



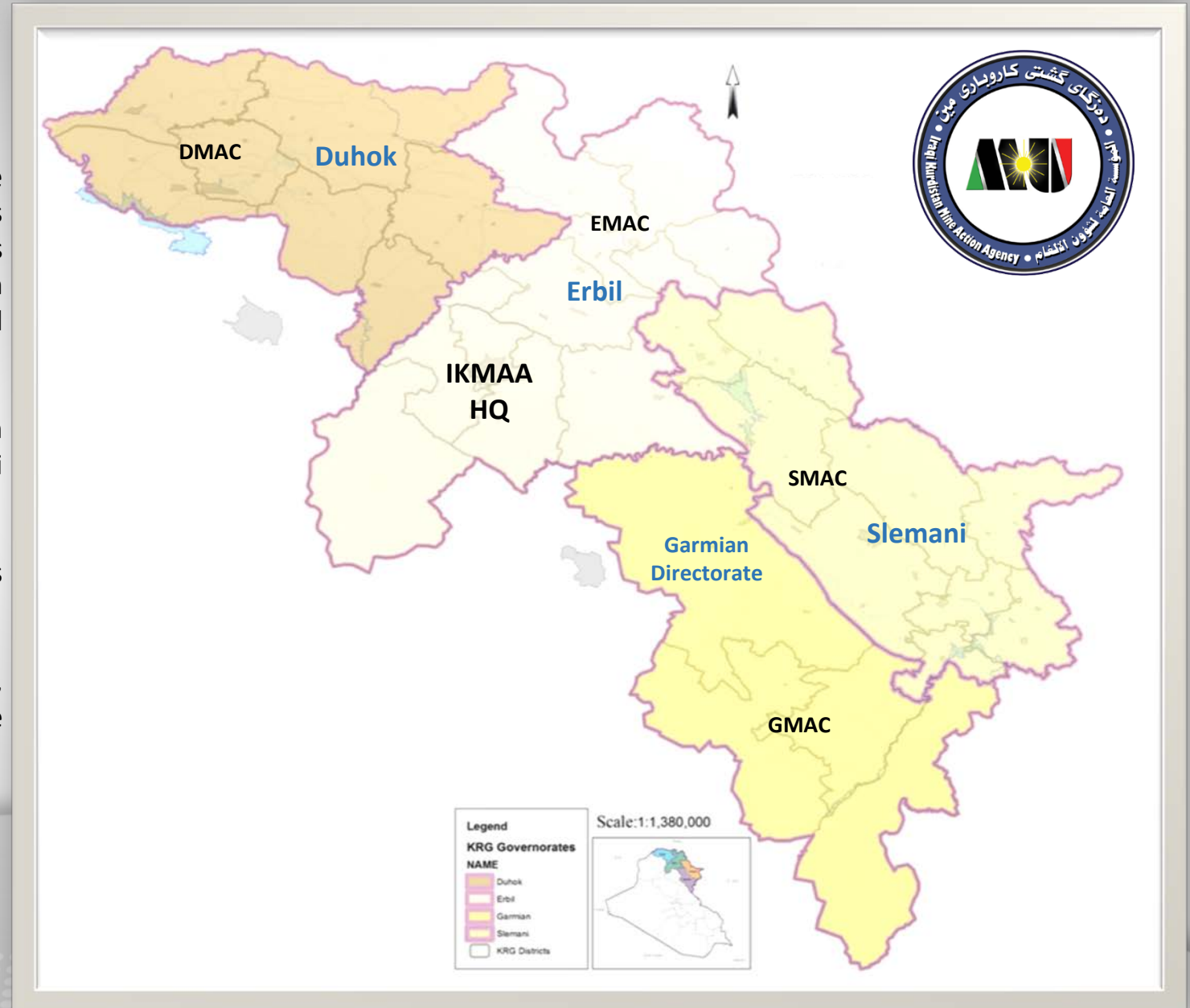
Kurdistan Regional Government

Iraqi Kurdistan Mine Action Agency
IKMAA

IKMAA response for displacements and returnees

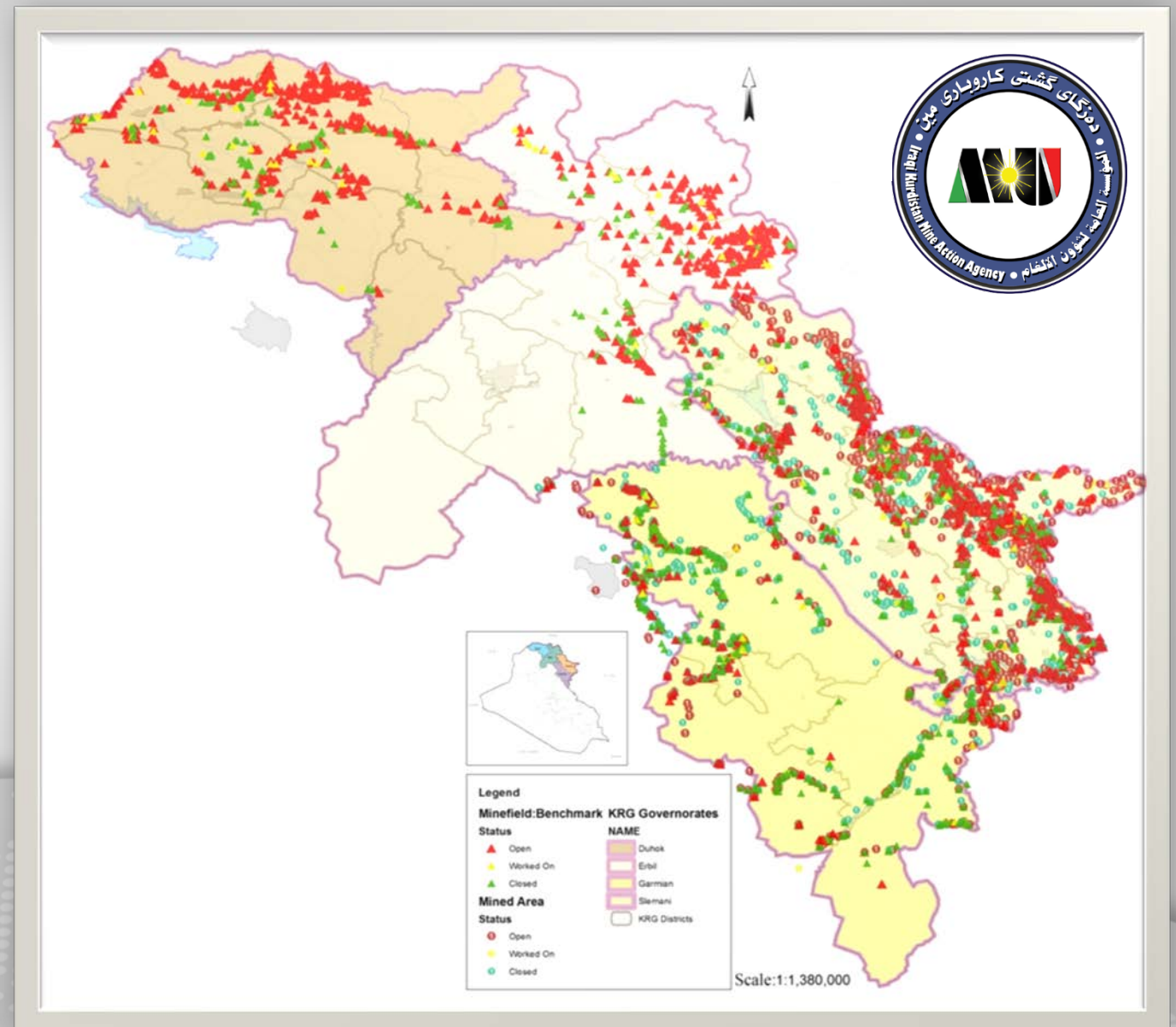
IKMAA Structure

- 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



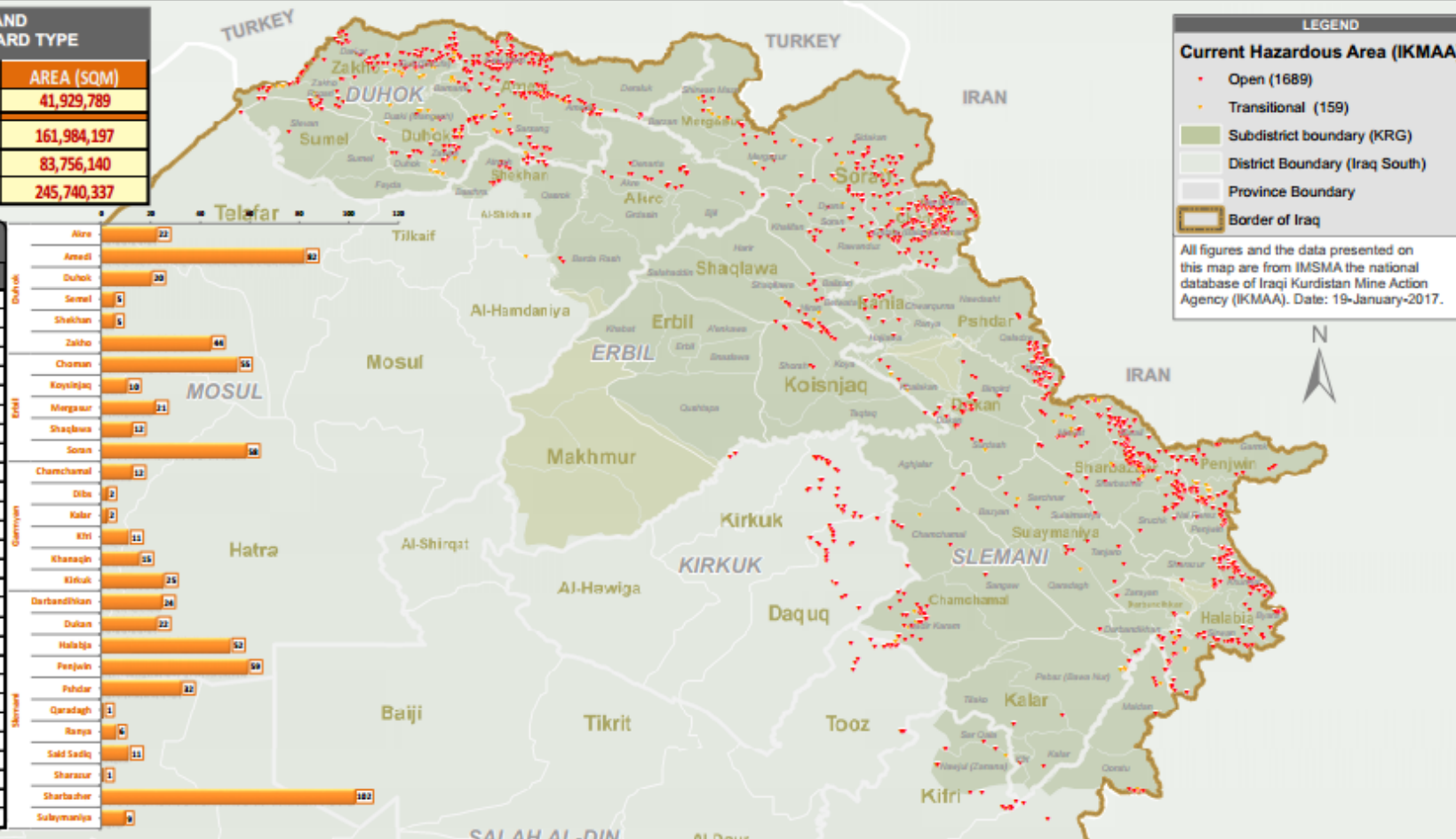


CURRENT LANDMINE/ERW CONTAMINATION IN IRAQI KURDISTAN - OVERALL



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

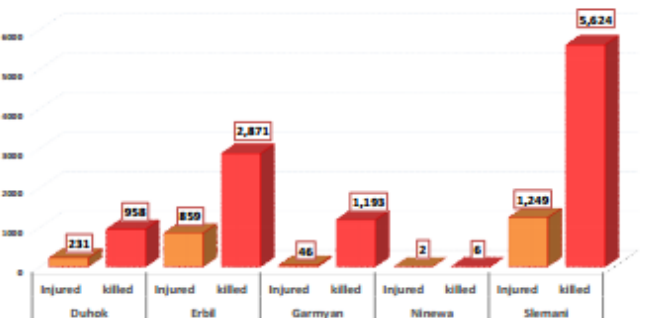
Prov.	District	Communities
TOTAL: 720		
Duhok	Akre	22
	Amedi	82
	Duhok	20
	Semel	5
	Shekhan	5
Erbil	Zakho	44
	Choman	55
	Koysinjak	10
	Mergasur	21
	Shaqlawe	12
Garmyan	Soran	58
	Chamchamal	12
	Dibs	2
	Kalar	2
	Kfiri	11
Sulaymaniyah	Khanaqlin	15
	Kirkuk	25
	Darbendihkan	24
	Dulan	22
	Halabja	52
	Penjwin	59
	Pshdar	32
	Qaradagh	1
	Ranya	6
	Said Sadig	11
Sulaymaniyah	Sharazur	1
	Sharbazher	102
	Sulaymaniya	9



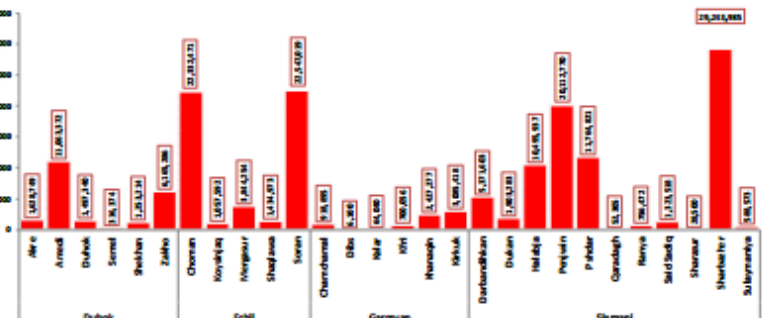
TOTAL LANDMINE/ERW CONTAMINATION AREA BY TYPE (SQM)



NUMBER OF LANDMINE/ERW VICTIMS PER PROVINCE Total: 13,039



LANDMINE CONTAMINATION AREA (CHA) BY DISTRICT (SQM) Total: 161,984,197



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**



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.

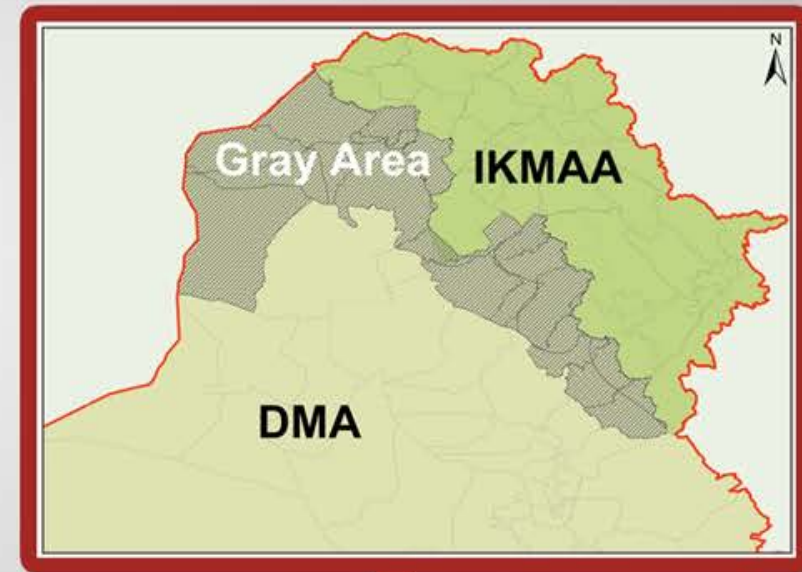
2015



2016



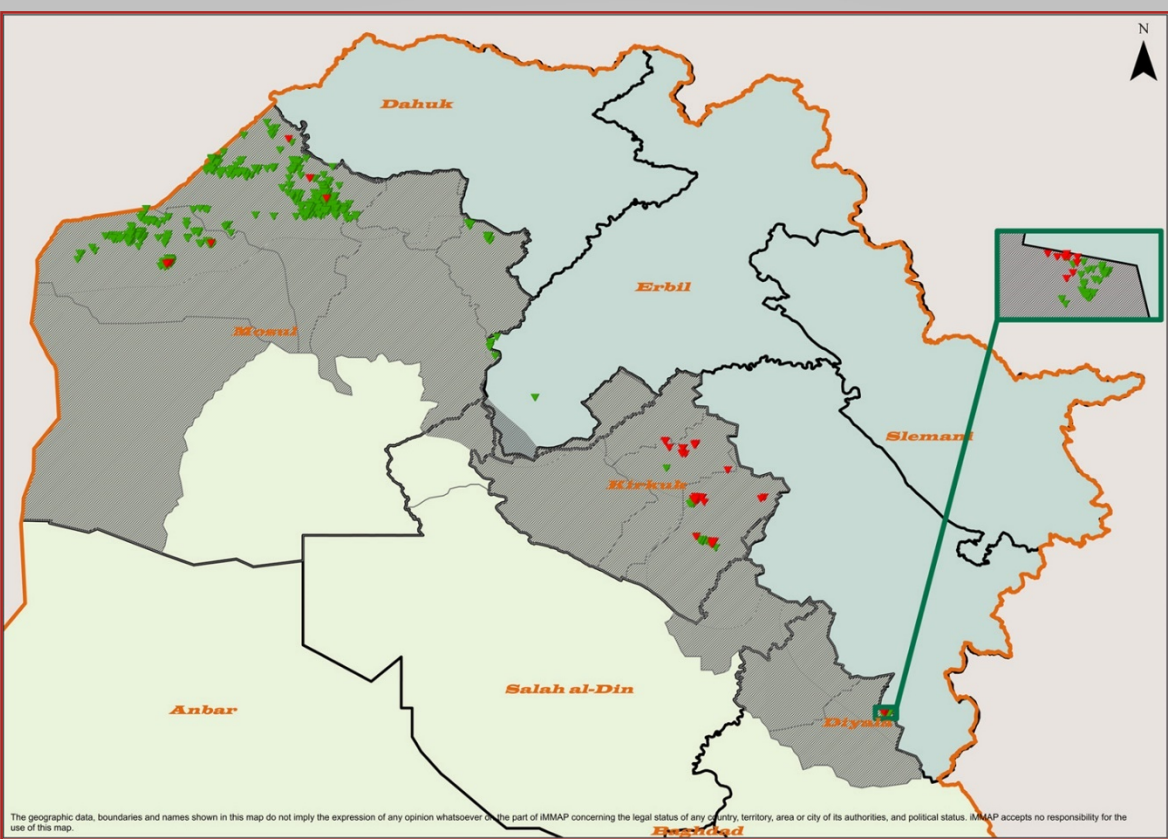
2017



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
	Telafar	5	402
Total		11	136,759
Total		88	4,333,845

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

Total RE activity in Gray Area			
Province	District	Number of recorded RE reports	Number of Beneficiaries
Kirkuk	Daquq	48	1,445
	Kirkuk	347	7,741
Total		395	9,186
Diyala	Khanaqin	465	7,188
Total		465	7,188
Ninewa	Mosul	21	541
	Sinjar	304	5,512
	Telafar	734	56,454
	Tilkaif	10	858
Total		1,069	63,365
Grand Total		1,929	79,739



Number of destroyed devices by organization per District				
Province	District	Organization	IED	UXO
Kirkuk	Daquq	FSD	874	34
	Hawija	IKMAA	10	88
Total			884	122
Diyala	Khanaqin	MAG	2	31
Total			2	31
Ninewa	Al-Hamdaniya	MAG		1
	Mosul		579	16
	Sinjar		731	198
	Telafar		2,431	380
	Makhmur	FSD		841
		IKMAA	1	2
Total			3,742	1,438
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
	Hawija	IKMAA	1	85,000
Total			37	476,288
Diyala	Khanaqin	MAG	31	9,900
Total			31	9,900
Ninewa	Al-Hamdaniya	MAG	1	200
	Mosul		24	261,888
	Sinjar		169	762,741
	Telafar	FSD IKMAA	501	1,790,825
	Makhmur		6	18,278
			1	15,000
Total			702	2,848,932
Grand Total			770	3,335,120

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
	Telafar	Active	5	402
		Expired	503	1,581,759
Total			711	2,704,607
Grand Total			865	7,382,987

Camps and IDPs locations



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
Sulaimani	25,526	153,156
Total	211,574	1,269,444

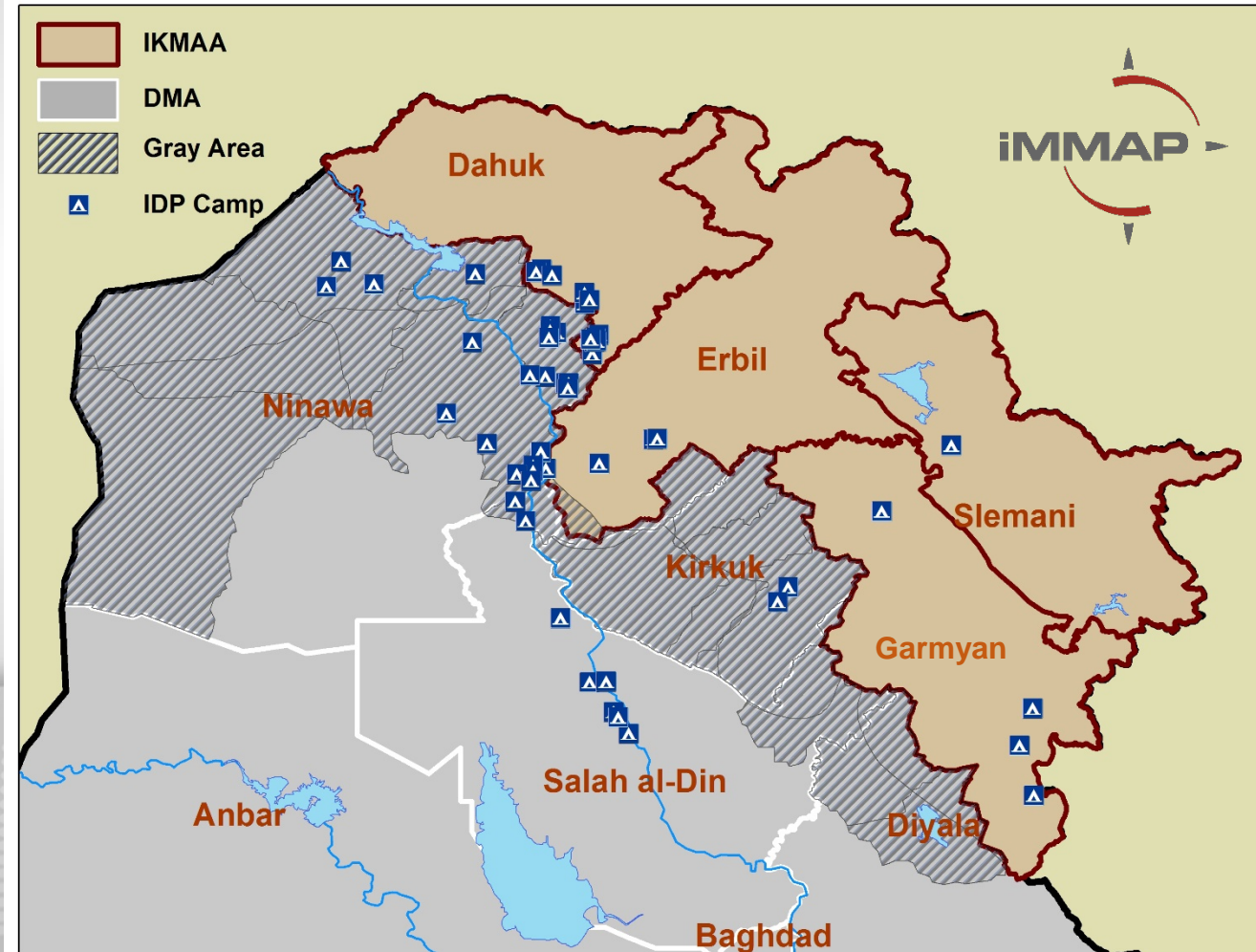


Camp location Assessment in KRI and Gray area

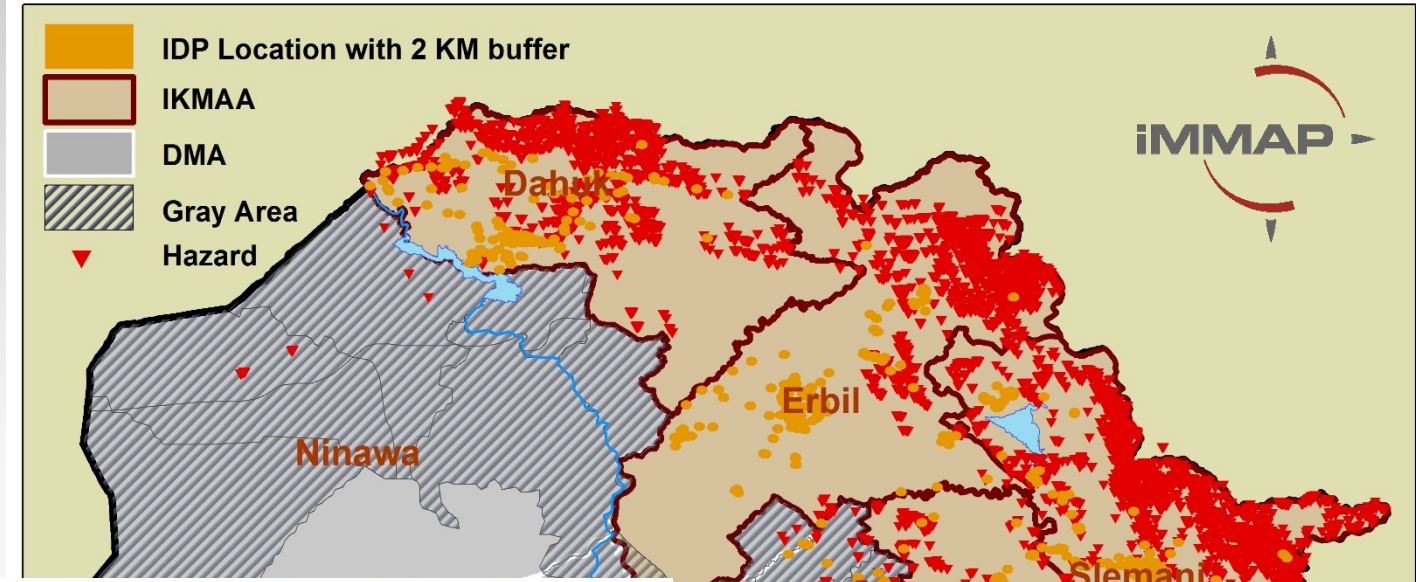
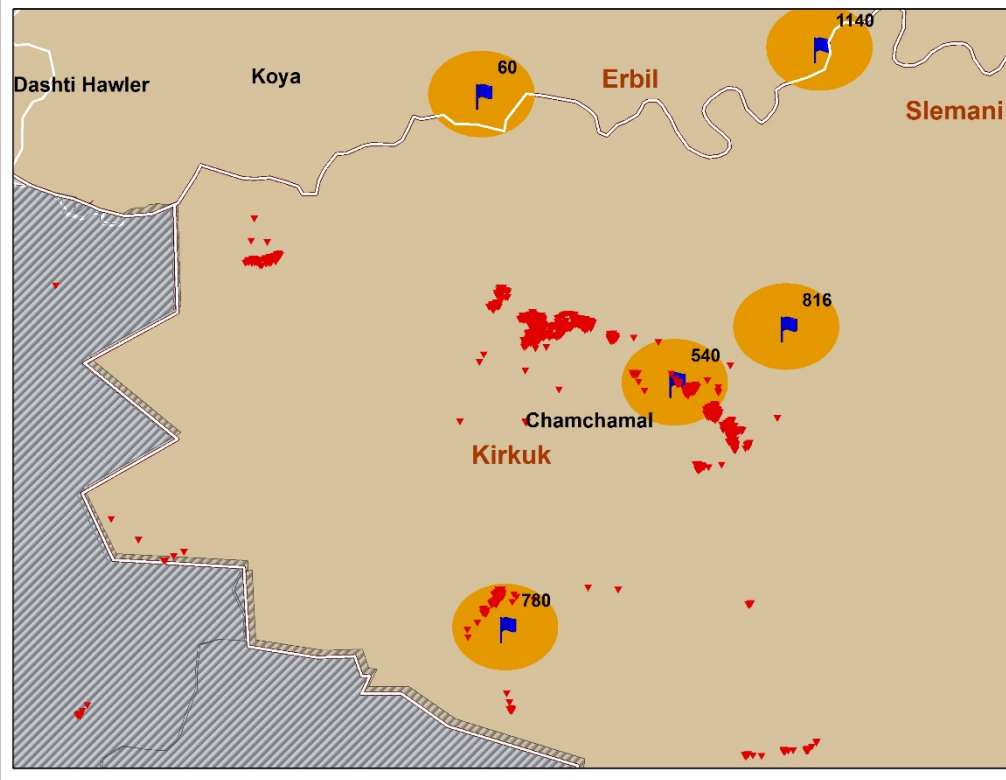
MRE activities by implementing partners after camp land by IKMAA

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
Garman	MAG + HI+SoS	410
Garman	MAG + SoS	830
Garman	SoS	621
Kirkuk	SoS	87
Slimani	SoS	115
Total		99,590

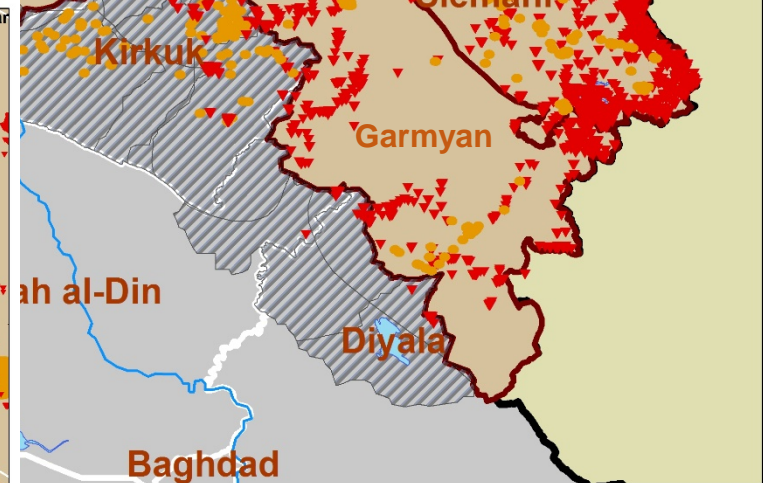
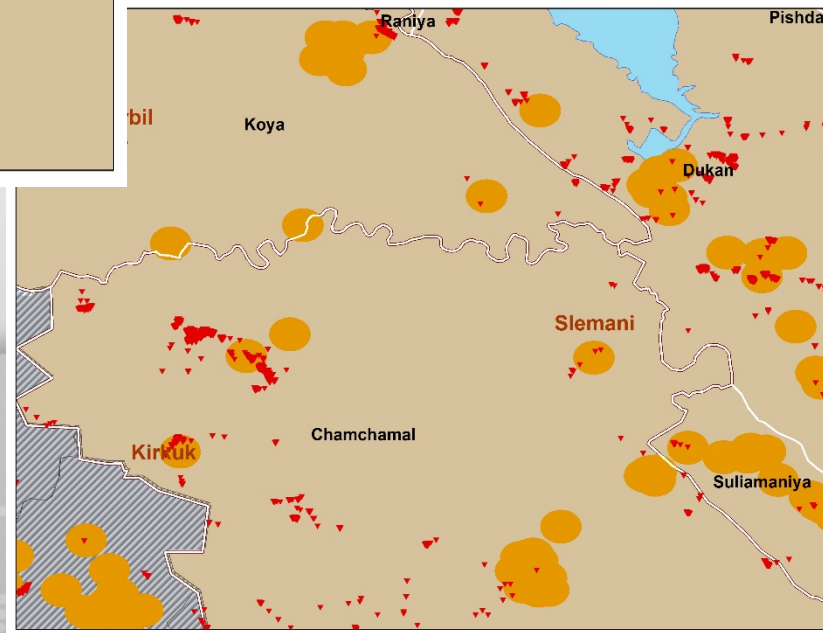
All camps are located inside KRI and Gray area. IKMAA conducted an assessment to make sure the land is not contaminated with landmine and ERW.



IDPs locations assessment comparing to the current contamination.



Contaminated legacy areas with Landmine, UXO and ERW devices 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

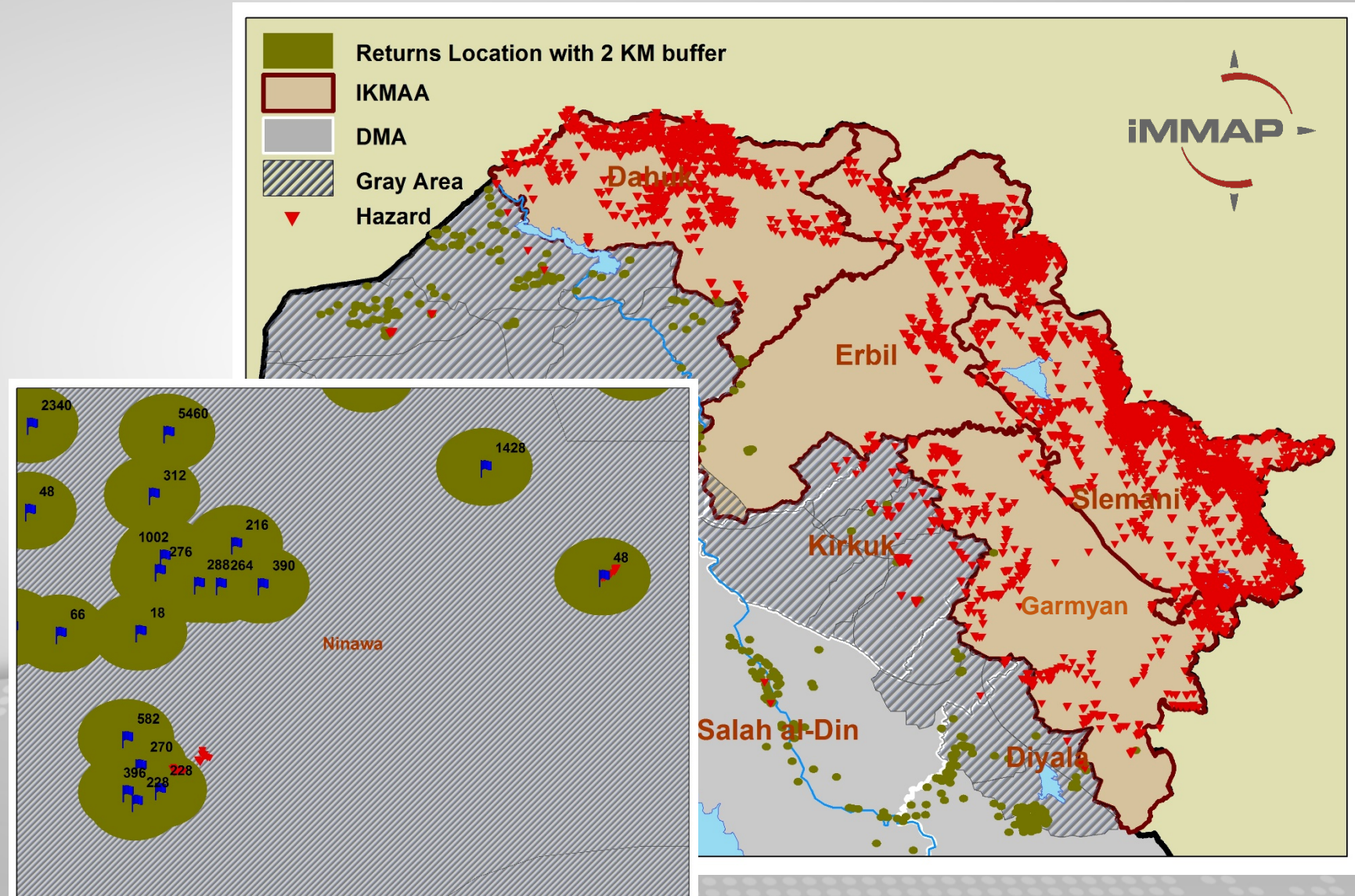


Number of returnees : 1,455,348

Returnees locations assessment comparing to the current contamination

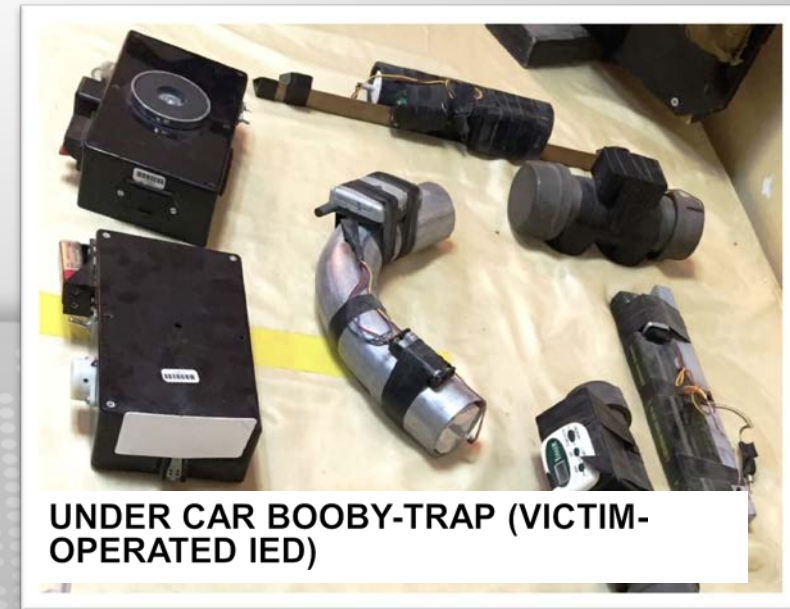
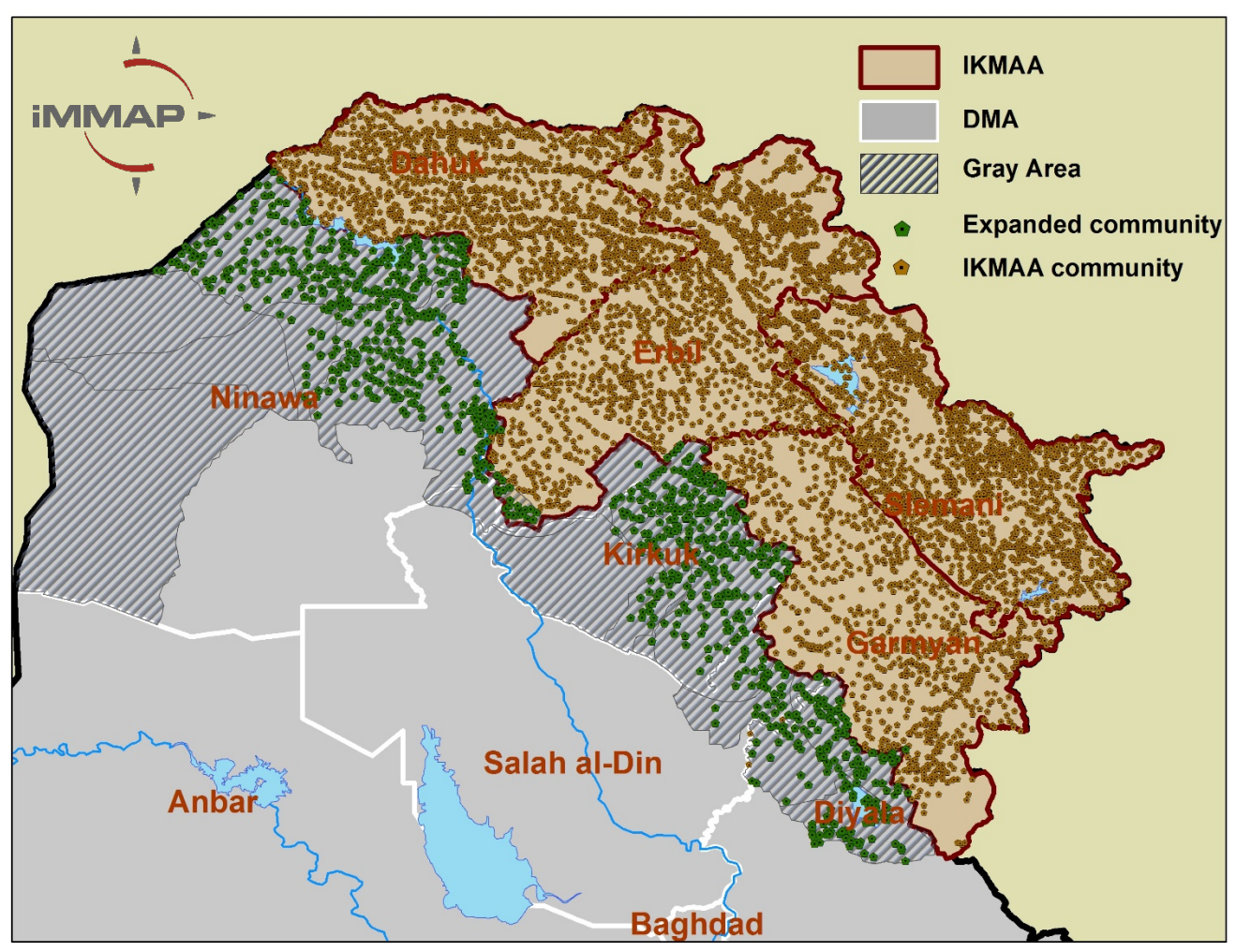
Contaminated areas with IED, UXO and ERW devices impacted huge number of returnees location as shown on the map.

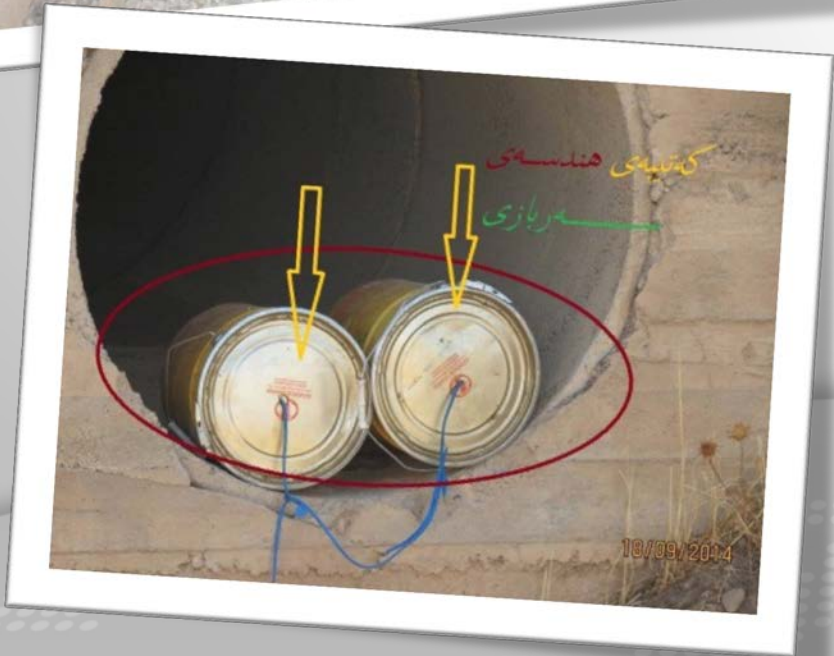
As an example for two returnees locations showing more than 500 returnee families were impacted by ERW and IED caused by ISIL.



IKMAA response for IDPs and Returnees

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





CONTAMINATION AND DAMAGE ASSESSMENT
PROVINCE OF MOSUL - DISTRICTS OF TELAFAR AND SINJAR: CURRENT AND PRE-CONFLICTS POPULATION IN THE SURVEYED VILLAGES

PRE AND POST POPULATION

Village Code	Village Name	Pre-Conflict Pop.	Post-Conflict Pop.	Pop. Change
001	Al-Bab	100	100	0
002	Al-Bab	100	100	0
003	Al-Bab	100	100	0
004	Al-Bab	100	100	0
005	Al-Bab	100	100	0
006	Al-Bab	100	100	0
007	Al-Bab	100	100	0
008	Al-Bab	100	100	0
009	Al-Bab	100	100	0
010	Al-Bab	100	100	0
011	Al-Bab	100	100	0
012	Al-Bab	100	100	0
013	Al-Bab	100	100	0
014	Al-Bab	100	100	0
015	Al-Bab	100	100	0
016	Al-Bab	100	100	0
017	Al-Bab	100	100	0
018	Al-Bab	100	100	0
019	Al-Bab	100	100	0
020	Al-Bab	100	100	0
021	Al-Bab	100	100	0
022	Al-Bab	100	100	0
023	Al-Bab	100	100	0
024	Al-Bab	100	100	0
025	Al-Bab	100	100	0
026	Al-Bab	100	100	0
027	Al-Bab	100	100	0
028	Al-Bab	100	100	0
029	Al-Bab	100	100	0
030	Al-Bab	100	100	0
031	Al-Bab	100	100	0
032	Al-Bab	100	100	0
033	Al-Bab	100	100	0
034	Al-Bab	100	100	0
035	Al-Bab	100	100	0
036	Al-Bab	100	100	0
037	Al-Bab	100	100	0
038	Al-Bab	100	100	0
039	Al-Bab	100	100	0
040	Al-Bab	100	100	0
041	Al-Bab	100	100	0
042	Al-Bab	100	100	0
043	Al-Bab	100	100	0
044	Al-Bab	100	100	0
045	Al-Bab	100	100	0
046	Al-Bab	100	100	0
047	Al-Bab	100	100	0
048	Al-Bab	100	100	0
049	Al-Bab	100	100	0
050	Al-Bab	100	100	0
051	Al-Bab	100	100	0
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086	Al-Bab	100	100	0
087	Al-Bab	100	100	0
088	Al-Bab	100	100	0
089	Al-Bab	100	100	0
090	Al-Bab	100	100	0
091	Al-Bab	100	100	0
092				

Pre conflict

After conflict

NGOs response for IDPs and Returnees

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

Residential



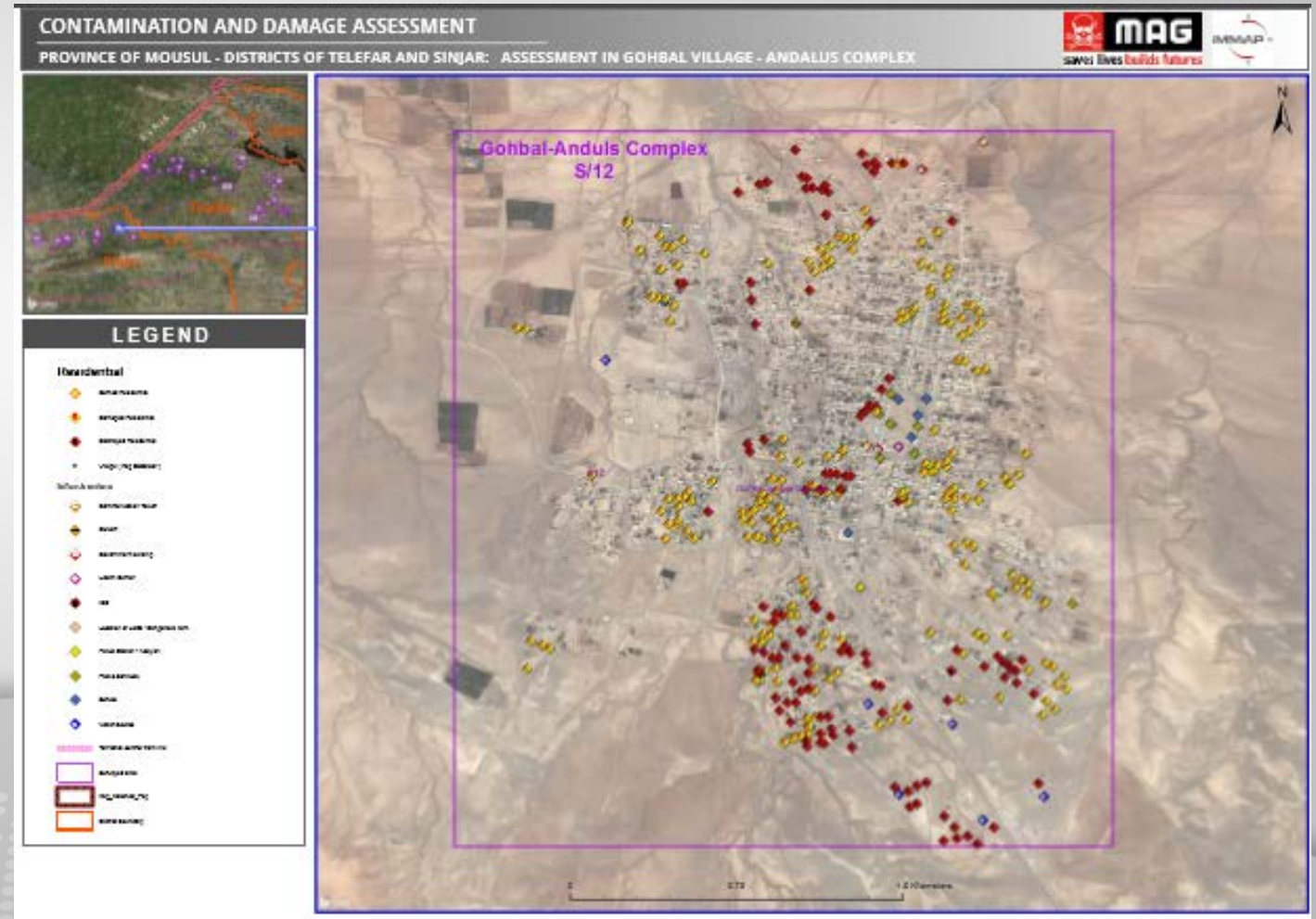
Burned Residential



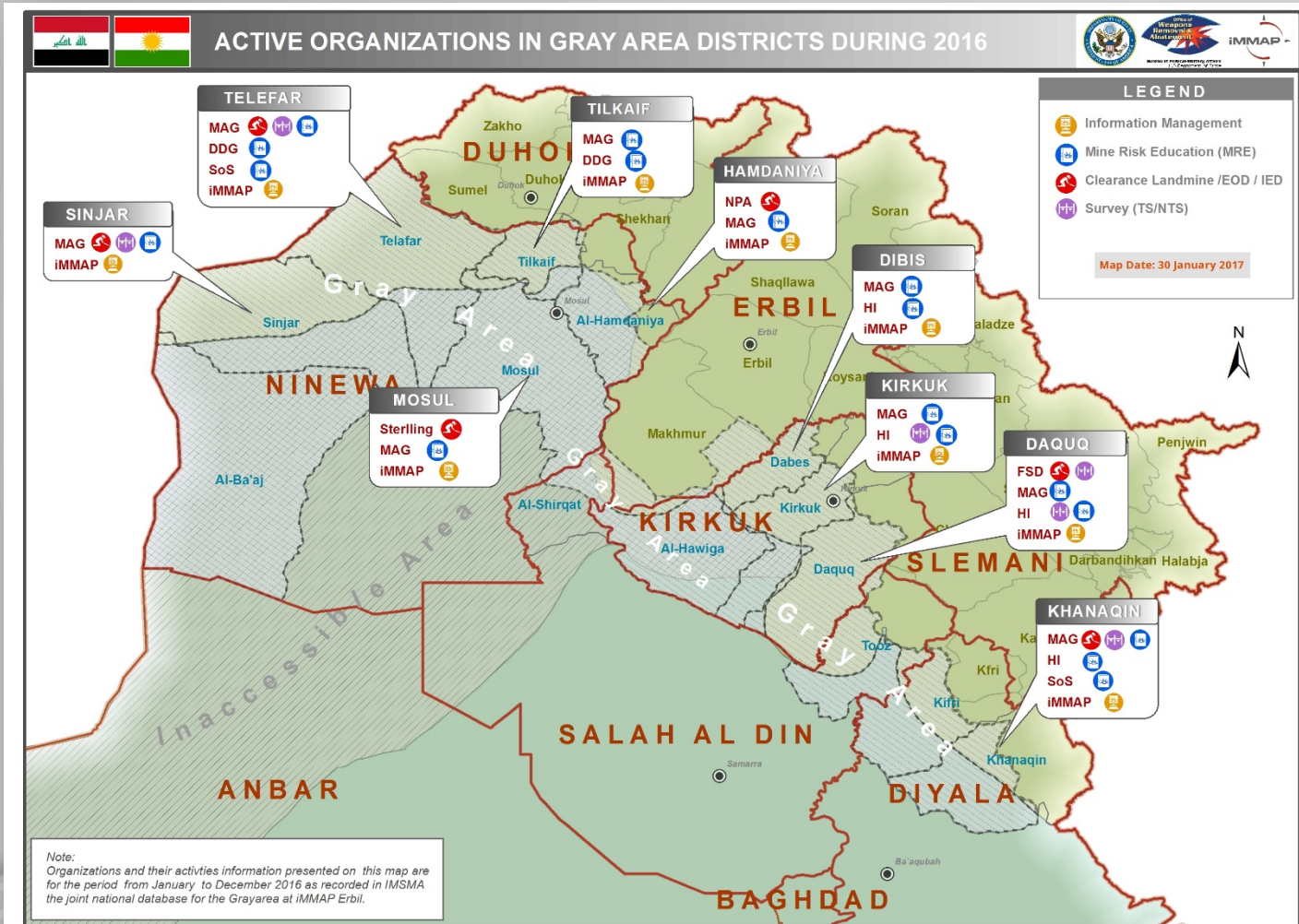
Damaged Residential



Destroyed Residential



NGOs response for IDPs and Returnees

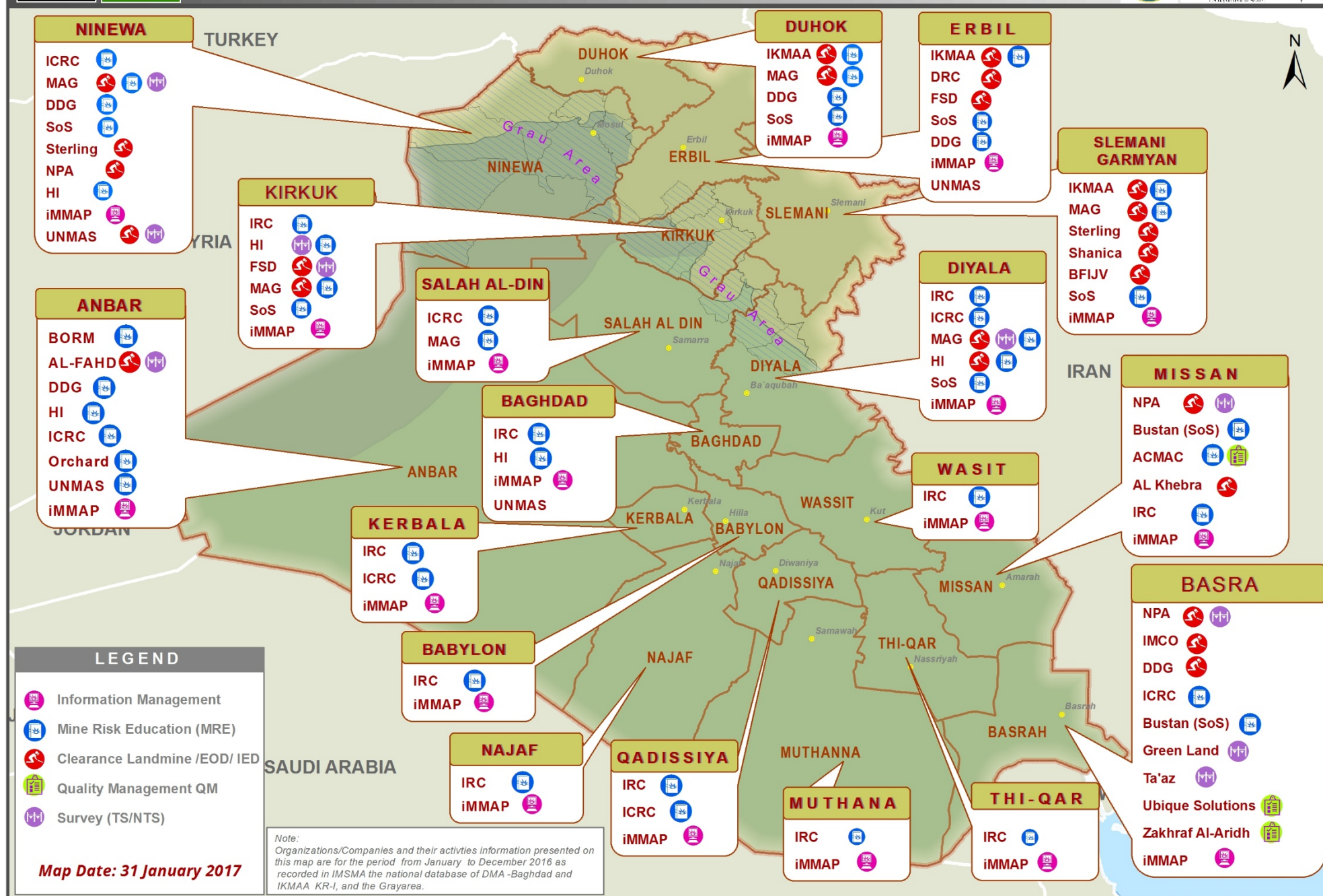


Organizations working in Gray Area during 2016

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

Future needs

- Non-Technical survey (NTS)
- Demarcation
- Clearance
- Victim assistant

Source of data: iMMAP security database, Jan 2014-2016

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

