No. 117 of 1970. Comprising five chapters and 52 articles, this extensive law covers a variety of agricultural land ownership issues, including the maximum size limit of lands that can be owned privately without authorization. The Agrarian Reform Authority can requisition lands above the stated limit and stipulate the forms of compensation that the owner of the requisitioned excess land is due. The Authority takes over the responsibilities of the survey committees regarding lands not yet surveyed, and those lands against which survey decisions are still pending. The Authority will distribute agrarian reform lands to peasants both individually and collectively.

Law of 2013 Confirming Ownership of the Agricultural Lands and Orchards Excluded from the Adjustment Acts. This law operates within the Municipality of Baghdad and deals with orchards and agricultural lands that were excluded from previous settlement acts or are otherwise of unresolved ownership status. The Law focuses on urban development that takes place on agricultural and orchard lands that have become unsuitable for agriculture due to urban development. The Law establishes the 'Land and Expropriation Committees,' which were initially promulgated by the Agrarian Reform Law of 1970. The Committees determine the rights over such lands and remove the definition of 'agricultural land' if in the old registers of the city they were not officially designated as 'agricultural land'.

Law No. 2 of 1983 on Pasture. This law intends to manage pasture lands by planning grazing according to scientific approaches, and engaging in the protection of natural vegetation and water resources, and the organization of their use. The Law covers state-owned lands allocated for pasture. The Law states that the Ministry of Agriculture and Agrarian Reform is to regulate and organize livestock

movements according to seasons and regions. The law prohibits the drilling of artesian wells and cutting plants in pasturelands.

Resolution No. 150 of 12 October 1997 Concerning the Sale of Plots of Land for Housing Owned by the State to Farmers. The Resolution stipulates that state-owned land not burdened by ‘disposal rights’ shall be sold to farmers, and pre-existing agricultural contracts are revoked and pre-existing rights extinguished. The Resolution provides limits of the allocation to farmers — not more than 1,000 m² with no house and 2,000 m² for a plot with a house.

Resolution Relative to Corporeal Compensation for Appropriated Real Estates and Amortization of the Right of Disposal of Vacant Agricultural Reform Lands, No. 90 of 1996. This law provides for compensation for the alienation of agricultural land, with alternative land as a first priority and cash compensation as a secondary priority. The law also prohibits compensation in kind or cash for certain types of land.

Resolution to Prevent Alienating of Estate Property of Iraqi Citizens who left Iraq, No. 21 of 1996. The resolution stipulates that the transfer of real estate owned by Iraqi citizens who left the country is to be prevented in all cases.

Resolution Concerning the Alienation of Real Property within the Boundaries of the Master Plan of Baghdad, No. 157 of 1994. This resolution stipulates that the transfer of real estate within the boundaries stipulated by Master Plan for Baghdad or the Master Plans of Aqdiyas and Nahiyas within the Governorate of Baghdad of a ‘certain type’ (undefined) shall not be registered unless the person receiving the transferred property was recorded in the census of 1957 or any previous census in one of the regions within the Baghdad Governorate before the creation of the Sallah Al-din Governorate. The rule does not apply in cases of inheritance of property due to death.

Resolution Concerning Agricultural Land. Unofficial title, No. 211 of 1991. The resolution stipulates that agricultural lands owned by the state which are cultivated by persons themselves or through others, shall be considered as property of the state with no compensation due, and shall be registered in the name of the Ministry of Finance as ‘pure’ property. The Ministry of Agriculture shall dispose of such lands in accordance with laws and regulations in force.

SECURING LAND AND PROPERTY RIGHTS

Land tenure security is significantly low in many areas of the country due to the recent conflict with ISIS, and the resulting dislocations, secondary occupation, and temporary residence. This is compounded by the tenure insecurity experienced by returnees from earlier displacements, and those they interact with in their attempts to reclaim land and property. The result is competing claims, use of militias to secure and enforce claim assertions, and ethnic and sectarian claims merging with individual and family claims—with no widely agreed upon ways to resolve these. In addition, the conflict-related surge in falsified land and property documents, together with institutional, authority and enforcement deficits further compromise tenure security for many.

While the statutory land administration system legally covers the entire country, the system is centralized and administration and enforcement in more peripheral areas is difficult. Recent research

among IDPs indicates that many Iraqis do value statutory documents and the state system, but more for proving tenure status in the future, and less so for securing rights in the present (DDHLP 2017).

INTRA-HOUSEHOLD RIGHTS TO LAND AND GENDER DIFFERENCES

The distribution of land by gender in Iraq is quite skewed, with 26.2 percent of land in the country owned by women, and 73.8 percent owned by men (FAO 2017). Women face notable difficulties in reclaiming land and property after a forced dislocation. This becomes particularly difficult when the property in question is in the name of a missing or deceased male family member. And it can create problems when there is no documentary evidence of the relationship in the woman's possession, or documents attesting to the male kin's death or disappearance do not exist, resulting in an inability to claim the relevant property (PCI 2016b).

The Housing, Land and Property Sub-Cluster (within the Protection Cluster) intends to give attention to documenting the challenges faced by women in pursuing their land and property rights, and will develop guidance for women on the reclaiming of their property. Women's NGOs are also to be supported so that they can provide legal assistance to women (PCI 2016b).

LAND ADMINISTRATION AND INSTITUTIONS

The institutional structure pertaining to land in Iraq broadly comprises six ministries and local boards (IMP 2016).

The Ministry of Agriculture's mandate since the Agrarian Reform Law No. 30 of 1958 has been to pursue the best investment in agricultural lands, and stability in agricultural relations for the country. The Ministry supervises the implementation of legislation for agriculture regarding farm ownership, transaction of farmland and patterns of agricultural land possession rights (Al-Ossmi and Ahmed 2016).

The Ministry of Justice was given renewed authority under the CPA, and the resulting law (No. 18) of 2005 included in the Ministry's mandate the supervision of the real estate registration departments (Al-Ossmi and Ahmed 2016).

The Ministry of Housing and Construction is the national housing authority and works with local government units at the governorate level to establish housing programs. A National Housing Office represents the Ministry in the private sector. The ministry is responsible for implementing national housing plans (Al-Ossmi and Ahmed 2016).

The Ministry of Municipalities and Public Works is responsible for making national policy relating to municipal matters, including the implementation of facilities for cities. Within this Ministry the General Directorate of Urban Planning deals with urban planning at the local level (Al-Ossmi and Ahmed 2016).

The Physical Planning Commission is a local level division of the General Directorate of Urban Planning and is the regulatory board for urban land use working through the local Municipality Offices. The Physical Planning Commission is tasked with monitoring and supervising the implementation of local land use regulations and development (Al-Ossmi and Ahmed 2016).

The Municipalities Offices are the local government department of the Ministry of Municipalities and Public Works and deals with the implementation of development within cities and surrounding villages as designated by the cities' master plan (Al-Ossmi and Ahmed 2016).

COMPULSORY ACQUISITION OF PRIVATE PROPERTY RIGHTS BY GOVERNMENT

Ba'athist-era land expropriations by government were extensive and continue to be a source of numerous land disputes and ethnic animosity. The land acquisitions primarily took place in the north of the country among ethnic Kurds, Turkomans, and Assyrians in order to solidify control over valuable oil and arable lands and punish groups opposed to the government. Based in Ba'athist laws, the expropriations involved hundreds of thousands of people, and were followed by an Arabization policy to fill the vacated land with Arab settlers (Mufti 2004). In addition, the Algiers Agreement of 1975 led to the forced dislocation of ethnic minorities to collective townships where they were not allowed to register their assigned parcels in their own names (PCI 2016a).

While the prospect of compulsory acquisition of private property is a concern for foreign investors in Iraq, the law is clear that compensation must be provided. As well, the Iraqi constitution attempts to strike a balance between needs of the individual and those of the state and protects *tasarruf* rights holders (who comprise approximately 70 percent of all land in Iraq) from expropriation without compensation (Wiss and Anderson 2009). The issue would be then if and how such laws are enforced, and the forms and amounts of compensation.

LAND DISPUTES AND CONFLICTS

Iraq's multiple waves of displacement over a period of 40 years have created numerous complex land and property conflicts. Short and long-term displacements have resulted from expropriation by the Ba'athist regime, terrorism, military operations, sectarian violence, and economic difficulties (Isser and van der Auweraert 2009). Official displacement of Iraqis of ethnic Persian descent from their lands began in 1979 and lasted into the 1980s, with the property then sold on to Ba'athist supporters, and then often resold at a profit. Subsequent to the end of the Ba'athist regime in 2003 many of those who were displaced, or their descendants, have attempted to return to reclaim their lands. Similar official dislocations took place among the Kurds and Turkmen in the vicinity of Kirkuk (RTI 2005). Displacement of land and property during and subsequent to Iraq's more recent conflicts have affected millions, with the current number of displaced due to the ISIS war approximating 3.0 million, and an additional 231,000 registered refugees from outside the country at year end 2016 (UNHCR 2017). As this population now tries to return, they are encountering those who were displaced in the Ba'athist era seeking to return to the same lands, with the inevitable conflicts difficult to resolve peaceably given the absence of institutions to do this in ISIS retaken areas.

The agrarian reform efforts of the 1970s have also generated land and property conflicts between those who lost land and those who currently own it. A 1970 law reduced the maximum size of landholdings to between 10 and 150 ha of irrigated land, and between 250-500 ha of non-irrigated land. Holdings above these maximums were often expropriated. In 1975 an additional reform law sought to break up the large estates of Kurdish and tribal landholders, resulting in expropriations and then disputes once the Ba'athist regime ended. Additional expropriations worsened the Ba'athist government's land rights, management and conflict problems, and resulted in the government coming to hold a large percentage of arable land which subsequent to its fall became contested.

With the fall of the Saddam Hussein regime in 2003, the Iraqi Property Reconciliation Facility was established as a land and property dispute resolution mechanism, and this was then succeeded by the Iraq Property Claims Commission (IPCC) in 2004. The specific purpose of the IPCC was to resolve

disputes that arose from the Arabization policy between 1968 and 2003. The effectiveness of the IPCC has been uneven, however, due to an unawareness among the affected population, the challenge of handling the large number of claims, and the lack of enforcement for claims that have been decided (PCI 2016a; DDHLP 2017).

The Iraqi Civil Code contains the primary laws dealing with land and property and hence is the primary source of law regarding restitution and other remedies associated with forced displacement (Stigall 2009). Stigall (2004, 2008, 2009) describes the property rights aspects of the Civil Code in significant depth. There is a debate, however, as to whether the Iraq Civil Code is up to the challenge of land and property restitution in Iraq, versus the need for other laws and specialized judicial mechanisms. Stigall (2009) argues that elements of the Civil Code are well up to the task of legally engaging the needed conflict resolution and restitution process, while certain UN agencies argue that the need for quick, large-scale restitution of land and property is best handled by additional laws and a separate commission. In one sense both are correct, in that while the Civil Code does possess the means, depth and respect to legally manage the nature of the land and property conflicts currently besetting the country, particularly those that will emerge with returnees from the ISIS conflict, the logistics of applying the law quickly for very large numbers of conflicts, needs a special mass claims restitution process conducted by an independent commission outside of the mandate of the IPCC.

On the part of the Civil Code, the complete protection of private property is provided for. Pertinent to the issue of displacement and restitution, the Civil Code stipulates that one does not lose ownership of land and property through non-use. As well, any possession of land and property obtained through coercion or ambiguity is countered in Iraqi law, and applies to those who have lost land to secondary occupation through violence or deception (Stigall 2009). Thus, there is no legal recognition of a militia member who occupies land by force. As well, Civil Code articles 192 to 201 provide remedies for usurpation and misappropriation of land and property (Stigall 2009).

Other legal devices in Iraq also play a role in conflict resolution. Then Prime Minister Nouri al-Maliki issued a ‘general eviction order’ providing for a one-month time frame beginning in August 2008 by which all occupation of houses of displaced persons must be vacated or face eviction. Enforcement of this order took place with a large-scale eviction and property restitution effort, and the Iraqi army was tasked with evicting squatters, facilitating return and restitution of land and property (Stigall 2009). Of relevance to Iraq’s large internally displaced population is Iraq’s Law No. 20 of 2009 — Compensating the Victims of Military Operations, Military Mistakes and Terrorist Actions. This law seeks to provide compensation for violations of land and property rights due to military operations. However, many Iraqis cannot pursue this compensation without the assistance of a legal expert. Article 140 of the Iraqi Constitution of 2005 sought to resolve long-standing issues involving disputed lands and territories that primarily affect minority groups. A political impasse regarding the implementation of Article 140 has instead frozen the land allocation process in the areas of concern (PCI 2016a).

Some Iraqi laws act to inhibit the ability of the Civil Code to provide legal redress for dispossession. The Land Registration Law—which is separate from the Civil Code—can allow the transfer of land and property in some cases of coercion. As well, Article 17(1) of the Lease Law, No. 87 of 1979, which supersedes the Civil Code, provides for eviction for nonpayment of rent after a prescribed time period; and Article 17(7) stipulates that land and property uninhabited for more than 45 days can result in eviction (Stigall 2009).

On the part of the UN agencies that argue for a separate legislation, process and institution able to handle mass claims, considerable success has been experienced with specialized techniques able to quickly categorize conflicts and claims according to a variety of criteria, allowing for a single legal decision to be made for an entire category (Haersolte-van 2006; Holtzmann and Kristjansdottir 2007)

TENURE TYPES

Land rights in Iraq have developed over centuries, incorporating legal land concepts of a number of countries and cultures. Land in Iraq has traditionally been organized into categories derived from Sharia law that include: *mulk* (privately owned), *waqf or awaqf* (charitable trust land), *matrukah* (publicly owned), *mawat* (unused land), and *miri* (land that is state owned but possessed by an individual. While most land is classified as *miri*, this category is not well articulated in Sharia law, with the result being that it has been regulated by state code. And while *miri* land is technically owned by the state, it can be possessed and used by individuals who retain what are known as *tasarruf* rights, which is the right to exploit, use and transfer the land. Over time the difference between absolute ownership rights and *tasarruf* rights has narrowed to the extent that they are now essentially insignificant in ordinary business matters (Wiss and Anderson 2009).

Box 2. Land Tenure Indicators	
	Score
Millennium Challenge Corporation Scorebook	
Land rights and land access (range 0 to 1; 1=best)	
Rule of law (range -2 to 2; 2=best)	
Economic Freedom index	0.67
Property rights (range 0-100; 100=best)	-1.03
Judicial effectiveness (same range)	
Trading Economic index for 'ease of doing business-regulatory-protection of property rights' (rank out of 190 countries, 1=best)	37.3
Iraq GDP & Economic Data Index for Registering Property (ranking out of 190 countries; 1=best)	15.9
Numbeo's estimate of mortgage as percentage of income	168
Doing Business 2017 ease of registering property (range 1-100; 100=best; MENA regional average=60.64)	115
Price to income ratio for purchase of residence (Measure of affordability. The ratio of median price of a residence to median familial disposable income, expressed as years of income. Lower is better. India's value is 758.61 extremely high; Malaysia's is 27.47 quite low)	116.14
	56.28
	8.33

Communal lands are those lands around a village that are commonly used by village members for grazing, firewood collection, etc. 'Unit/plot tenure' refers to a form of residence rights that are close to ownership rights. Leases are also a form of tenure in Iraq, with variations in terms and time periods. Table 1 summarizes the different forms of tenure, the practices under which they operate, and their legal sources.

The Ottomans created a title deed system in which *miri* land was issued deeds in the name of the state in order to counter the power of sheikhs who asserted control over income from *miri* lands. Following the socialist revolution in 1958 the government claimed all large landholdings, registered them as *miri* land, and redistributed them to cooperative societies and individuals in smaller parcels (Wiss and Anderson 2009).

The Iraqi Civil Code stipulates how property rights such as *tasarruf* are regulated, and a couple of important aspects of *tasarruf* are worth noting. A person in possession of *miri* land is entitled to *tasarruf* rights, which can be used as security for a loan. However if a *tasarruf* holder leaves land unused for three years without cause, rights to the land are forfeited. With the death of a *tasarruf* holder the rights are

passed to the deceased's heirs. If the heirs do not accept the *tasarruf*, it is then auctioned off (Wiss and Anderson 2009).

Table 1. Iraqi basic land tenure categories, practices and legal source

<i>Land Type</i>	<i>Contributing</i>	<i>Practices</i>	<i>Legal source</i>
<i>Ameriya (Miri)</i>	<ul style="list-style-type: none"> • State land, owned by governorate. 	<ul style="list-style-type: none"> • The Ottoman era and still exists under state regulations. 	<ul style="list-style-type: none"> • Ottoman Land Rights. • State regulations of ownership.
<i>Mulk</i>	<ul style="list-style-type: none"> • Rights gained through TAPU title, allowing various degrees of freedom in the use of the property. 	<ul style="list-style-type: none"> • Private ownership and governed by land rights laws, still exists. 	<ul style="list-style-type: none"> • Ottoman Land Rights. • State regulations of ownership.
<i>Waqf</i>	<ul style="list-style-type: none"> • Mainly religious endowments, translation of private ownership within an endowed land governed and regulated by Islamic law. 	<ul style="list-style-type: none"> • The Ottoman era, still exists. 	<ul style="list-style-type: none"> • Ottoman land rights • The British Mandate land rights. • The recent State regulations laws.
<i>Empty land</i>	<ul style="list-style-type: none"> • The dead land (Mewat) is undeveloped land at a distance from any town or village. 	<ul style="list-style-type: none"> • The Ottoman era. 	<ul style="list-style-type: none"> • Ottoman land rights • The British Mandate land rights. • The recent State regulations laws.
<i>Land rights use for a fixed term</i>	<ul style="list-style-type: none"> • Rights of use and benefit land. 	<ul style="list-style-type: none"> • The Ottoman era, still exists. 	<ul style="list-style-type: none"> • Ottoman Land Rights. • State regulations of ownership.
	<ul style="list-style-type: none"> • Rights of use and benefit for a fixed term of years during which the land and property is still owned to grantor. 	<ul style="list-style-type: none"> • The Ottoman era, still exists. 	
<i>Communal lands</i>	<ul style="list-style-type: none"> • The term was used at village level to denote either common undivided land or communal grazing land. 	<ul style="list-style-type: none"> • The Ottoman era, still exists. 	<ul style="list-style-type: none"> • State regulations of ownership laws: Civic Code Art 68 (1958). Civic Code Bk. 1 (1929).
<i>Unit/plot</i>	<ul style="list-style-type: none"> • User residence ownership rights. 	<ul style="list-style-type: none"> • Still exists under the new state regulations. 	<ul style="list-style-type: none"> • Ottoman land rights. • Pastoral lands, as opposed to cultivated land.
<i>Leases</i>	<ul style="list-style-type: none"> • Rights of use and benefit for specific amount and period. 	<ul style="list-style-type: none"> • Still exists under the state renting regulations. 	<ul style="list-style-type: none"> • Ottoman land rights. • State regulations of ownership such as: Law 87/1979 .
<i>Sell-Buy Process</i>	<ul style="list-style-type: none"> • Long complex transaction procedures that takes place at the RERD. 	<ul style="list-style-type: none"> • Still exists under the state renting regulations. 	<ul style="list-style-type: none"> • Issuing the Title Deed to be examined accurately at the RERD.

Source: Alossmi and Ahmed 2015

KEY LAND AND GOVERNMENT INTERVENTIONS

The Ottoman Land Code of 1858 was one of the first government interventions that sought to regularize land rights by establishing categories of landholding, and required surveys and registration of holdings. But by World War I only limited land registration had been achieved and land titles continued to be insecure, especially under tribal tenure systems through which the state retained ownership and tribes were allowed use rights (Metz 1988). Beginning in the early 1930s the Iraqi state pursued a number of land reform interventions in attempts to deal with acute land distribution problems (Metz 1988). This included resettlement and reclamation efforts in the 1940s, and settlement on state land for certain individuals together with programs of development in the 1950s.

The 1958 Iraqi Agrarian Reform Law attempted to provide a remedy for the large inequities in landholdings. This included the inequity of opportunity for acquiring land during the Ottoman rule between 1514 and 1918 which continued under British rule. This inequity resulted in approximately 80 percent of the land being owned by less than two percent of the population. The 1958 law was a landmark intervention in the history of Iraq and promised change from land-based feudalism toward private holdings (Al-Yasiri 1965). However, the results were chaotic in rural areas because the government at the time lacked the capacity for effective implementation. As noted in the above section ‘Land Disputes and Conflicts,’ two additional land reform interventions in the form of a 1970 law and a 1975 law sought to breakup large landholdings. Despite the intention of these laws, other ongoing government interventions resulted in the government gaining possession of large areas of agriculturally productive land.

In the 1980s intervention in the land sector was incoherent. First the government turned to land collectivization, and by 1981 had established 28 collective state farms that cultivated approximately 180,000 ha. In 1983 the government then produced a law encouraging local and foreign Arab investments in leasing larger plots of land from the government. And by 1987 the government produced plans to re-privatize agricultural land (Metz 1988).

More recently government intervention has focused on land and property restitution. To attend to displacement resulting from the conflict between 2003 and the onset of the ISIS incursion in 2014, Decree 262 and Order 101 were issued to facilitate return and claims, involving financial incentives to solve claims, along with a reiteration of the Anti-Terrorism Law that secondary occupation is unlawful (Isser and van der Auweraert (2009).

DONOR INTERVENTIONS

As noted above, one of the more robust donor interventions in the land sector began in 2004, when the Coalition Provisional Authority established the Iraq Property Claims Commission to attend to the Ba’athist era dislocations. This was then replaced by the Commission for the Resolution of Real Property Disputes (CRRPD). At present, donor interventions in the land sector focus primarily on facilitating return of IDPs to ISIS retaken areas. The UN’s International Organization for Migration (IOM) has a lead role in providing a wide variety of assistance with land and property assessments, legal assistance, and community stabilization both in locations where IDPs reside while dislocated and in areas of return (IOM 2016, 2017). UN Habitat and the Norwegian Refugee Council (NRC) are also engaged in a variety of projects to support returns of IDPs to locations of origin.

Generally, donor interventions in the land sector are coordinated under the Housing, Land and Property Rights Sub-Cluster, operating under the Global Protection Cluster (PCI 2016b). The Sub-Cluster engages in 'mapping' of key actors and areas of work relevant to land and property issues within 1) the humanitarian sector, 2) those engaged with early recovery, 3) development partners and, 4) government partners including the Ministry of Migration and Development, Ministry of Justice, Ministry of Housing and Construction, the Ministry of Planning at federal and regional levels, and the Offices of the Land Registries at the Governorate level (PCI 2016b). The Sub-Cluster also engages in advocacy, resource mobilization for land and property interventions, analysis and technical support, restitution and compensation, coordination to mobilize and organize donor interventions, and the development of partnerships with national, regional and local authorities (PCI 2016b). The Sub-Cluster is pursuing a set of seven strategic intervention objectives:

Restoration and provision of civil documentation. The Sub-Cluster is working with the Iraqi government on replacing and producing civil documentation. The lack of this documentation is a primary barrier to exercising land and property rights in a number of areas because such documentation is required for rental agreements, accessing justice and receiving benefits.

The provision of legal aid. The Sub-Cluster works with national and international NGOs and UN partner agencies to provide legal assistance with regard to land and property issues, and supports these efforts to improve the quality and reach of legal assistance.

Shelter-related assistance. For IDPs outside of camps, the Sub-Cluster coordinates humanitarian actors who provide land and property assistance for housing repair and winterization, cash grants to pay rent, and activities to increase tenure security such as ungraded lease agreements and rent control mechanisms (PCI 2016b).

Preventing forced evictions. With efforts focused on areas of the country that are particularly problematic for forced evictions (Baghdad, Kirkuk, Erbil and Dohuk), the Sub-Cluster directs legal services (as opposed to legal assistance noted above) in order to prevent widespread forced evictions. It also develops good practices that can be shared with other organizations and actors engaged in legal aid (PCI 2016b).

Assistance with the planning and implementation of housing policy. The Sub-Cluster assists its various actors and organizations in working with government in the planning and implementation of housing policy for expanding access to adequate and affordable housing and tenure security for IDPs.

Land and property returns. The government is supported in its efforts to re-establish land cadasters where these have been damaged or destroyed, and in transferring land and property records from Baghdad to regional offices. Further support is being provided to government to establish procedures for restitution or other remedies where land cadasters cannot be restored and where land and property disputes overwhelm in-place court systems. As well, support is provided to assist IDPs to secure their land and property rights while still displaced.

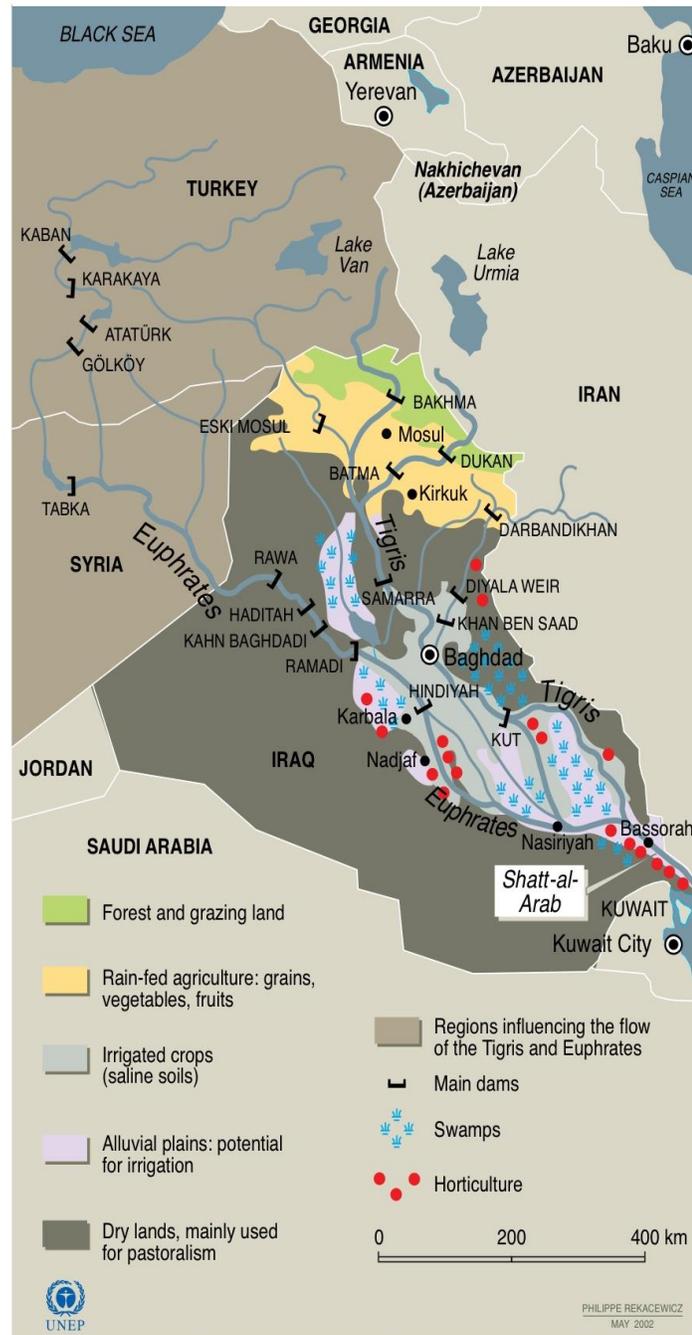
Policy for restitution and compensation. The Sub-Cluster and its members intend to work with government for the development of a policy framework for land and property restitution and other remedies, including working with IDP communities regarding their expectations, needs and proposals (PCI 2016b).

2. FRESHWATER (LAKES, RIVERS, GROUNDWATER)

RESOURCE QUANTITY, QUALITY, USE AND DISTRIBUTION

The two major water sources in Iraq, the Tigris and Euphrates rivers, provide over 98 percent of the country's surface freshwater (Abd-El-Mooty et al 2016). The headwaters of both rivers reside outside of the country, and once they enter Iraq the Euphrates traverses approximately 1000 km and the Tigris about 1300 km before joining together to form the Shatt Al-Arab waterway in the southeast of the country which then travels 193 km and drains into the Persian Gulf (Figure 1). Additional tributaries join the Shatt Al-Arab, the most important of which are the Karkheh and the Karen rivers. While the country had ample water supplies compared to its neighbors up until the 1970s, both Syria and Turkey began to construct dams on their portions of the Euphrates during this period, resulting in a pronounced decrease in both quantity and quality of river flow into Iraq (Abd-El-Mooty et al 2016) (Figure 1). While a number of dams on both rivers exist within Iraq, hydropower output in Iraq has dropped in recent years and is often at 30-50 percent of capacity. Together both rivers provide an annual flow of 80 - 84.2 Billion Cubic Meters (BCM), with 65.7 BCM coming from Turkey, 11.2 BCM from Iran, 6.8 BCM from Iraq, and 0.5 BCM added in Syria as the Euphrates passes through—highlighting the very significant influence of Turkey on the flows of both rivers in Iraq (Abd-El-Mooty et al 2016).

Figure 1. Waterways in Iraq



Agriculture use accounts for 90 percent of Iraq's freshwater use. However, salinization of agricultural lands, particularly over the past decades, has reduced yields and produced high levels of salinity in rivers,

which then creates problems for the drinking water supply and the restoration of the southern marshlands that were drained by Saddam Hussein (Lorenz and Erickson 2013).

Groundwater usage in Iraq is low, ranging between one and nine percent of all freshwater use, and accounting for approximately 1.2 BCM/year. However, groundwater use is an essential resource in the desert areas, which cover some 58 percent of the country (Lorenz and Erickson 2013). Groundwater quality in the east and north is adequate for drinking and irrigation, whereas groundwater quality is considerably lower in the south and west of the country. In the latter regions, groundwater development has become impossible in some areas and in others where the quality is acceptable, excessive pumping allows for saline water intrusion (Lorenz and Erickson 2013).

In the 1980s a large number of wells were drilled to provide water for agriculture. By 1990 the total number of wells drilled by government reached 8,752, with 1,200 of these being used for agriculture. In addition to these, the private sector established approximately 400 wells in the same timeframe. After the war between Iraq and Kuwait in 1990, no records as to the number of wells excavated were available. It is thought that a large number of additional wells were established during the 1990s when the government pushed the private sector to increase agricultural productivity in response to UN sanctions (Abd-El-Mooty et al 2016).

Iraq's southern marshlands once constituted the largest marsh system in the Middle East. In 1970 the marshlands covered an estimated 15,000 - 20,000 km². By the year 2000 this had been reduced to an area of approximately 1,000 km², comprising between five and seven percent of its original area, due primarily to efforts of the Saddam Hussein regime to drain the marshes in punitive measures aimed at the marsh Arabs (Lorenz and Erickson 2013). There have been a number of efforts to reclaim the marshlands over the past decade with modest success. It has been estimated that it would take approximately 20 BCM of water per year to restore the marshes, which is unlikely to be available given current water demands and declining water availability (Lorenz and Erickson 2013).

LEGAL FRAMEWORK

There is no Tigris-Euphrates basin-wide legal agreement between the countries with an interest in the basin. Lorenz and Erickson (2013) note that despite many years of water resource development, water law plays only a minor role in Iraq and in managing water with other countries in the larger basin. Part of the reason for this is the lack of datasets on water in all the basin countries (Lorenz and Erickson 2013). In Iraq, planning and allocation decisions for water use are managed from Baghdad, and there is little cooperation among the different government agencies that deliver water and almost no water user involvement (Shawky 2008). The primary water laws in the country include:

Ministry of Water Resources Law No. 50 of 2008. This law established the Ministry of Water Resources and created the legal and technical framework for the institutionalization of the management of water resources throughout the country.

Instructions No. 1 on digging water wells. This set of 14 articles regulates well drilling. It establishes that groundwater is state property and hence its exploitation, including extraction, can only occur with a license issued by the General Authority for Groundwater within the Ministry of Water Resources.

Law No 11 of 2012 - Fourth Amendment of Law No. 12 of 1995 Relative to the Maintenance of Networks of Irrigation and Drainage. The primary objective of this Amendment is to give control of the distribution of inland waters to associations connected to specific users. Such associations are established by the users of a common source of water. Associations must work to: raise the efficiency of water use and reduce waste; arrange for a fair distribution of water among participants in the association; contribute to dispute resolution; and maintain irrigation and drainage facilities.

Forests and Woodlands Law No. 30 of 2009. The intent of this law is to prevent deforestation in order to protect waterways and springs. See additional description under 'Trees and Forests' below.

Irrigation Law No. 6 of 1962. This law aims to regulate irrigation activities and to protect water resources. It stipulates that the responsible authority for public irrigation activities is the Ministry of Agriculture. The law also states that the Ministry of Agriculture has the responsibility to monitor and protect lakes, rivers and man-made waterways. The Ministry is also responsible for the establishment of irrigation water quotas, water distribution, and supervision of sector activities.

Law No. 2 of 2001 on Preservation of Water Resources. This law regulates the use of water for purposes other than for domestic use. The law establishes rules of water management, use, preservation and pollution.

Law No. 27 of 2009 on the Protection and Improvement of the Environment. This law intends to improve and protect the environment, including the protection of water bodies from pollution by dealing with damaged resources. The Law creates a Council for the Protection and Improvement of the Environment. It is located within the Ministry of the Environment to operate in cooperation with other ministries. The Law stipulates environmental impact assessments shall be completed for new projects within the country.

TENURE ISSUES

Ownership of surface water that crosses international boundaries is a contentious issue in the region and quite political. Iraq and the surrounding states regard release of water data to be a state secret, which undermines effective cooperation regarding water use and quantity of flow across borders and complicates ownership issues (Lorenz and Erickson 2013).

Water rights in Iraq are held by the state. For irrigation purposes users have no water rights per se, and must contribute by the way of fees to the agricultural program set by the government (World Bank 2006). Distribution rights for inland waters can be held by associations of users of a common water source.

In spite of a number of well-intentioned laws regarding use and management, in areas of the country where enforcement and government support are lacking, local-level assertions of rights over water exist, based on the authority of customary institutions. There is no evidence of coordination between such institutions and government.

GOVERNMENT ADMINISTRATION AND INSTITUTIONS

Iraq's water administration is heavily centralized, and this is reflected in the current laws and administrative structure that govern water use, ownership and management. The Ministry of Water

Resources (MoWR) is responsible for water management in the country, including maintenance of the irrigation dams and canals. It is also tasked with promoting and improving water resources, preserving the rights of Iraq in the transboundary water sector, and restoring the southern marshlands in cooperation with the Ministry of the Environment (UNESCO 2014). The MoWR has 'surveillance staff and cooperatives which oversee water management. The Ministry is the successor to the former Ministry of Irrigation, and is organized into a series of commissions, directorates and centers, and is receiving donor assistance to enhance capacity.

Rights to groundwater are also held by the state, and individual users must apply for a license from the General Authority for Groundwater. The National Groundwater Centre, as part of the Commission for Integrated Water Resources Management, works in quantitative and qualitative assessment of groundwater and for developing the national hydrological database. The MoWR has divided the country into 10 groundwater blocks and carries out hydrogeological surveys to determine their potential. The surveys for the desert blocks are complete, and there exists the prospect of establishing additional wells in certain aquifers (Abd-El-Mooty et al 2016; World Bank 2006).

UNDP and UNESCO have assisted Iraq in establishing a series of Local Water Committees in some parts of the country. And while other donors have also worked with the MoWR to establish additional administrative and institutional structures for water management, the Ministry is still in a period of change as is its relationship with other institutions in and out of government and has failed to set up a National Water Management Council (UNDP-UNESCO 2014).

GOVERNMENT REFORMS, INTERVENTIONS AND INVESTMENTS

As noted above the MoWR is still in a period of change, and while it does have a strategic plan, progress in reconstruction and development efforts is behind schedule (Lorenz and Erickson 2013). While the government has plans to build more dams, an uncoordinated operation of these dams could dramatically reduce flows to the marshlands (Jones et al 2008; Lorenz and Erickson 2013). In July of 2003 MoWR put together a one-year plan that included an ambitious schedule for 1) the privatization of certain water facilities, 2) conducting an inventory of all pumping stations and waterworks, 3) the re-establishment of user fees for water, and 4) an emergency repair plan for facilities (Lorenz and Erickson 2013). To date, however, work on these goals is still underway. In 2011, the Iraqi Ministry of Water Resources announced plans to build a 129 km canal to divert water from the Shatt Al-Arab waterway for use in irrigation, bringing approximately 0.95 BCM/year to agricultural land in Basra Governorate (Abd-El-Mooty et al 2016).

DONOR INTERVENTIONS AND INVESTMENTS

Water infrastructure reconstruction began under the Coalition Provisional Authority and continued after the transfer of sovereignty at the end of June 2004. In 2003 the US approved \$4.3 billion for water and public works (re)construction, including 90 large water projects. By 2004 however ongoing insecurity prevented meaningful progress in water infrastructure reconstruction. Security costs and administrative costs for Western companies further decreased the funds available for actual reconstruction and created obstacles and delays, with the result being that contractors were only able to supply half of the potable water that was initially planned (Lorenz and Erickson 2013).

Also in 2003, the US worked with the Ministry of Water Resources in the preparation of a new Water Resources Master Plan, but it was not completed. In 2011 the Italian government provided funding for a similar effort through the Department of Agricultural and Forest Engineering at Florence University in Italy. The Italian project includes assistance with the recovery of the southern Iraqi marshlands, and the establishment of monitoring stations located throughout the country including on both the Tigris and Euphrates rivers. Information on the progress of this effort, however, is scant.

3. TREES AND FORESTS

RESOURCE QUANTITY, QUALITY, USE AND DISTRIBUTION

The forest area in Iraq is minimal. Approximately 822,000 ha, or 1.9 percent of the country, is in forest cover, with all of it classified as subtropical. Of this, none is in primary forest, with 98.4 percent of the forested area existing as 'modified natural' forest (containing 20 native species) and the remaining 1.6 percent in tree plantations (Butler 2005). Between 1990 and 2000, forest cover increased by an average of 1,400 ha/year, comprising an average annual reforestation rate of 0.17 percent/year. However, between 2000 and 2005 the reforestation rate had decreased to 0.1 percent/yr. Overall between 1990 and 2005 the country gained approximately 2.2 percent of its forest cover—about 18,000 ha. Forest lands are protected in Iraq, with approximately 80 percent existing under some form of protected status, and the remaining 20 percent in some form of conservation (Butler 2005).

As of 2002, when the last reliable estimates were available, wood fuel use stood at 43,000 m³, all of which is consumed domestically. Forest production for lumber was 12,000 cubic m, which when combined with an import of 16,000 m³ results in 28,000 m³ of lumber consumption. Forest pulp production for paper was 11,000 metric tons in 2002, all of which was consumed domestically. Forest for paper and paperboard production was 20,000 metric tons, which together with an additional 20,000 metric tons imported, put paper and paperboard consumption at 40,000 metric tons (Butler 2005).

LEGAL FRAMEWORK

There are three primary laws in Iraq that govern the ownership and use of forests and forest lands.

Forests and Woodlands Law No 30 of 2009. Comprised of four sections and 27 articles, this law seeks to prevent deforestation primarily for the purpose of protecting waterways and springs. The primary objectives of the law are to: organize the protection, management, maintenance and improvement of forests; increase the area under forests; combat erosion and desertification; encourage agricultural investment; preserve the agricultural heritage of Iraq; and provide recreation and job opportunities.

Notification No. 5 of 1967. This regulation seeks to prohibit tree cutting, charcoal making, and the transport of forest products for commercial purposes in certain natural forest areas. Exceptions to these prohibitions are listed in Article 2 of the Notification. The regulation stipulates that villagers may cut trees and transport wood products for specific purposes within forest regions.

Forestry Law No. 10 of 2012 of Iraqi Kurdistan Region. Pertinent only to the Kurdistan Autonomous Region (where most of the forest lands in the country are located), this law seeks to: 1) organize the protection, management, maintenance and improvement of forest lands; 2) increase the area

of green space; 3) protect the environment; 4) mitigate the effects from climate change; 5) encourage agricultural investment in forestry; 6) provide raw materials needed by the wood industry; 7) preserve varieties of naturally occurring tree species and maintain their genetic origins; and 8) provide for recreational and tourist areas.

TENURE TYPES AND SECURITY

While all forest land is classified as ‘public land’ (Butler 2005), the Forests and Woodlands Law stipulates that this does not apply to trees on gardens and parks within cities and towns, private gardens, and trees and shrubs of cemeteries and holy shrines, as well as all kinds of trees and shrubs on privately held lands. The law does however specify that trees held on private lands may not be cut except for necessity, particularly if the trees concerned are involved in waterway protection or the protection of springs. In addition, certain actions are banned without the prior approval of the General Company for Horticulture and Forestry. Thus, while actual ownership of trees on privately held land appears secure, what a private owner can do with trees is significantly controlled. Trees on land held commonly by lineages or tribes is not mentioned in the law, but it is in Notification No. 5 of 1967 where it is noted that villagers can cut wood and transport wood products for certain purposes only.

GOVERNMENT ADMINISTRATION AND INSTITUTIONS

The government administration for forest lands resides within the General Company for Horticulture and Forestry, within the Ministry of Agriculture.

GOVERNMENT AND DONOR REFORMS, INTERVENTIONS AND INVESTMENTS

The National Environmental Strategy and Action Plan for Iraq (2013-2017) mentions intervention in the country’s deteriorating forests and woodlands only briefly, noting that the problem will be addressed by “implementing projects to develop and rehabilitate forests, woodlands and orchards” (RoI 2013). The government does however support outside investment in the forestry sector, with the Iraq Investment Map (2017) noting the opportunity in this regard for the ‘agriculture, forests and hunting’, tourism, and date palm sectors (RoI 2017).

The date palm sector is the focus of some attention in Iraq for the government, certain donors and the inhabitants of specific areas. The government, beginning in 2005, initiated a recovery plan for date palm focused on replanting programs. The Date Palm Department within the Ministry of Agriculture is involved in a \$150 million investment to triple the number of date palm trees in the country by 2021. The government is also courting private investors to cultivate date palm areas in the western desert. Given that date palm trees numbered 32 million in the mid-20th century, then dropped to 12 million by 2000 and then was reduced further in subsequent years due to conflict and embargo; and that Iraqi cultivated dates were seen as among the best in the Middle East, the investment potential would seem to be significant. Donor interest in Iraq’s other forestry sectors is minimal, and is usually combined with the recovery and conservation of natural resources.

4. MINERALS

RESOURCE QUANTITY, QUALITY, USE AND DISTRIBUTION

Hydrocarbons. Iraq's mineral wealth is substantial, particularly with regard to oil and gas. Iraq produces approximately 4.2 million barrels of oil per day, making the country the second largest producer in OPEC, an organization it helped establish. Natural gas production on the other hand remains low, particularly compared to proven reserves. Most natural gas produced in the country is currently flared, but there are plans to capture flared gas and market it. The country is 12th in the world in terms of proven natural gas reserves with 111.52 trillion cubic feet, and gas reserves are expected to grow significantly with continuing exploration. Overall Iraq is ranked as third in the world for reserves of oil and natural gas (Failat 2011).

Iraq exports about 3.48 million barrels per day of crude oil, most of which is produced in Basra. In 2012 Iraq was the sixth largest net exporter of petroleum liquids in the world, and its proven crude oil reserves of 141.5 billion barrels are the fifth largest in the world, representing almost nine percent of global proven reserves (Deven and Al-Amin 2014). Most of the country's proven oil reserves reside in the southern part of the country, but some exploration is in the north between the Kurdistan Region and the Iraqi provinces Ninewa, Kirkuk, and Diyala.

Solid minerals. Government released estimates for the country's proven solid mineral resources include 10 billion metric tons (MT) of phosphorite, 8 billion MT of limestone, 1.2 billion MT of kaolinite clay stones, 600 MT of antic sulfur, 330 MT of dolomite, 130 MT of gypsum, 75 MT of quartz sand, 22 MT of both glauconite and bentonite, 50 MT of Halite salt, 16 MT of quartzite, and 2.3 MT of feldspathic sandstones, in addition to significant reserves of construction sand, sandstone and gravel (Taib 2011). The northern and northeastern parts of the country contain a belt of minerals in smaller quantities that include chromium, copper, gold, iron, lead, manganese and zinc (Abdulameer 2014).

LEGAL FRAMEWORK

Hydrocarbons. While Article 112 of the Constitution stipulates the enactment of a law to regulate oil and gas, as of 2017 this has not occurred. And no updated information is available at the time of writing. A proposed law has stalled amidst disagreement and political division since a draft was submitted in 2011 (following an earlier draft of 2007). The proposed federal oil law of 2011 has drawn criticism from different quarters in Iraq, hindering its passage. The Sunnis prefer a stronger role of central government, while the Kurds prefer a stronger role for regional authorities. The role of foreign investors (such as BP, Exxon and Total active in the south), as well as the classification of oil fields, also divides politicians (Beehner and Bruno 2008).

The different sources of regulations and laws that comprise the regulatory regime in Iraq produce a degree of uncertainty regarding the hydrocarbon sector. Confusion regarding which laws and regulations apply in any given situation or for different actors, stems largely from changes in the political system over time. Thus, certain laws that pertain to oil and gas which were enacted during the Kingdom era, the military and Ba'athist regimes, and issued by the Coalition Provisional Authority remain in effect (Blanchard 2009; Devine and Al-Amin 2014). This is the case because article 130 of the Constitution states that pre-existing laws remain in effect unless they have been specifically repealed or amended. The result is that some older laws that do not fit with the current legal environment still apply and are often

enforced (Blanchard 2009). The overall result is that the regulatory regime that applies to gas and oil exploration and production is based primarily on the laws and regulations produced by the Ba'athist government prior to 2003. It should be noted that nationalization of the oil and gas sector started in 1960 before the Ba'athist coup in 1968. Foreign companies were limited to certain areas around Kirkuk and Basrah until 1972 when the oil and gas sector was fully nationalized. The Iraq National Oil Company (INOC) was created in 1964 to take over from foreign oil companies. INOC was subsumed under the Ministry of Oil in the late 1980s.

The legislation applicable in Federal Iraq includes:

- The Organization of Ministry of Oil Law of 1976;
- The Preservation of Hydrocarbon Resources Law No. 84 of 1985;
- The Ministry of Oil Regulation Law No. 21 of 1978;
- The Iraqi Revolutionary Command Council Order No. 1075 of 1976 regarding authority to negotiate and sign petroleum contracts;
- Revolutionary Command Council Order No. 167 of 1985 regarding oil pipelines;
- Protection of the Environment Law No. 27 of 2009, which stipulates that an Environmental Impact Statement (EIA) must be submitted by a hydrocarbon 'project owner'.

The Ministry of Oil has wide discretionary powers in the management of hydrocarbons, and has invited foreign companies to work in Iraq by way of four petroleum licensing rounds. The majority of licenses were issued in the first and second round. In the Iraq Kurdistan Region the Regional Government has enacted its own oil and gas law, the Kurdistan Oil and Gas Law No 28 of 2007. Following passage of this law, the Kurdistan government has moved to award numerous contracts to oil companies, but the federal government does not view these contracts as legal.

Solid Minerals. Investment Law No. 13 of 2006 covers areas of investment for solid minerals, as well as other sectors, excluding hydrocarbons (Taib 2011). The Iraqi Ministry of Industry and Minerals Law No. 38 of 2011, defines the objectives, scope and structure of the Ministry (Abdulameer 2014).

TENURE TYPES AND SECURITY

According to the Constitution oil rights are held by the people of Iraq; hence rights to oil and gas are not generally held by those who may hold surface rights to land. The result is that the state of Iraq, acting through the government, is the sole representative of the Iraqi people, and thus has exclusive rights to: explore, develop, extract, exploit and use hydrocarbons in the country, including the appointment of contractors to assist carrying out these activities (Blanchard 2009).

The Kurdistan Regional Government, however, takes the position that the provinces and Federal Regions have the rights to explore, develop, exploit and use hydrocarbons that exist within their territory without the need to consult the Federal Government (Blanchard 2009; Devine and Al-Amin 2014). It is expected, however, that once the proposed Federal Oil and Gas Law is enacted, it will clarify who has what rights to oil and gas and how these rights can be used. This is likely to be a difficult topic to resolve

between the Kurdish government and the federal government given the current (late 2017) difficult relationship between the two.

GOVERNMENT ADMINISTRATION AND INSTITUTIONS

Hydrocarbons. With the full nationalization of the hydrocarbon sector in 1972, the government considered that it alone controlled the sector in the country. This changed with the 2005 Iraq Constitution that transformed the country into a federal state, and most competencies were then devolved to the regions and provinces, with more limited involvement of federal authorities. The oil articles are listed with the Federal Powers, but the oil articles also state that the federal government is to manage the nation's oilfield 'with' the regions and provinces. It is unclear precisely what it means. There is, however, a difference of position in the Kurdistan Region in the interpretation of the Constitution with regard to control over extraction of oil and gas within their borders; and the Ministry of Natural Resources of the Kurdistan Region has taken responsibility for oil and gas within the region. Nevertheless, the Ministry of Oil within the Federal Government has broad discretion to regulate extraction of gas and oil in the Federal Provinces. The government incorporates five oil production companies (North, Basrah, Dhi Qar, Maysan, and Midlands oil companies) that have limited discretionary powers. However ultimately the authority exercised by these companies can be overridden by the Ministry of Oil (Blanchard 2009).

The Ministry of Oil's Petroleum Contracting and Licensing Directorate organizes rounds of bidding and negotiates with international oil companies and the involvement of foreign investors in the gas and oil sectors. The Ministry of the Environment ensures compliance with environmental regulations.

Solid Minerals. The Iraqi Ministry of Industry and Minerals (MIM) is responsible for managing and promoting the country's solid mineral sector, including regulating industrial and metallurgical activities, and setting policies and strategies in alignment with the government's policies (Abdulameer 2014). The MIM manages the activities of the solid mineral sector through a number of state-owned companies. These include: the General Company for Phosphate; Geosurv-Iraq; the Iraqi Cement State Co.; Mishraq Sulphur State Co.; Northern Cement Co.; Southern Cement Co; the State Company for Iron and Steel (SCIS); and the State Company of Fertilizers—Southern Region (Abdulameer 2014).

The Iraqi Geological Survey is responsible for geological mapping of solid mineral deposits and is presently active in mapping on a detailed scale. The Survey follows up on mineral exploration and makes assessments regarding exploitable reserves (Iraq Mining 2017).

GOVERNMENT REFORMS, INTERVENTIONS AND INVESTMENTS

The primary goal of the government is to increase production in the oil fields that are already producing oil to approximately three times current levels. It also seeks to stop the flaring of gas and is intending to initiate gas capture efforts in the southern fields with the Basra Gas Project (Devin and Al-Amin 2014). The Oil Ministry has recently (July 2017) suggested that nine oil and gas projects (both exploration blocks and discovered fields) along the borders of Kuwait and Iran could possibly be available for foreign investment in the upcoming year, with the bid round scheduled to begin in June 2018 (IOR 2017).

DONOR INTERVENTIONS AND INVESTMENTS

In recent years declining oil prices have led to an arrangement between the IMF and the Iraqi government whereby a \$5.3 billion loan was made, conditional on the government settling all of its debts to international oil companies and not adding new debts. This requires the country to put a large portion of its oil exports into paying its outstanding debts to international oil companies instead of to the national treasury. The terms for the II contracts made with international oil companies since 2009 for the development of the country's southern oil fields stipulate that the Ministry repay all the cost incurred by the companies, in addition to a fee per barrel (MEI 2016).

5. LAND AND CONFLICT

HISTORICAL LAND-RELATED CONFLICT

Historical land-related conflict in Iraq stems primarily from the long succession of invasions and conflict between the different sects, ethnicities and those in power, as well as the resulting massive dislocations of populations from their lands and properties over time. Waves of forced dislocation, resettlement, and attempts at reclaiming lands has been an ongoing source of land conflict in the country.

Even under Ottoman rule, the area that is today Iraq comprised a battle zone between rival regional empires and tribal alliances (Milton-Edwards 2003). Uprisings and reactions against governments, sects, and ethnicities continued subsequent to Ottoman rule when Iraq briefly became a kingdom, then a republic in 1958. The Ba'athist era was known for large-scale population displacement and replacement based on ethnicity, particularly in the north with regard to the Kurdish population. Current efforts at reclaiming land and property from these dislocations is the source of many conflicts. Following the Iran-Iraq war insurrections continued to plague the country involving demoralized soldiers, the Kurdish population, and the drainage of the marshlands and forcible relocation of the Marsh Arabs. The 2003 invasion added to the dislocation - relocation - conflict process, as has the conflict with ISIS, and the recent tensions between the Iraqi government and Kurdish authorities.

The civilian tolls in these wars and insurrections resulted in widespread property abandonment, confiscations, transfers and inheritance conflicts, which were particularly problematic for female headed households who held (and continue to hold) subservient rights to property under the various governing regimes and tribal tenure. With each new conflict and dislocation, descendants of those previously dislocated from the area attempt to reclaim their ancestors' land and property—as occurs today when those dislocated from the conflict with ISIS now return to find their land reclaimed by descendants of those dislocated during the Ba'athist era.

Overall, many land conflicts in the country constitute an embedding of individual claims and conflicts within territorial conflicted claims pursued by tribes, sects and ethnicities, and often there is no clear boundary between the individual and group land conflicts. Historical claim has played (and continues to play) a large role in land and property conflicts as a justification for engaging in them, both at the individual and group levels.

CURRENT STATE OF LAND-RELATED CONFLICT

Many current land-related conflicts in the country can be categorized into three broad types: 1) conflicts associated with the three contemporary periods of large-scale dislocation (Ba'athist, coalition forces, ISIS); 2) the overlap and confusion between land rights for individuals and rights claimed by groups involving ethnic territoriality; and 3) a weak state presence and capacity in large areas of the country, and the filling of this vacuum with tribal, Islamic, militia, and hybrid forms of managing land rights.

The first type comprises the large-scale dislocations in the country which lead to land and property conflicts in a couple of ways. Most important are those that result from returnees finding others on their lands, or that demographic change along sect, ethnic, or religious lines has occurred in certain areas. Of secondary importance are returnees finding their land and property damaged or destroyed and who then seek other lands and properties from which to pursue livelihoods, which in turn cause conflict with the owners of those properties. While returnees who find their property unoccupied, or who are able to settle adverse claims themselves and/or rebuild by themselves, do so with little notice from government or outside actors, it is those that encounter more difficult circumstances that enter into serious conflicts.

The second type of land conflict is that which is caught up on the assertions and defense of ethnic territoriality, played out at the level of the household. This is most acute between areas claimed by both the Kurdish population and the current federal government. While the military efforts by both sides are important in this regard, equally important are the neighborhood level land and property interactions by members of various ethnic groups to encourage dislocation, or promote or prohibit return to certain areas by specific ethnic group members. The recent (October 2017) takeover of Kirkuk by Iraqi forces alongside the Shia Popular Mobilization Units has resulted in approximately 100,000 primarily Kurdish civilians fleeing the city, with their homes and properties looted and destroyed by other civilians. At the same time the city itself resides on disputed land claimed by Arabs, Turkomans and Kurds (Chmaytelli 2017).

The third type of land and property conflict is more tied to the relatively weak presence of state institutions in insecure or more peripheral areas, leaving these populations to engage in a variety of customary, tribal, religious and state hybrid approaches to land and property rights, often backed up by local militia enforcement (Guiu 2017).

CURRENT LAND SYSTEM AND CONFLICT

Iraq's long history means it has had numerous land rights systems over the centuries. Some of these have evolved locally across tribes, sects, geographic locations, and religions, others have been imposed, and still others were imported. The present-day land tenure system is actually a set of embedded and overlapping systems which has many historical elements that can be either contradictory or cooperative, opposed or aligned, or apply only to certain groups and are discriminatory to others. At the same time, the statutory legal culture in Iraq is deep, well established, and viewed as prestigious (particularly with regard to the Civil Code), albeit applied in different ways as state ideology has changed (Al-Ossmi et al 2015; Stigall 2009). The result can be a certain rigidity when making statutory laws relevant to a diverse civil society, relegating the actual application of statutory laws as simply a matter of enforcement. Islamic law, which plays a significant role in contemporary law including for land rights, is known to be locally interpreted allowing for multiple possible approaches to land rights (Sait and Lim 2006). The overall

approach to land rights in the country is then one of significant legal pluralism, with a great deal of ‘forum shopping’ (shopping for which legal fora to have a dispute heard in).

While such pluralism and forum shopping can be advantageous in terms of resilience under certain circumstances, if the different pluralities are not eventually stabilized and made to relate to each other, disputes then become difficult to resolve, and the different ways of engaging in land rights become aligned with society’s fractures (Unruh 2009).

An additional problem with the statutory land system is that it has been used in the past to expropriate land and property based on ethnicity or sect, such that combined with the relative weakness of statutory law and state presence in the more peripheral areas, creates a trust problem for civil society. While new laws (and discarding older discriminatory ones) are a start, it is the actual experience of civil society over time that matters in their trust of a land and property system.

A particular problem with the land information system in Iraq is its inaccessibility—particularly in the current period when there is a great need to locate property and other identity documents within the government system and then to generate copies of these for claims purposes. This is made significantly difficult by the centralized land information system in Baghdad, such that an individual in Erbil or Mosul would need to make an application to retrieve the needed documents which are reportedly contained on CDs in Baghdad (personal communication Iraqi lawmaker).

A number of problematic issues center around the set of Iraqi land and property laws noted above in the section, ‘Legal Framework for Land.’ First, because laws and regulations not explicitly amended or superseded continue to be in force, some laws continue in conflict with subsequent laws due to this omission. Second, the set of laws in place reflect different legal ideologies and purposes, adding confusion (and the resulting tenure insecurity) as to what laws apply to whom, where and how, particularly in the case of international actors. Third, there are a set of laws that outlaw certain day to day activities of specific livelihoods that are beyond the capacity of the state to enforce, and open up opportunities for corrupt application—such as the pasture law.

While conflicts that emerge from the Ba’athist era dislocations are supposed to be dealt with by The Commission for the Return of Real Property, the remedies offered are widely viewed as insufficient, often offered in a ‘take it or leave it’ fashion, and the process for obtaining remedies is overly bureaucratic and cumbersome, with the result that its effectiveness is diminished. The claims that focus on secondary occupation, damage and destruction due to the 2003 conflict between the Iraqi state and coalition forces are to be dealt with according to Decree 262 and Order 101 (described above in the section ‘Key Land and Government Interventions’). However, there is ongoing confusion as to how these two laws are to be implemented, which combined with the absence of the state and effective institutions to implement them, results in a variety of approaches to reclaiming land and property—from violence, to attempts at applying tribal and/or Islamic law, or components of state law—all of which can be variously backed up by militia enforcement. Recent research with IDPs in northern Iraq reveal that 63 percent were unaware of government laws pertaining to land and property returns, half do not believe the government will assist with returns, and only 13 percent had heard of the IPCC (DDHLP 2017). For the third period of dislocation, the conflicts now emerging as IDPs return to areas retaken from ISIS to find land and properties occupied, damaged or destroyed, there is no legal mechanism by which to reclaim lands and properties, other than the vague Decree 262 and Order 101.

ACTIONABLE OPTIONS

A number of actionable options exist that government and donors could consider in order to stabilize the land rights systems in the country.

Restitution. The lack of legislation and institutions that are able to attend to the dislocations and effective return from the ISIS war constitute real concern. The more than 5 million IDPs that resulted from ISIS occupation of cities, towns and rural areas in Iraq is a significant population, and without a robust legislative and institutional restitution effort to support their return and reintegration, the very significant risk is that returnees will default to armed kin to solve land and property disputes (personal communication Iraqi lawmaker). What is needed is legislation authorizing a land and property restitution process whereby a land commission can operate (apart from normal courts) to handle claims within international standards, move with sufficient speed, and provide realistic remedies involving how to handle secondary occupants, damage and destruction, and the inability to return in some cases due to demographic change. Such a restitution process has different components that can be supported by different donor and government efforts. While the legislative component needs to be Iraqi law, international law and standards can contribute as they do for restitution processes in other countries in a transitional justice approach. Donors can support the process of drafting the needed legal structure, staffing a commission, advising on the processing of mass claims, and implementing realistic remedies.

An area important to the restitution process which could use donor support is the establishment of a variety of remedies other than return of one's land. When return is not possible, successful restitution processes elsewhere have used a wide variety of alternative remedies that need to be explored with Iraqi lawmakers and considered for use. Such remedies can include: vouchers or bonds connected to private or government companies that grow in value over time; credits and shares in companies; pre-emptive remedies such as 'announcements' and injunctions; approaches to 'setting aside contract'; a variety of techniques for settlement between claimants and secondary occupants directly; alternative properties; managing enforcement of decisions; strategic use of development priorities; and a variety of strategies for structuring compensation fund payments in order to achieve specific objectives (for a review of remedies see Unruh 2016a).

Near-term awareness raising for IDPs. While a conventional restitution process can take time to put together—although there are new techniques that use digital technologies for a quicker, lower cost process (Unruh et al, 2017)—a much more immediate concern is that IDP return to ISIS retaken areas began before the conflict was over. The large-scale return of IDPs to areas lacking in state institutions and proliferating in local 'self-help' style militias, coupled with a lack of knowledge on the part of returnees regarding their rights, obligations, options and what is legal and illegal, is an unstable mix. The need for awareness raising for these returnees as to what their legal options are, what is discouraged, who to go to with claims regarding secondary occupation, damage and destruction of land and property, is acute. Recent research indicates that a real opportunity to do this quickly and cost-effectively resides in the IDPs own use of digital and social media, given their high literacy in the use of such media, the pervasiveness of mobile phones of various kinds, and their current practice of monitoring their land and property while dislocated through digital and social media currently (DDHLP 2017).

Legal review. Over the longer-term an effort at aligning Iraqi land and property laws both with each other and with the contemporary needs and aspirations of civil society, could use support from

government and donors. Support for a legal review of existing laws with a perspective of terminating un-useful, confusing and unrealistic laws (or parts of these), would be very valuable to gains in tenure security across sectors of civil society, and reduce confusion and exploitation and abuse of older laws belonging to different governing ideologies. Iraq has a rich and widely respected legal history upon which to draw, and this would be highly useful in a streamlining of current land and property law.

ADR and tribal law. While the field of alternative dispute resolution (ADR) has progressed significantly in recent years and some of these techniques may be useful in the Iraq context, Iraqi lawmakers acknowledge the very significant role of tribal law as an alternative in managing land and property issues, including dispute resolution. They see tribal law (and those that operate them) as partners to a certain degree, in the administration of land and property, and they acknowledge the relevance of efforts to bring tribal law and statutory law together in mutually supportive ways (personal communication Iraqi lawmaker). Iraq has a significant history of fusing different forms of law, a clear advantage in the present circumstances where the state can have limited reach in certain areas. Exploring the different ADR approaches that tribes and lineages already use, and that can be connected to statutory law in mutually supportive ways, would be worthwhile to support. This will be particularly important given that tribal dispute resolution mechanisms will be present in areas of return for IDPs well before functioning, efficient state institutions seen as legitimate by civil society.

Land and property information - documents and evidence. A significant problem in Iraq is the loss of documentation that can attest to land and property ownership, lease, access and use. While Iraqi lawmakers note that copies of all title deeds exist on CDs in Baghdad, accessing these copies by Iraqi citizens, particularly those far from the capital, is problematic. A significant effort, beyond the current effort by the Housing, Land and Property Sub-Cluster noted previously, is needed to organize, and make quickly accessible for all citizens, a broad array of documentation that can assist in reclaiming, dispute resolution, tenure security, and recovery. Copies of title deeds, national IDs, school, utility, service, inheritance, property transfer, and other documents can be highly valuable in proving how people are attached to their lands.

Compounding the problem of lack of documentation is the significant number of cases of fraud, duress and coerced sales, confiscations followed by good faith transfers, and selling the same land multiple times—all of which generate documentation. This highlights the importance of other forms of evidence that can corroborate assertions of land and property claim. Support is needed in working with the Iraqi legal establishment, particularly in the context of the restitution effort described above, for temporarily relaxing certain evidence rules for land and property claims regarding the supremacy of the document, to allow other forms of corroborative evidence into claims and dispute resolution proceedings. A wide variety of evidentiary techniques are available which have been successfully used in other war-affected land and property rights scenarios that could be helpful: claims categorization, evidentiary patterns and presumptions, precedent-setting, matching and non-party evidence, handling oral evidence, intimate knowledge (for a review see Unruh 2016b).

6. DATA SOURCES

- _____.Abdulameer W (2014). The Mineral Industry of Iraq, USGS 2014 Minerals Yearbook.
- Abd-El-Mooty M, Kansoh R, Abdulhadi A (2016). Challenges of water resources in Iraq. *Hydrology Current Research* 7:4, 1-8.
- Agrarian Reform Law No. 117 of 1970.
- Ahmad YK (2012). Legislations on water resources protection in Iraq. *Legislations: An Overview of the Basic Legal Features*. Max Planck Institute for Comparative Public Law and International Law, August.
- Al-Ossmi L and Ahmed V (2015). Land tenure security according to land registration systems in Iraq. *Proceedings of the 12th International Post-Graduate Research Conference, MediaCityUK*, 10-12 June.
- Al Yasiri K (1965). *The Agrarian Reform Law of 1958: A catalyst for economic and social development in Iraq*. Retrospective Thesis and Dissertations 3286, Iowa State University.
- Baali F (1960). *Land tenure and rural social organization: a study in Southern Iraq*. LSU Historical Dissertations and Theses, 608. Louisiana State University.
- Beehner L and Bruno G (2008). Why Iraqis cannot agree on an oil law. *Council on Foreign Relations*, Feb 22.
- Bloomberg (2017). Iraq and Iran boost oil exports in sales battle with Saudis. *Bloomberg Finance*. <https://www.bloomberg.com/news/articles/2017-10-09/iraq-and-iran-accelerate-oil-exports-in-battle-with-saudi-arabia>.
- _____.Butler R (2005). Iraq forest data. *Montana's.com*. Available at: <https://rainforests.mongabay.com/deforestation/archive/Iraq.htm>
- Chmaytelli (2017). Kurdish officials say thousands flee Kirkuk since Iraqi army takeover. *Reuters*, October 19.
- _____.CIA (2003). *Iraq: Country Profile*. Central Intelligence Agency, Washington DC.
- _____.Company for Contracts for Land Reclamation (Law No. 116 of 1981).
- DDHLP (Digitally Designed HLP) (2017). Survey of digital technology and social media use among Iraqi IDPs. *Digitally Designed HLP*. Available at: <http://digitalhlp.com>
- Devine R and Al-Amin S (2014). Oil and gas regulation in Iraq: overview. *Practical Law Global Guide 2014/15*. Association of Corporate Council.
- [https://uk.practicallaw.thomsonreuters.com/9-581-2725?transitionType=Default&contextData=\(sc.Default\)&firstPage=true&bhcp=1](https://uk.practicallaw.thomsonreuters.com/9-581-2725?transitionType=Default&contextData=(sc.Default)&firstPage=true&bhcp=1)
- _____.FAO (2017). *FAO gender and land rights database*. FAO, Rome. http://www.fao.org/gender-landrights-database/data-map/statistics/en/?sta_id=1162

_____.Forestry in Iraq. <http://www.fao.org/docrep/x5346e/x5346e06.htm#TopOfPage>

Guiu R (2017). Early recovery programming as a means of combating civilian recruitment and militarization in Iraq. Social Inquiry, available at: <https://social-inquiry.org/early-recovery-programming-as-a-means-of-combating-civilian-recruitment-and-militarization-in-iraq-25e03bf212e6> accessed on 24 Oct. 2017.

Haersolte-van, J 2006. Innovations to speed mass claims: New standards of proof. In: Permanent Court of Arbitration (ed.), Redressing injustices through mass claims processes, 13–24. Oxford: Oxford University Press.

Holtzmann H and Kristjansdottir E (2007). International mass claims processes: Legal and practical perspectives – remedies. Oxford, UK: Oxford University Press.

International Organization for Migration (IOM) (2016). Community stabilization handbook: an overview of community transition and recovery achievements in Iraq. International Organization for Migration, Iraq Mission, Baghdad.

International Organization for Migration (IOM) (2017). Integrated Location Assessment: Governorate profiles. International Organization for Migration, Iraq Mission, Baghdad.

_____.Iraq Ministry of Planning (IMP) (2016). Iraq Ministry Website: <https://mop.gov.iq/en/>.

_____.Iraq Law No. 27 of 2009 on the protection and improvement of the environment.

_____.Iraq Law No. 2 of 2001 on Preservation of Water Resources.

_____.Iraq Irrigation Law No. 6 of 1962.

Iraq Mining (2017) Iraq Mining 2017, 2nd International Conference and Exhibition on Mining, Minerals and Materials in Iraq, Beirut.

_____.Iraq Forests and Woodlands Law No. 30 of 2009.

Iraq Law No 11. of 2012 - Fourth Amendment of Law No 12. Of 1995 relative to the maintenance of networks of irrigation and drainage.

_____.Iraq Instructions No. 1 on digging water wells.

_____.Iraqi Oil Report (IOR) (2017). Iraq opens border blocks for new investment. Iraqi Oil Report, July 10.

_____.Iraq Ministry of Water Resources Law No. 50 of 2008.

Isser D and van der Auweraert (2009) Land, property and the challenge of return for Iraq's displaced. UISP special report 221.

Jones C et al (2008). Hydrologic impacts of engineering projects on the Tigris–Euphrates system and its marshlands. Journal of Hydrology 353, 59–75.

Law of 2013 Confirming ownership of the agricultural lands and orchards excluded from the adjustment acts.

_____.Law No. 2 of 1983 on pasture.

Lorenz F, and Erickson E (2013). Strategic Water: Iraq and Security Planning in the Euphrates-Tigris Basin. Marine Corps University Press, Quantico, Virginia.

_____.Lucani P (2012). Iraq: Agriculture Sector Note. FAO/World Bank.

_____.Metz H (1988). Iraq: A Country Study. Washington: GPO for the Library of Congress, 1988.

Middle East Institute (MEI) (2016). Iraq's shrinking revenues, the IMF and the oil dilemma. Middle East Institute, Sept 19.

Milton-Edwards, B (2003). Iraq, past present and future: a thoroughly modern mandate? History & Policy, May 8.

_____.Mundi (2017). Iraq irrigated land. Index Mundi.
http://www.indexmundi.com/iraq/irrigated_land.html

_____.Mufti H (2004). Claims in Conflict: Reversing Ethnic Cleansing in Northern Iraq. Human Rights Watch.

National, The (2011). Iraq looks to triple its palm trees in revival of date farming. The National, Sept 21.
<https://www.thenational.ae/world/mena/iraq-looks-to-triple-its-palm-trees-in-revival-of-date-farming-1.395160>

Protection Cluster Iraq (PCI) (2016a). Emergency response to housing land and property issues in Iraq. Protection Cluster Iraq Briefing Note, December, Geneva.

Protection Cluster Iraq (PCI) (2016b). Strategy of the Iraq housing land and property rights (HLP) sub-cluster. Global Protection Cluster, Geneva.

Republic of Iraq (RoI) (2013). The National Environmental Strategy and Action Plan for Iraq (2013-2017). Republic of Iraq, Baghdad.

Republic of Iraq (RoI) (2017). Iraq Investment Map 2017. Republic of Iraq, National Investment Commission.

Resolution No 150 of 12 October 1997 concerning the sale of plots of land for housing owned by the State to farmers.

Resolution relative to corporeal compensation for appropriated real estates and amortization of the right of disposal of vacant agricultural reform lands No 90 of 1996.

_____.Resolution to prevent alienating of estate property of Iraqi citizens who left Iraq, No. 21 of 1996.

Resolution concerning the alienation of real property within the boundaries of the Master Plan of Baghdad, No. 157 of 1994.

_____.Resolution No. 333 promulgates Law No. 42 of 1987.

_____.Resolution No 176 of 1993 promulgating Law No 18 of 1993.

- _____.Resolution concerning agricultural land. Unofficial title, No. 211 of 1991.
- _____.RTI (2005). Land Registration and Property Rights in Iraq. RTI International.
- Sait S and Lim H (2006). Land, Law and Islam: Property and Human Rights in the Developing Word. UN Habitat and Zed Books, New York.
- Schnepf R (2003). Iraq’s agriculture: background and status. CRS Report for Congress - The Library of Congress, Washington DC.
- _____.Shawky A (2008). Iraq water country assistance strategy. World Bank, Washington DC.
- _____.Siddiqui F (2013). The coalition provisional authority and Iraq: investment and policy in action.
- Stigall D (2009). Refugees and Legal Reform in Iraq: The Iraqi Civil Code, International Standards for the Treatment of Displaced Persons, and the Art of Attainable Solutions. USIP on Housing, Land and Property Rights in Iraq, Amman.
- Stigall D (2008). A closer look at Iraqi property and tort law. Louisiana Law Review 68:3, 765-822.
- Stigall (2004)/ From Baton Rouge to Baghdad: A comparative overview of the Iraqi Civil Code. Louisiana Law Review 65:1, 130-156.
- _____.Strong C (2016). Iraq: The Oil and Gas Law Review - Edition 4. The Law Reviews, December. <http://thelawreviews.co.uk/edition/the-oil-and-gas-law-review-edition-4/1140332/iraq>
- _____.Taib M (2011). 2011 Minerals Yearbook: Iraq. USGS.
- _____.Trading Economics (2017). Iraq GDP annual growth rate. Trading Economics <https://tradingeconomics.com/iraq/gdp-growth-annual>
- Unruh, J (2016a). Structuring land restitution remedies for peace and stability in fragile states. CAB Reviews 2016 11, No. 033.
- Unruh, JD (2016b). Mass Claims in Land and Property Following the Arab Spring: Lessons from Yemen. Stability: International Journal of Security & Development, 5(1): 6, pp. 1–19, DOI: <https://www.stabilityjournal.org/articles/10.5334/sta.444/>
- Unruh JD (2009). Humanitarian approaches to conflict and post-conflict legal pluralism in land tenure. In: Pantuliano S (ed). Uncharted territory Land, conflict and humanitarian action. Practical Action Publishers, Warwickshire, UK.
- Unruh J., Frank, E & Pritchard, M (2017). A Digital Advance for Housing, Land and Property Restitution in War-Affected States: Leveraging Smart Migration. Stability: International Journal of Security and Development. 6(1), p.15.
- UNHCR (2017). Iraq displacement. http://reporting.unhcr.org/node/2547#_ga=2.74002066.1847831292.1505761546-907952754.1492093717

- UNESCO (2014). Ministry of Water Resources Iraq. UNESCO and the DELFT Institute for Water Education, the Netherlands.
- UNDP-UNESCO (2014). Water resources decision support system for the Ministry of Water Resources of Republic of Iraq. UNDP-UNESCO.
- UNDP (2017). About Iraq. UN Development Programme.
<http://www.iq.undp.org/content/iraq/en/home/countryinfo.html>
- World Bank (2006). Iraq: Country water resources assistance strategy: addressing major threats to people's livelihoods. Report No. 36297-IQ, World Bank.
- World Bank (2012a). Country partnership strategy for the Republic of Iraq for the period FY13-FY16. Washington DC.
- World Bank (2012b). Iraq investment climate assessment 2012. World Bank, Washington DC.
- Wiss M and Anderson M (2009). The unique forms and rights of Iraqi real property law: a primer for those interested in transacting business in Iraq. International Bar Association
- _____. Ycharts (2017). Iraq crude oil production.
https://ycharts.com/indicators/iraq_crude_oil_production