



Kurdistan Regional Government

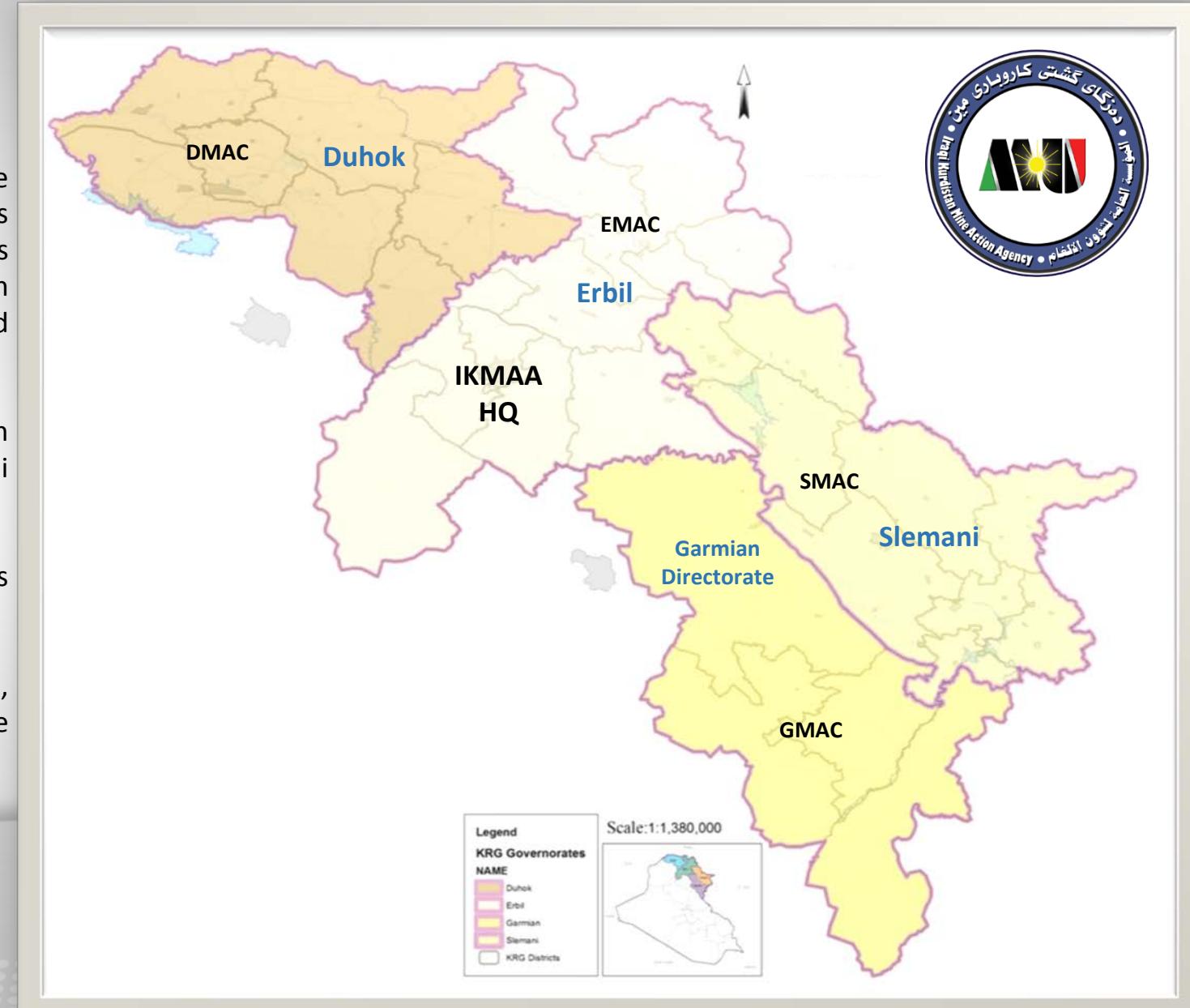
Iraqi Kurdistan Mine Action Agency
IKMAA



IKMAA response for displacements and returnees

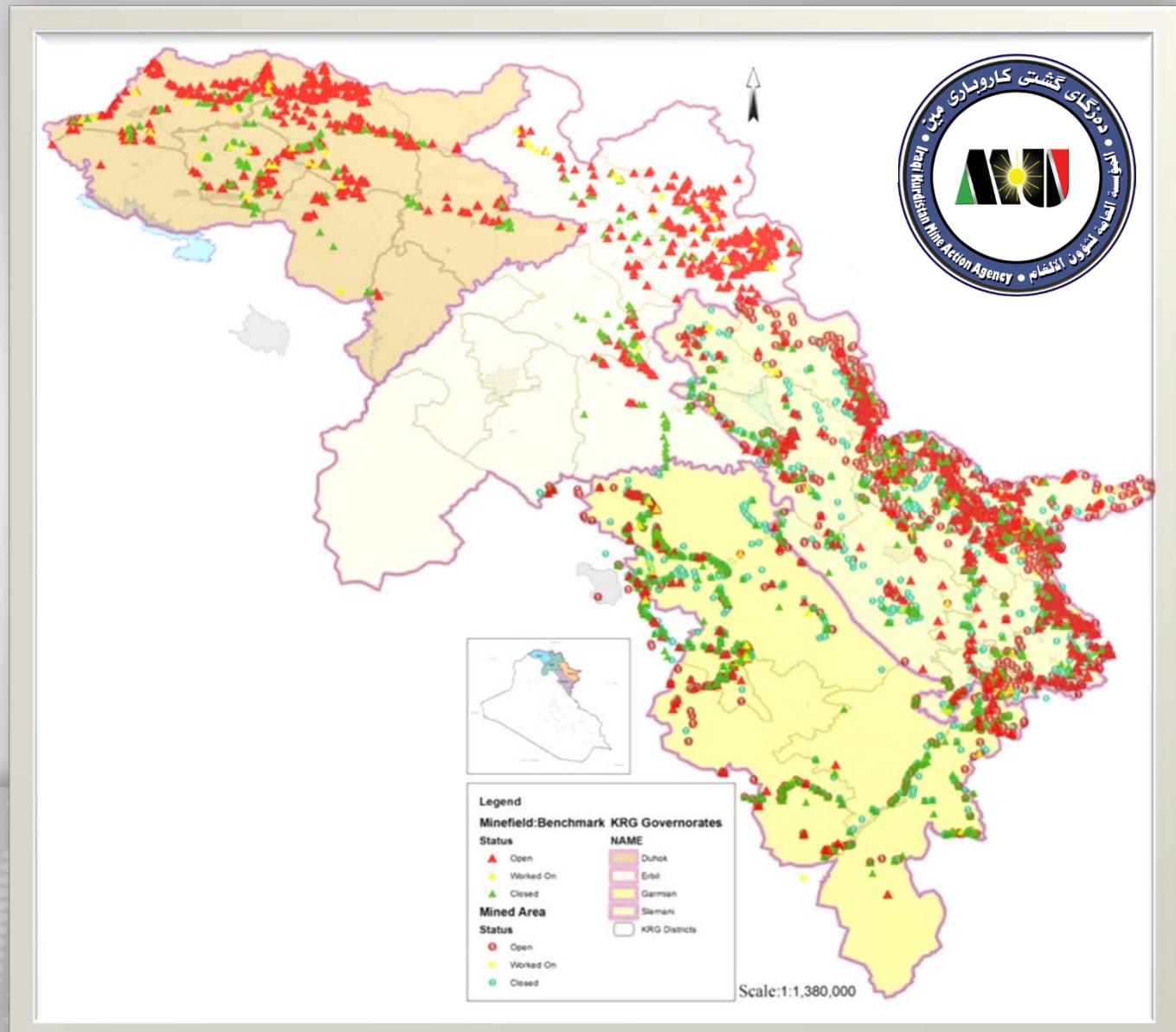
IKMAA Structure

- Iraqi Kurdistan Mine Action Agency (IKMAA) is one of the agencies of Kurdistan Regional Government. Its main duty is to plan, direct, implement and monitor Mine Action process to eliminate the impact of Landmine/ERW in Iraqi Kurdistan within the main governorates of Erbil, Duhok, Slemani and Garmyan district.
- Kurdistan National Assembly approved Law No. (10) in 2007, by law IKMAA is leading Mine Action process in Iraqi Kurdistan.
- The Structure of IKMAA consists of HQ and 4 Directorates General in the three governorates and Garmyan district.
- IKMAA is responsible for implementing KRG strategic vision, centralizing plan and Information Management for Mine Action Process.



Historical landmine problem and achievements

- Most of minefields planted during the Iraq-Iran war 1980-1988.
- Some planted in 1991 during the first Gulf war and during 2003 invasion of Iraq (Operation Iraqi Freedom).
- Estimated number of Landmines (AP and AT) are 7,000,000 in Iraqi Kurdistan alone.
- Most of minefields are located along the boarder with Turkey and Iran.
- New area has been contaminated by ISIL operation.
- From the total contamination area of 776 Km2 which was reported by ILIS (Iraqi Landmine Impact Survey) in 2006, it has been reduced to less than 320 Km2.
- Around 470 Km2 has been cleared or/and released.



Implementation of Mine Action



KRG allocates budget to conduct Mine Action Process.
We believe it should be on Iraqi Federation Budget.

The Republic of Iraq should support Mine action by
both budget and logistics.

Mine action process implementation

- Direct implementation, through Directorate General of Mine Action in Erbil, Slemani, Duhok and Garmyan (EMAC, SMAC, DMAC, GMAC).
- Indirect implementation, through tendering process to national and International companies.
- Other Humanitarian Organizations.

Other National and International companies / Organizations



- **HANDICAP (International, MRE)**
- **MAG (International)**
- **MineTech (International)**
- **Sterling (International)**
- **RPS (International)**
- **DDG org**
- **FSD org**
- **iMMAP (International, Information Management)**
- **Bustan (Org, MRE)**
- **Valmara**
- **MIR Deming (Org)**

- **Khabat Zangana**
- **Shanica**
- **Davara Pak**
- **Aaas**
- **Chalaw**
- **Ararat**
- **General Safety**
- **Sardal**
- **Chami Rezan**

- Annual Plan for organizations approved by IKMAA
- Clearance/Sampling Tasks issued by IKMAA
- Companies working on Tendering process
- QA performed by Directorate of QA and Accreditation in IKMAA and QA monitors of SMAC, DMAC, EMAC, GMAC





CURRENT LANDMINE/ERW CONTAMINATION IN IRAQI KURDISTAN - OVERVIEW



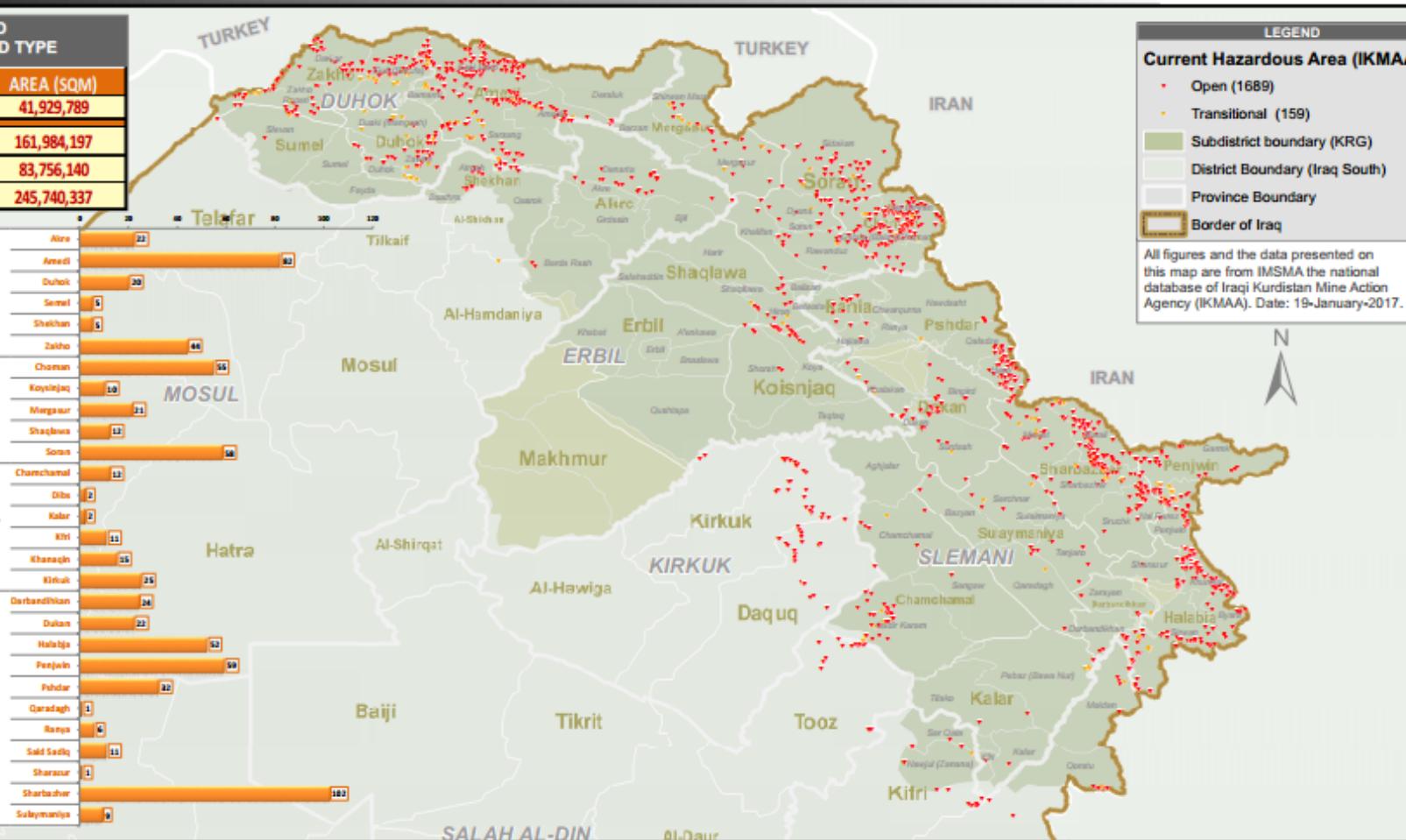
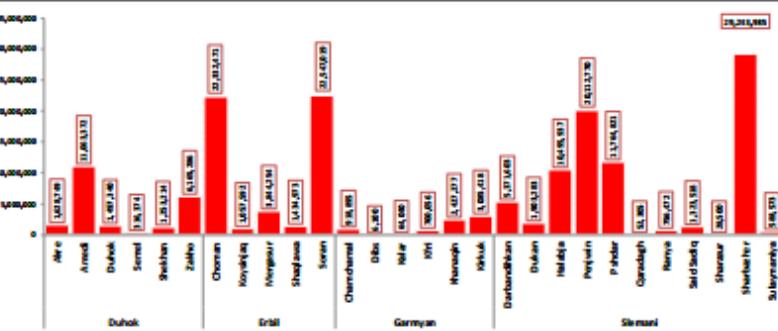
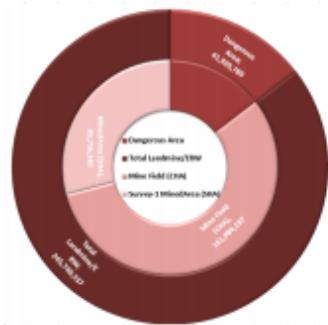
TOTAL OPEN HAZARDS AND CONTAMINATED AREA BY HAZARD TYPE

HAZAD TYPE	HAZADS	AREA (SQM)
Dangerous Area	321	41,929,789
Mine Field (CHA)	2,787	161,984,197
Survey-1 MinedArea (SHA)	530	83,756,140
Total Landmine/ERW	3,317	245,740,337

TOTAL AFFECTED COMMUNITIES BY DISTRICT (CHA)

TOTAL: 720

Prov.	District	Communities
Duhok	Akre	22
	Amedi	82
	Duhok	20
	Semel	5
	Shekhan	5
	Zakho	44
	Choman	55
	Koysinjrq	10
	Mergasur	21
	Shaglawra	12
Erbil	Soran	58
	Chamchamal	12
	Dibs	2
	Kalar	2
	Kifri	11
	Khanaqin	15
	Kirkuk	25
	Darbandikan	24
	Dukan	22
	Halabja	52
Garmian	Penjwin	59
	Pshdar	32
	Qaradagh	1
	Ranya	6
	Said Sadiq	11
	Sharazur	1
	Sharbazher	102
	Sulaymaniya	9
	Sukkur	1
	Talkef	1



All figures and the data presented on this map are from IMSMA the national database of Iraqi Kurdistan Mine Action Agency (IKMAA). Date: 19-January-2017.

IDPs and returnees in KRI

Number of IDPs in all Iraq : **3,028,854**

Hosted IDPS in KRI : **1,269,144**

Province	Number of families	No of individuals
Dahuk	66,056	396,336
Erbil	57,934	347,604
Kirkuk	62,058	372,348
Slemani	25,526	153,156
Total	211,574	1,269,444

Number of returnees : **1,455,348**

Source of data: International Organization for Migration - Iraq Mission (IOM) from Displacement Tracking Matrix (DTM), Jan 19 2017



Areas re-taken and liberated from ISIL – Gray Area

The Gray Area A memorandum of understanding (MoU) was signed between the IKMAA, DMA and iMMAP on September 14th 2015, to assist with coordinating HMA activities in areas that have been recently retaken from armed groups. These newly liberated areas, so called Gray areas, fall under the shared HMA responsibility.

The MoU authorized iMMAP to setup the Joint Operations Room (JOR) in Erbil. The JOR provides centralized planning, operations coordination and information management support directly to HMA organizations working in the Gray area, filling information gaps and enhance the HMA response.

2015



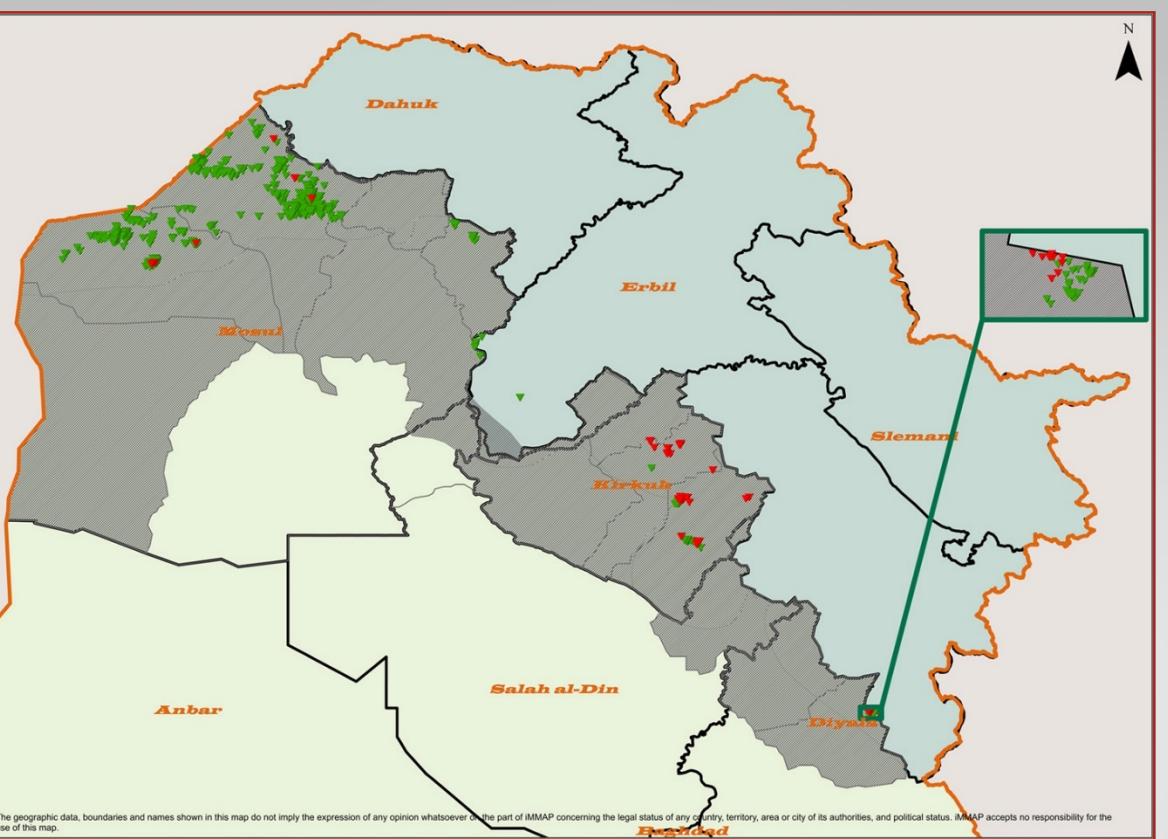
2016



2017



List of current recorded hazard by organization per District			
Province	District	Number of recorded Hazard	Calculated contaminated area size (Sqm)
Kirkuk	Daquq	36	3,402,819
	Kirkuk	32	794,267
Total		68	4,197,086
Diyala	Khanaqin	9	0
Total		9	0
Ninewa	Sinjar	6	136,357
Telafer		5	402
		11	136,759
Total		88	4,333,845



List of recorded hazardous area by status per District				
Province	District	Status	Number of recorded hazard report	Calculated contaminated area size (Sqm)
Kirkuk	Daquq	Expired	36	481,295
		Active	36	3,402,819
	Hawija	Expired	1	0
	Kirkuk	Active	32	794,267
Total			105	4,678,381
Diyala	Khanaqin	Active	9	0
		Expired	40	0
Total			49	0
Ninewa	Al-Hamdaniya	Expired	1	0
	Mosul	Expired	24	241,589
	Sinjar	Expired	172	744,500
		Active	6	136,357
Telafer	Active	5	402	402
		Expired	503	1,581,759
	Total		711	2,704,607
	Grand Total		865	7,382,987

Total recorded NTS report by organization per District				
Province	District	Organization	Number of recorded NTS reports	Calculated area size (sqm)
Kirkuk	Daquq	FSD	10	8,137,529
		HI	48	4,273,487
	Kirkuk	HI	30	891,226
Total		88	13,302,242	

Number of destroyed devices by organization per District

Province	District	Organization	IED	UXO
Kirkuk	Daquq	FSD	874	34
		IKMAA	10	88
Total			884	122
Diyala	Khanaqin	MAG	2	31
		Total		2
Ninewa	Al-Hamdaniya	MAG	579	1
				16
				731
	Mosul	MAG	2,431	198
				380
	Telafer	FSD	841	
Makhmur	Sinjar	IKMAA	1	2
				3,742
				1,438
	Telafer	MAG	2,431	380
				841
	Tilkaif	FSD	1	2
Total			4,628	1,591
Grand Total			4,628	1,591

Clearance operation in Gray Area by organization per District				
Province	District	Organization	Number of recorded completion report	Reported cleared area size (Sqm)
Kirkuk	Daquq	FSD	36	391,288
		IKMAA	1	85,000
Total			37	476,288
Diyala	Khanaqin	MAG	31	9,900
		Total		31
Ninewa	Al-Hamdaniya	MAG	1	200
				24
				169
	Mosul	MAG	501	261,888
				762,741
	Telafer	FSD	6	1,790,825
Makhmur	Sinjar	IKMAA	1	18,278
				1
				15,000
	Telafer	MAG	702	2,848,932
				770
	Tilkaif	FSD	1	3,335,120
Total			702	3,335,120
Grand Total			770	3,335,120

Camps and IDPs locations



Hosted IDPS in KRI : 1,269,144

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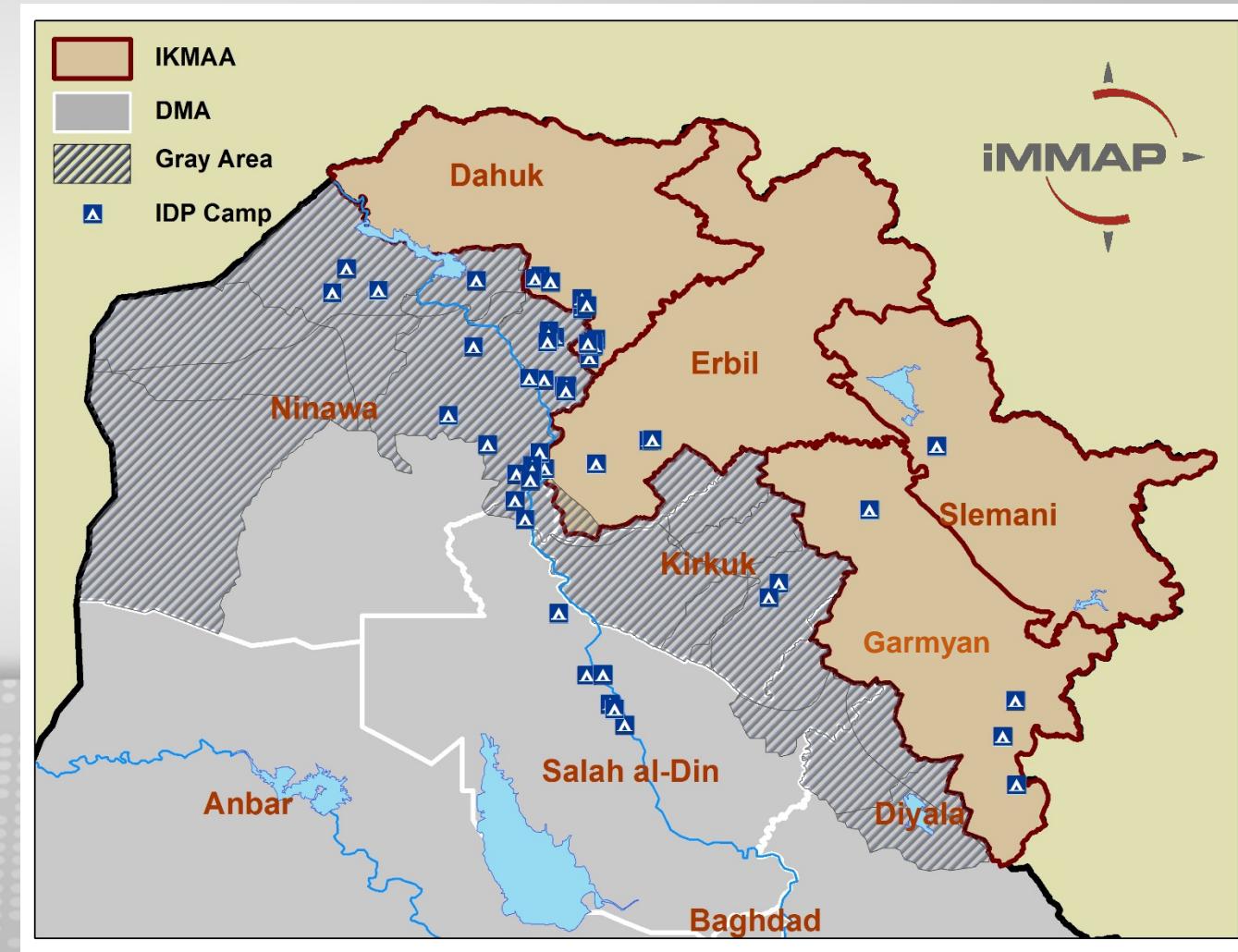
Camp location Assessment in KRI and Gray area

MRE activities by implementing partners after camp land by IKMAA

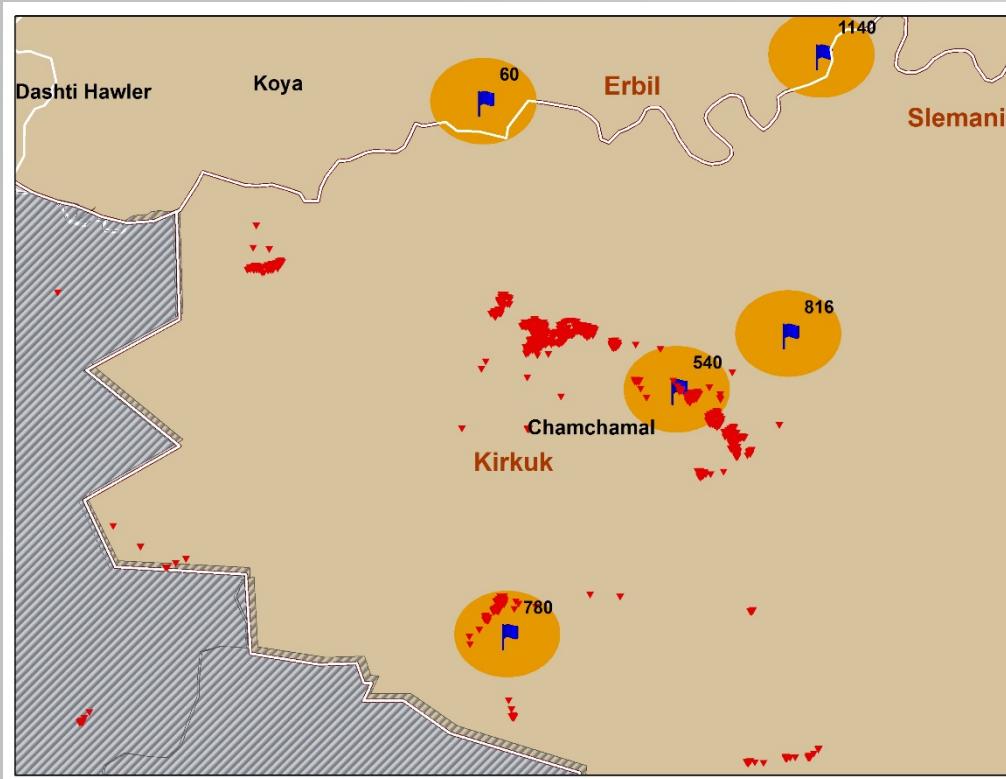
Province	MRE delivered by	Number of beneficiaries
Erbil	DDG	19,244
Erbil	DDG + IKMAA+ SoS	381
Erbil	DDG + SoS	30,526
Erbil	DDG+IKMAA	14,569
Erbil	MAG	29,687
Erbil	MAG + SoS	3,021
Erbil	SoS	99
Garmyan	MAG + HI+SoS	410
Garmyan	MAG + SoS	830
Garmyan	SoS	621
Kirkuk	SoS	87
Slimani	SoS	115
Total		99,590



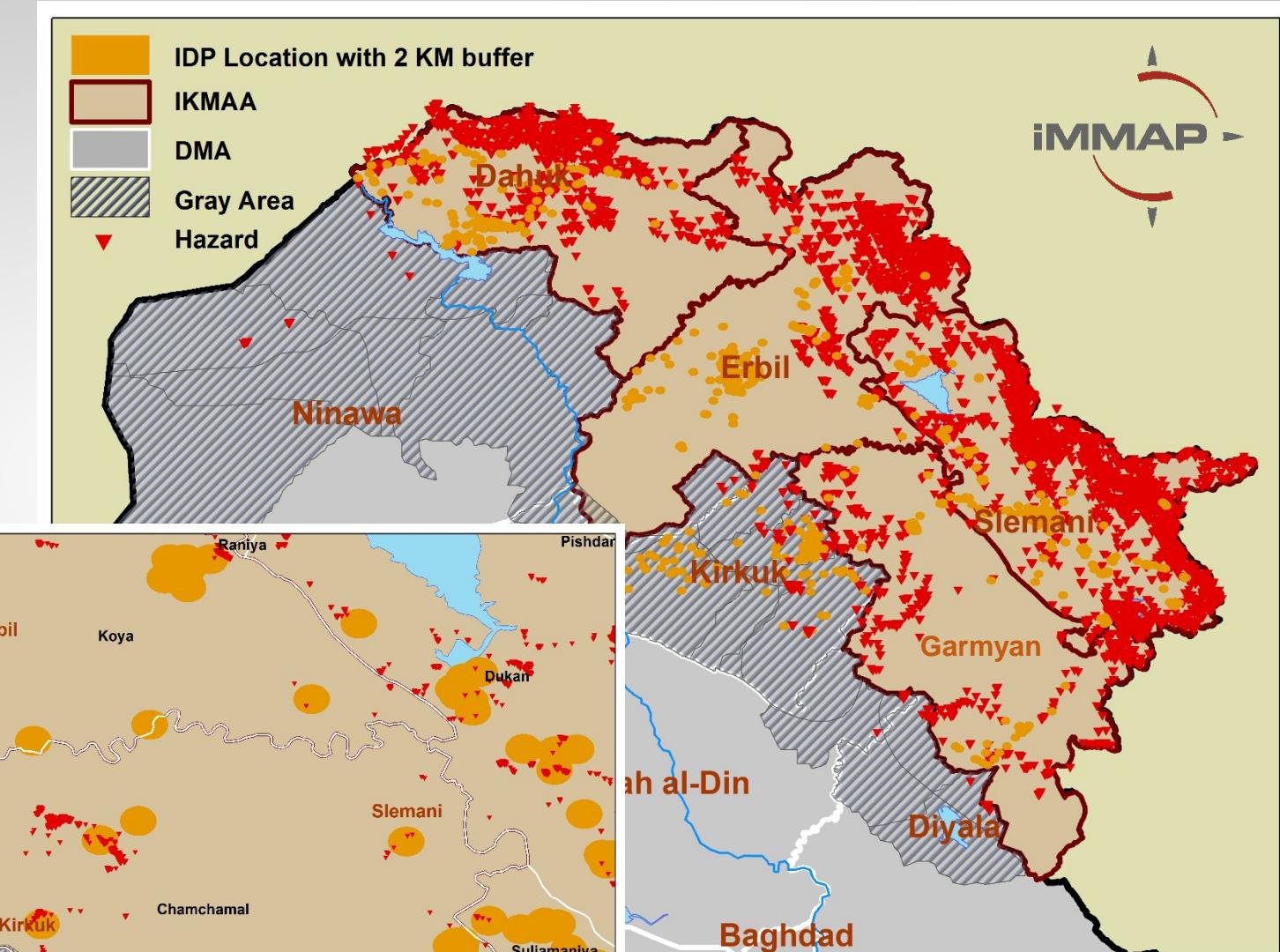
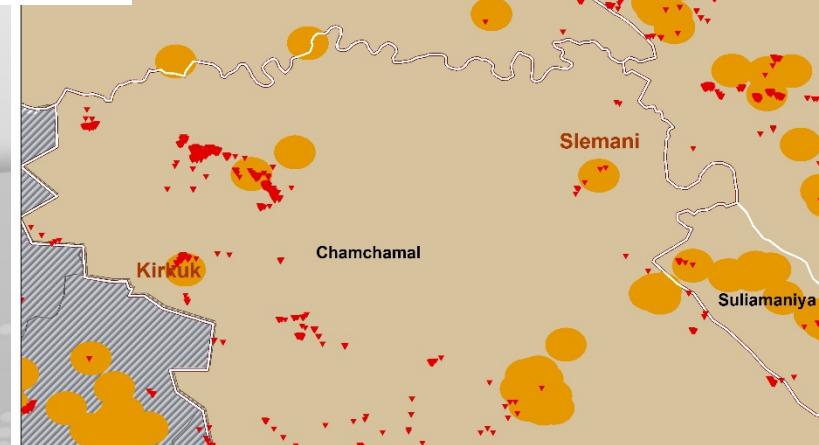
All camps are located inside KRI and Gray area. IKMAA conducted an assessment to make sure the land is not contaminated with landmine and ERW.



IDPs locations assessment comparing to the current contamination.



Contaminated legacy areas with Landmine, UXO and ERW devises impacted huge number of IDPs families. Above is a small example of more than 1000 families live in IDPs location near by camps with 2 KM

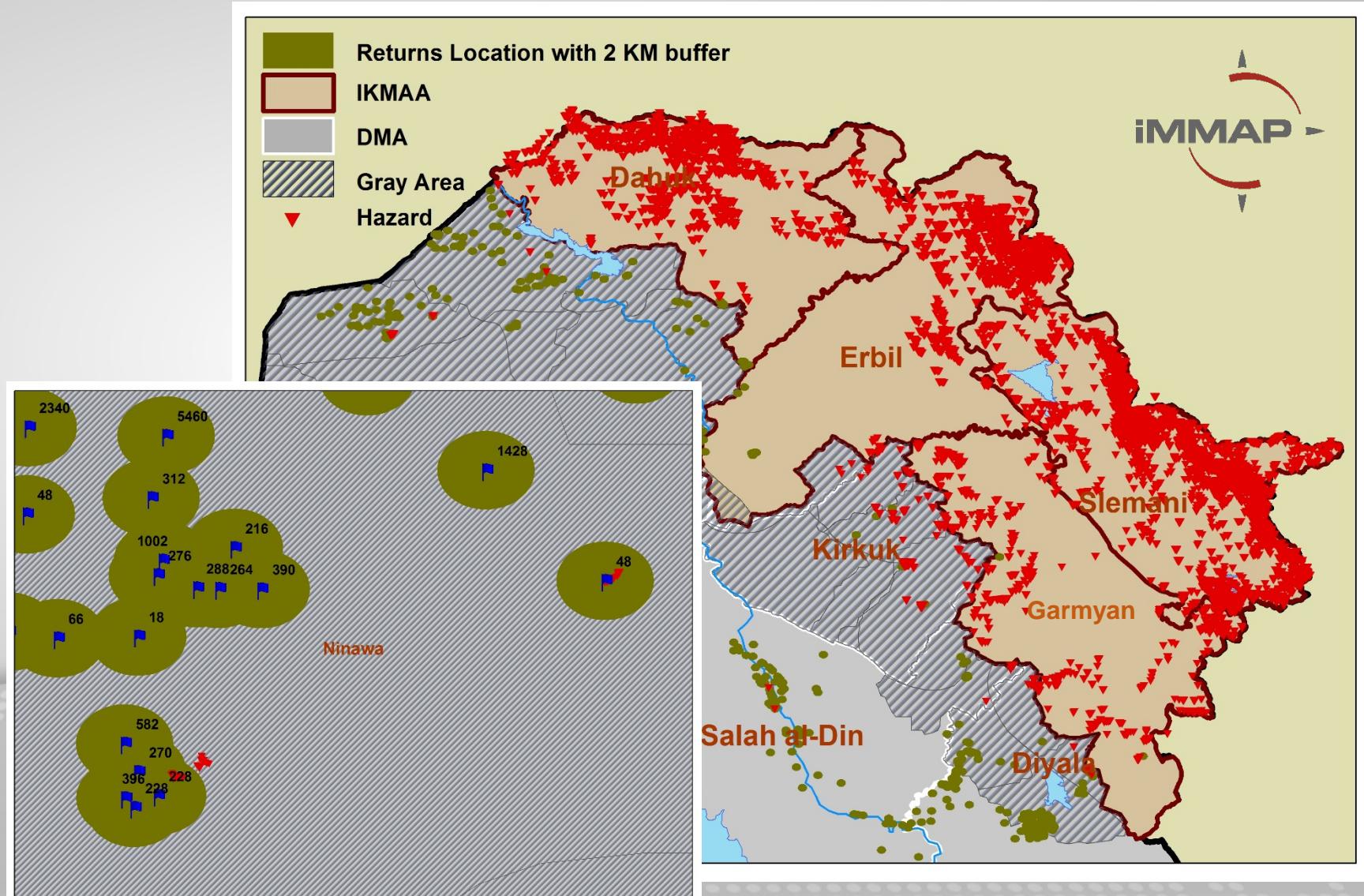


Number of returnees : 1,455,348

Returnees locations assessment comparing to the current contamination

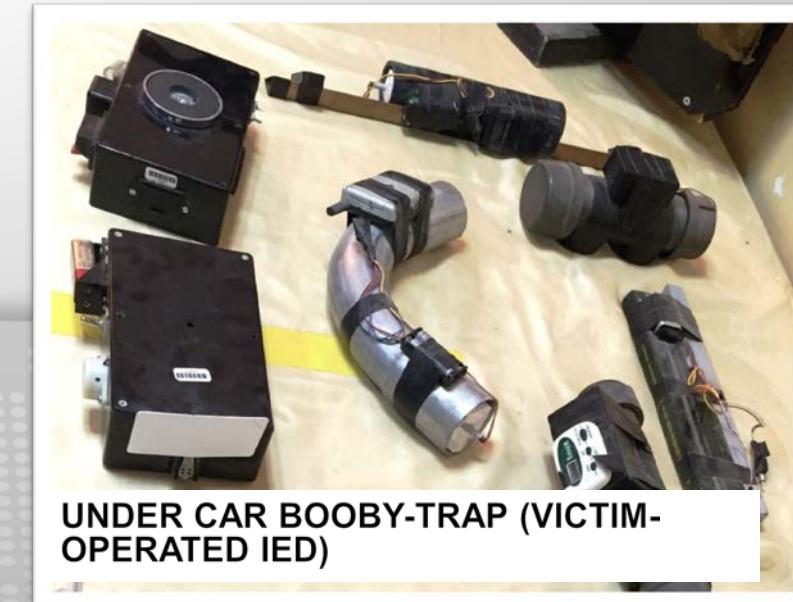
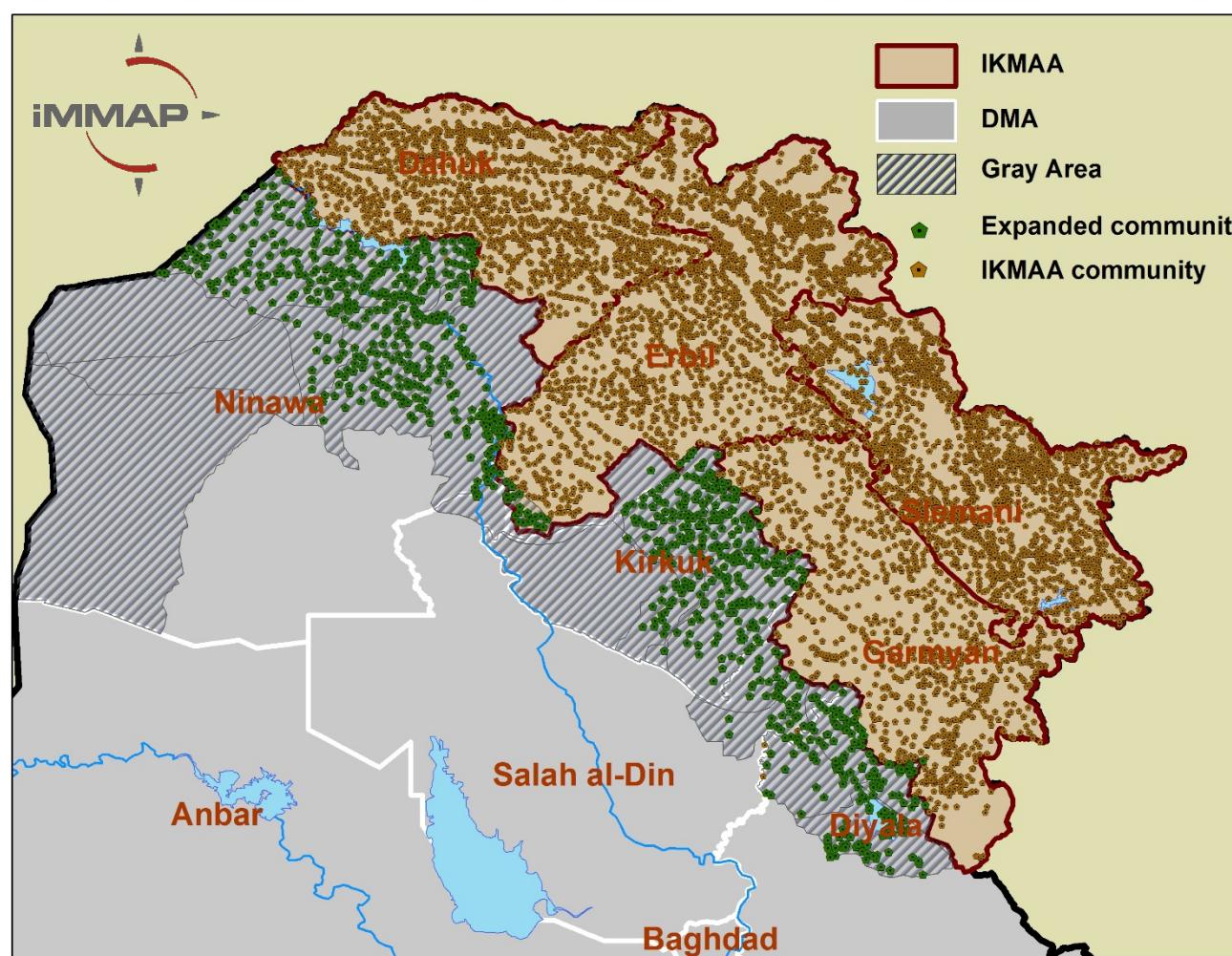
Contaminated areas with IED, UXO and ERW devices impacted huge number of returnees location as shown on the map.

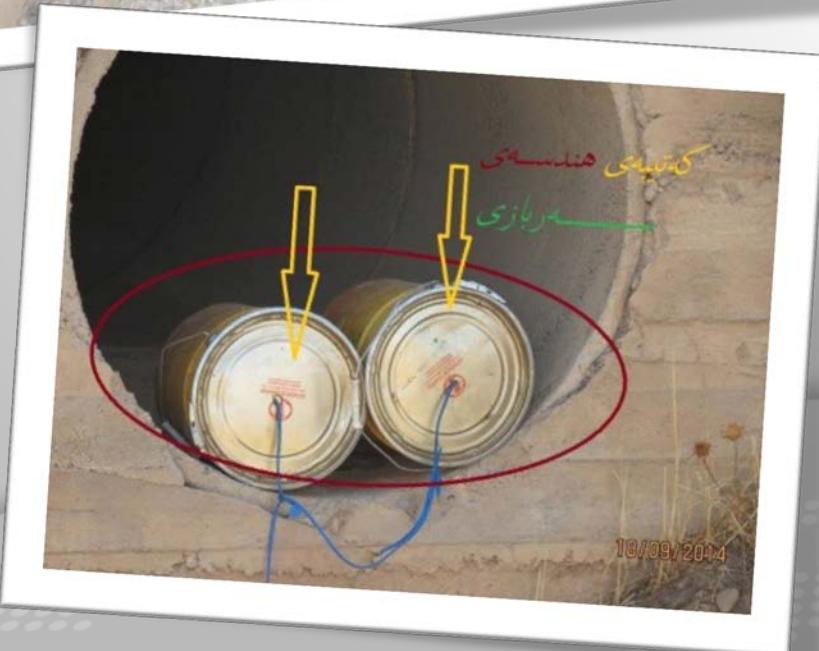
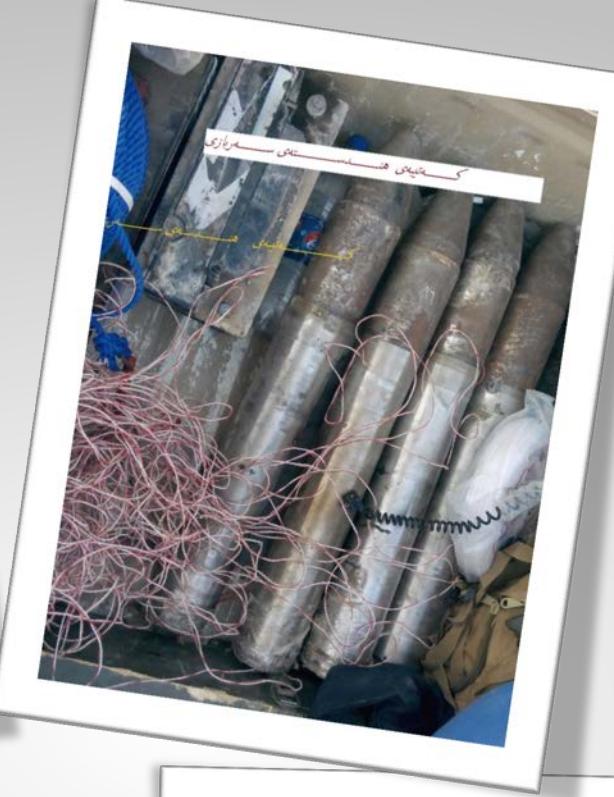
As an example for two returnees locations showing more than 500 returnee families were impacted by ERW and IED caused by ISIL.



IKMAA response for IDPs and Returnees

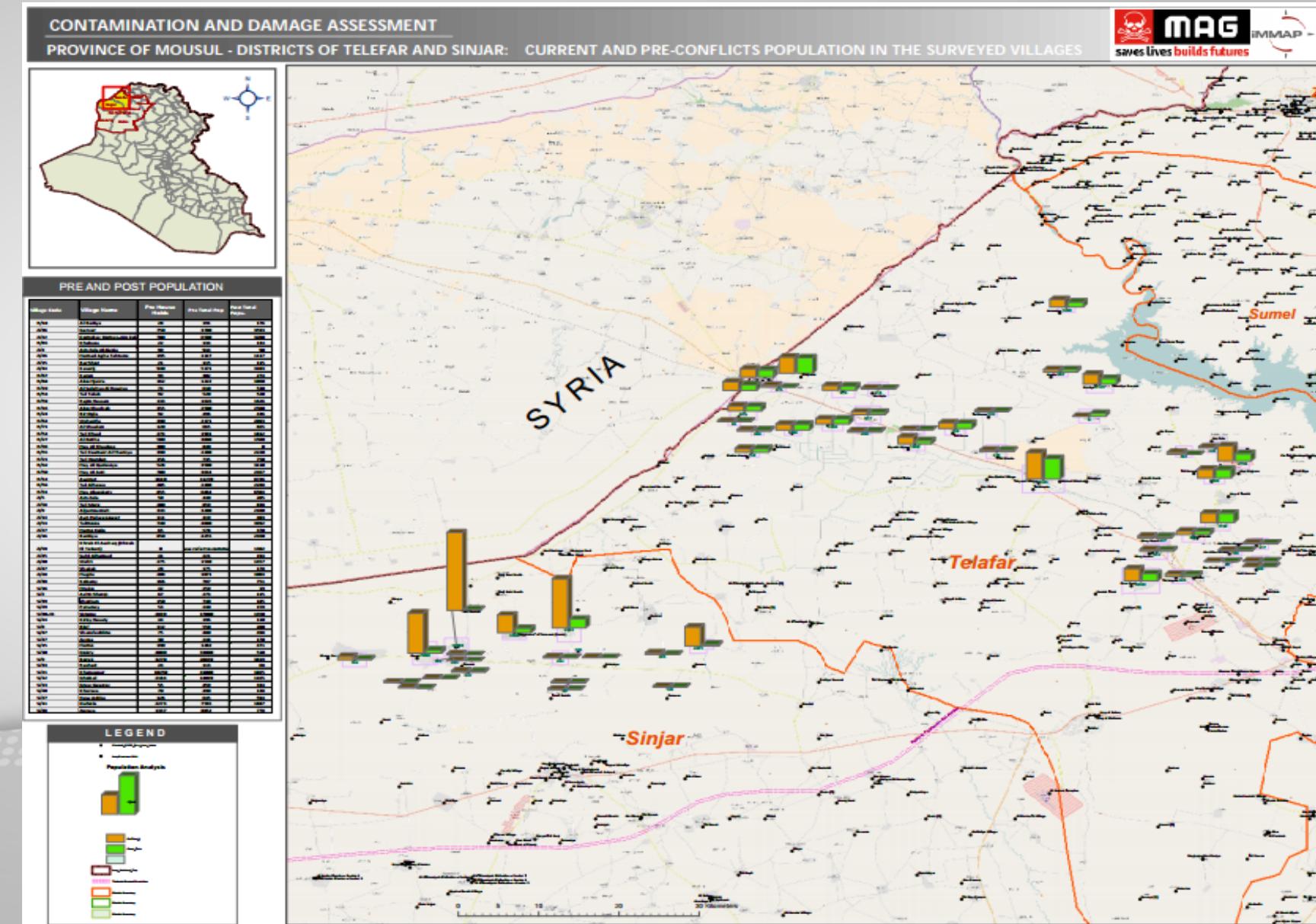
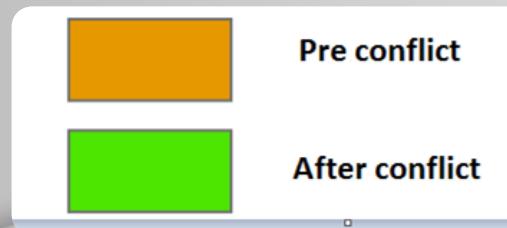
Expanding of IKMAA responsibility to cover more than 2000 communities located under the Gray Area.





NGOs response for IDPs and Returnees

Population analysis chart showing the difference of previous population before ISIL conflict and current returnees number.



NGOs response for IDPs and Returnees

Damage assessment survey for some areas nearby Telfair and Sinjar showing the level of damaged buildings as;

Residential



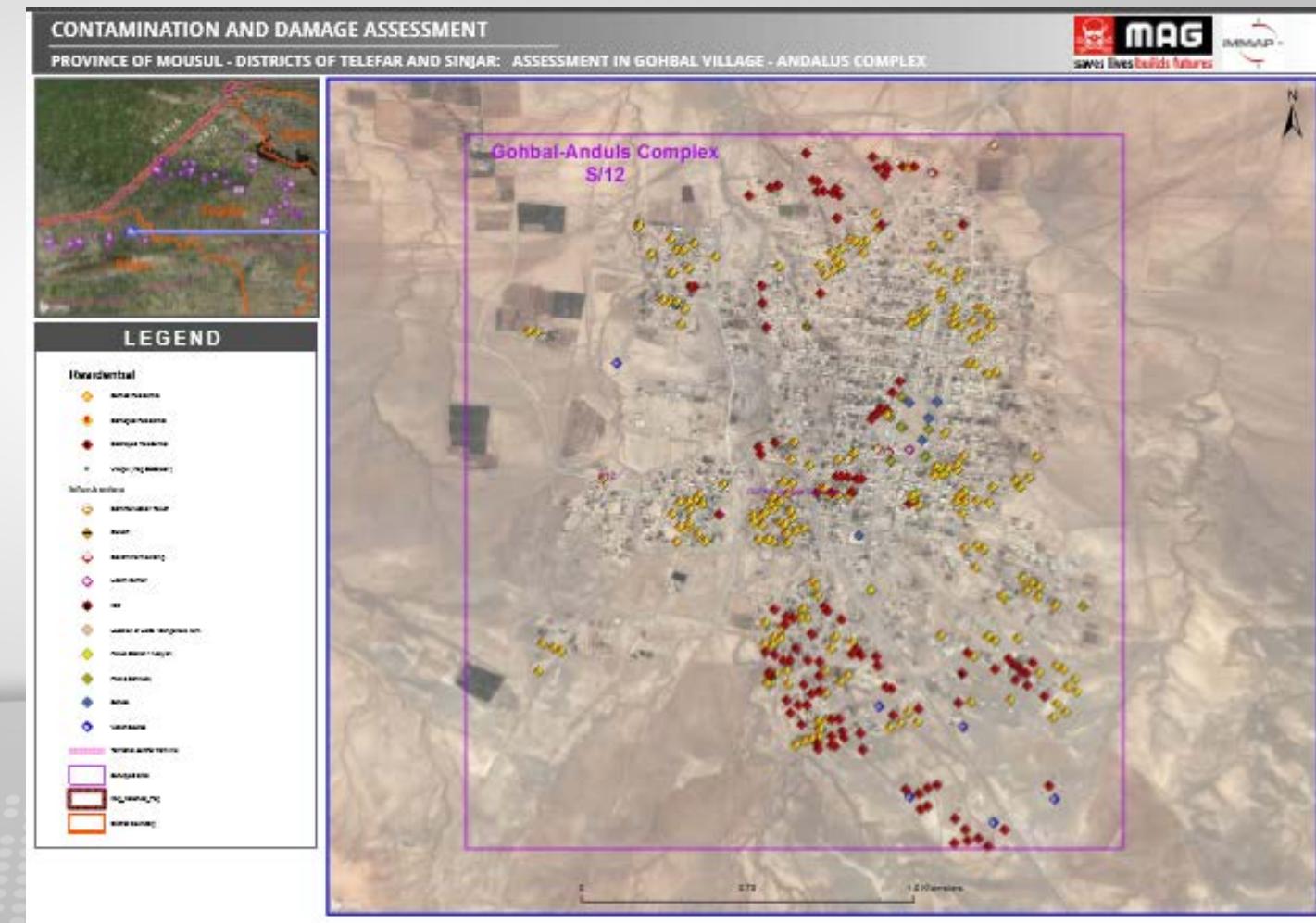
Burned Residential



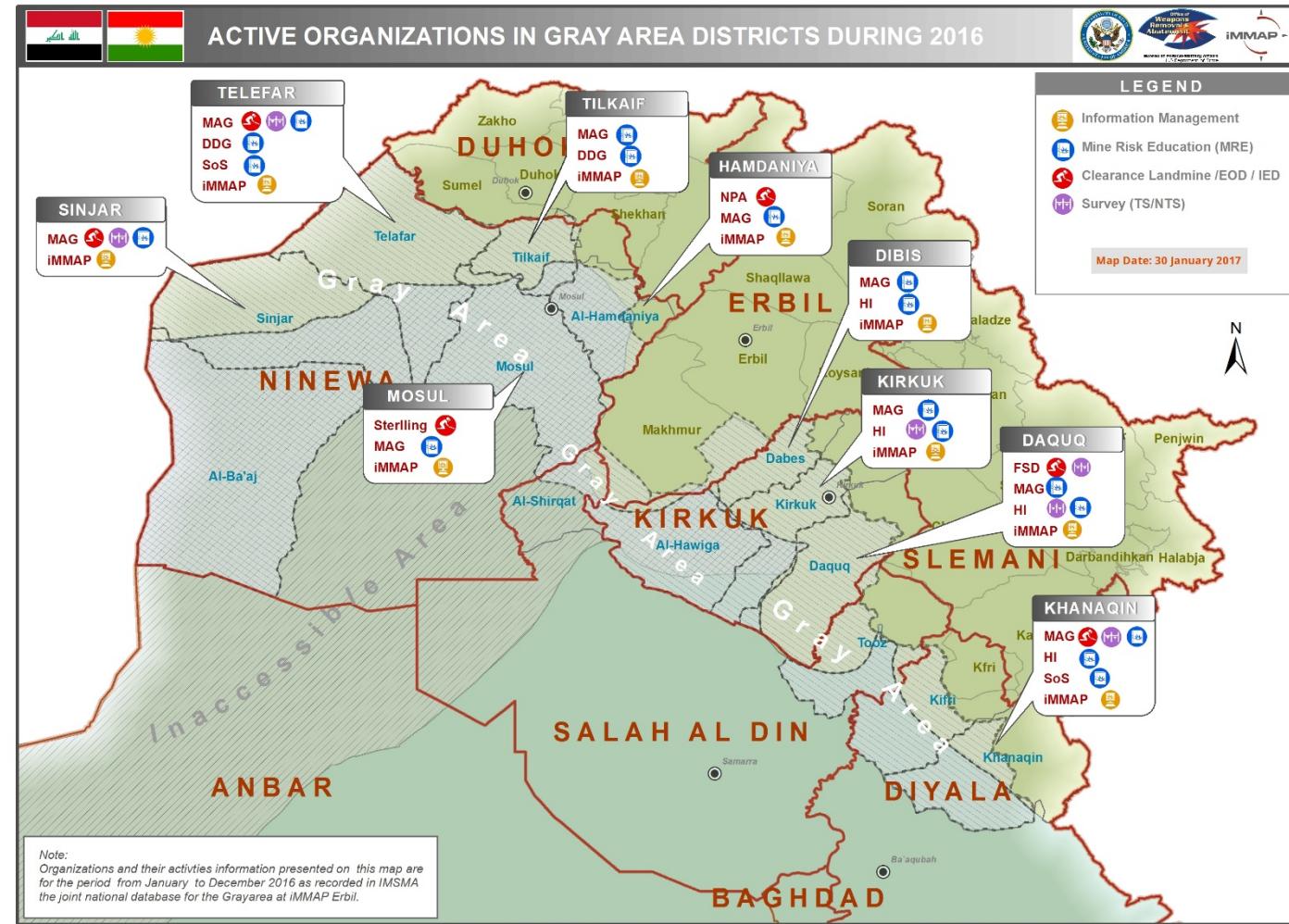
Damaged Residential



Destroyed Residential



NGOs response for IDPs and Returnees

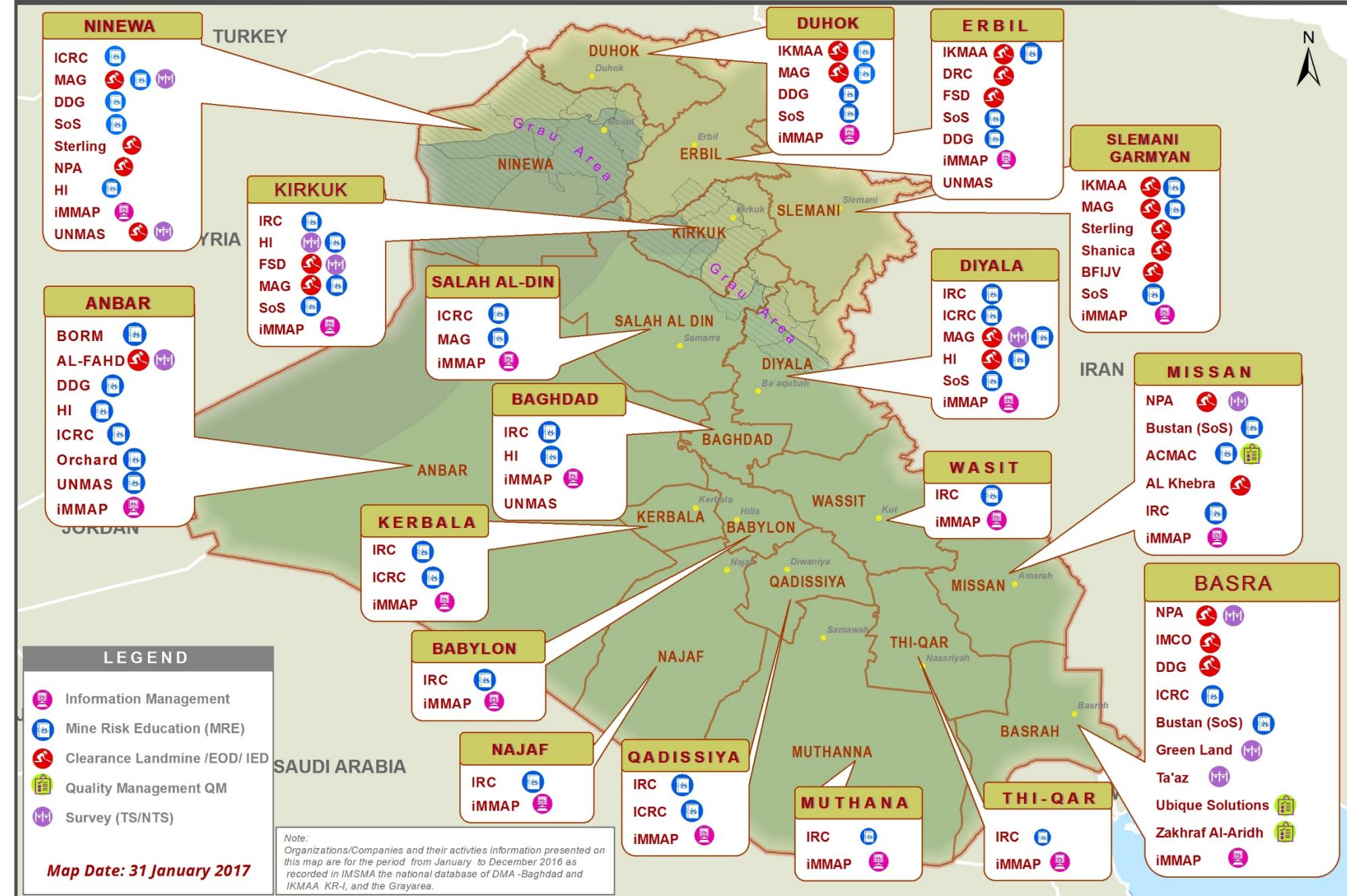


Organizations working in Gray Area during 2016

Org	Province	District	Activity
DDG	Ninawa	Telafar	MRE
		Tilkaif	
FSD	Kirkuk	Daquq	Survey and Clearance
		Daquq	Survey and MRE
		Kirkuk	
HI	Kirkuk	Dibis	MRE
		Daquq	Survey and MRE
		Kirkuk	
		Diyala	MRE
MAG	Ninawa	Khanaqin	MRE
		Telafar	Survey, Clearance and MRE
		Sinjar	Survey, Clearance and MRE
		Tilkaif	MRE
		Hamdaniya	MRE
MAG	Mosul	Mosul	MRE
		Diyala	Survey, Clearance and MRE
		Kirkuk	MRE
		Daquq	MRE
SoS	Kirkuk	Dibis	MRE
		Kirkuk	MRE
		Daquq	MRE
NPA	Ninawa	Telafar	MRE
		Khanaqin	MRE
Sterling	Ninawa	Hamdaniya	Clearance
		Mosul	Clearance



2016 IRAQ PORTFOLIO



IKMAA requirements and ongoing mine-action activity process

Current Activities by implementing NGOs

- Clearance
- Non-Technical survey (NTS)
- Mine risk education

Challenges

- Economic crisis.
- Ongoing threat especially with increasing of IED numbers comparing with Current capacity of defeat as there is no IMAS for IED.
- Few number of surveys comparing with the number of returnees and IDPs
- High demand from humanitarian actors to access IED contaminated areas.

Expected number of killed / Injured
2014-2016

Province	Number of Killed	Number of Injured
Al Anbar	22,722	4,688
Kirkuk	2,942	1,050
Nineveh	13,028	3,085
Saladin	16,503	5,755
Total	55,195	14,578

Estimated number of killed / Injured from IED 2014-2016

Province	Incident Type	Number of Killed	Number of Injured
Kirkuk	IED	178	433
Nineveh	IED	478	370
Salah al din	IED	1,648	2,227
Al Anbar	IED	1,472	736
Total		3,776	3,766

Thank you

