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Iraq Index

Tracking Variables of Reconstruction & Security in Post-Saddam Iraq

www.brookings.edu/iraqindex

Updated April 16, 2004

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SECURITY INDICATORS

U.S. TROOP FATALITIES SINCE MAY 1

4/16/2004

Month	U.S. troop losses since May 1, 2003 ¹		
	Fatalities (all kinds)	Fatalities in hostile incidents	Fatalities in non-hostile incidents
May	37	8	29
June	30	18	12
July	46	27	19
August	36	14	22
September	30	18	12
October	44	33	11
November	82	70	12
December	40	25	15
January	46	41	5
February	21	12	9
March	51	33	18
April	85	84	1
Total	548	383	165
as of April 14			

U.S TROOPS WOUNDED IN ACTION SINCE MAY 1

4/16/2004

Month	Wounded in action ²
May	54
June	147
July	226
August	181
September	247
October	413
November	337
December	261
January	191
February	151
March	291
April	229
Total as of April 14	2,728

NOTE: From the start of the war on March 19 until the end of major combat operations on April 30, 2003 Operation Iraqi Freedom caused 138 American troop fatalities. Of those, 109 were the result of hostile action, and 29 the result of non-hostile action. 65 U.S. troops were killed in March 2003. There were a total of 73 American fatalities in April, 2003 22 of which were killed after April 9. Of those 22, 10 were the result of hostile action and 12 the result of non-hostile action.

NOTE: 541 American troops were wounded in action between March 19 and April 30, 2003.

Month	U.K. troop fatalities since May 1, 2003 ³
May	4
June	6
July	1
August	5
September	2
October	1
November	1
December	0
January	5
February	1
March	0
April	0
Total as of April 16	26

NON-U.S. & U.K. COALITION FATALITIES SINCE MAY 1

4/16/2004

Month	Fatalities
May	0
June	0
July	0
August	2
September	1
October	2
November	24
December	9
January	0
February	1
March	0
April	2
Total as of April 16	41

CASUALTIES TO IRAQI SECURITY FORCES

3/15/2004

Total number of Iraqi security forces	Total number of Iraqi security forces wounded in
killed since May	action
as of March 13	as of November 4
350 ⁴	182 ⁵

NOTE: Up until May 1, 2003, Operation Iraqi Freedom caused 33 British troop fatalities. Of those 33 fatalities, 6 occurred during the month of April. Of the 6 fatalities that occurred in April, 2 occurred after April 9.

NOTE: Excluding American and British troop fatalities, there were no coalition fatalities from the start of the war up until May 1. All such fatalities occurred after that date.

NOTE: The following is a detailed account of the non-U.S. & non-U.K. fatalities;

One Danish military fatality, August 19; one Spanish military fatality, August 20; Ukrainian military fatality, September 30.;Two Spanish military fatalities, October 9, and October 26(The former fatality was a Spanish military attaché.); One Polish military fatality, November 6; 16 Italian military fatalities, November 12; 7 Spanish military fatalities, November 29 (Since the Spanish fatalities were intelligence officers, they are being counted as military rather than civilian fatalities); One Polish military fatality, December 22; 6 Bulgarian military fatalities, December 27; 2 Thai military fatalities, December 27; One Estonian military fatality, February 29; One Salvadorian soldier April 4; One Ukrainian soldier April 6.

NOTE: The estimate of casualties to Iraqi security forces is a very rough one. The total number of Iraqi security forces killed as of March 28 is assumed to be a minimum as it only reflects Iraqi police killed since the fall of Baghdad.

IRAQI CIVILIAN CASUALTIES

4/7/2004

Month	Iraqi civilians killed ⁶
June	75
July	31
August	37
September	61
October	111
November	92
December	152
January	87
February	286
March	248
Total as of March 26	1,180

NON-IRAQI CIVILIAN CASUALTIES

4/16/2004

Month	Non-Iraqi civilians killed
May	0
June	0
July	0
August	25 ⁷
September	0
October	28
November	99
December	0
January	6^{10}
February	0
March	14 ¹¹
April	5 ¹²
Total as of April 16	61

NOTE: The estimate of Iraqi civilians killed is a very rough one. There may be some double counting of the people that are reported as dead due to violent incidents by the Iraqi morgue and reports of individual incidents, although measures to minimize any such double counting have been taken by focusing on separate incidents only.

NOTE: Of the 54 non-Iraqi civilians killed as of April 14, at least 16 were Americans, and 15 were contractors. The various nationalities of the United Nations employees killed on August 19 are not available at present.

NOTE: At least 30 Halliburton employees have been killed since the start of the war. Andrew Jacobs and Simon Romero, "Workers, Lured by Money and Idealism, Face Iraqi Reality," *New York Times*, April 14, 2004.

MASS CASUALTY BOMBINGS IN IRAQ SINCE MAY

4/16/2004

Month	Mass casualty car bombings/	Killed	Wounded
	Suicide bombings		
May	0	0	0
June	0	0	0
July	0	0	0
August	3 ¹³	128	292
September	214	1	21
October	12 ¹⁵	73	246
November	4 ¹⁶	48	150
December	1217	64	223
January	7 ¹⁸	51	237
February	1619	149	240
March	7^{20}	193	435
April	0	0	0
Total as of April 16	62	707	1,844

NOTE: 55 of the 60 bombings as of April 12 were suicide bombings. Casualties do not include the suicide bombers. The tallies for the number of killed and wounded are approximate.

COALITION TROOP STRENGTH IN IRAO SINCE MAY

Month	1	U.S. troops in Irac			Total international troop
	Active	Reserve	Total	(excluding U.S & Iraqi forces)	strength in Iraq
May	~142,000 ²¹	~8,000 ²²	150,000 ²³	23,000 ²⁴	173,000
June	~126,000 ²⁵	~24,000 ²⁶	150,000 ²⁷	21,000 ²⁸	171,000
July	~124,000 ²⁹	~25,000 ³⁰	149,000 ³¹	21,000 ³²	170,000
August	~114,000 ³³	~25,000 ³⁴	139,000 ³⁵	22,000 ³⁶	161,000
September	~103,000 ³⁷	~29,000 ³⁸	132,000 ³⁹	24,000 ⁴⁰	156,000
October	~102,000 ⁴¹	~29,000 ⁴²	131,000 ⁴³	25,000 ⁴⁴	156,000
November	N/A	N/A	123,000 ⁴⁵	23,900 ⁴⁶	146,900
December	~85,400 ⁴⁷	~36,600 ⁴⁸	122,000 ⁴⁹	24,500 ⁵⁰	146,500
January	N/A	N/A	122,000 ⁵¹	25,600 ⁵²	147,600
February	N/A	N/A	115,000 ⁵³	24,000 ⁵⁴	139,000
March	N/A	N/A	130,000 ⁵⁵	24,000 ⁵⁶	154,000
April	N/A	N/A	137, 000 ⁵⁷	24,000 ⁵⁸	161,000

N/A= Not available

<u>U.S. TROOPS ENGAGED IN OPERATION IRAQI FREEDOM</u> STATIONED IN THE VICINITIES OF IRAQ AND AT SEA

1/28/2004

Month	Number of U.S. troops
September	$51,000^{59}$

NOTE: 26,000 U.S. and Coalition personnel providing logistical support to Operation Iraqi Freedom were deployed in Kuwait, as of March 4, 2004. Commander USCENTCOM, John Abizaid, "Prepared Testimony before the Senate Committee on Armed Services Personnel Subcommittee", March 4, 2004, p. 8.

NOTE: Of the 51,000 troops involved in Operation Iraqi Freedom stationed outside of Iraq in September, approximately 10,070 were Navy personnel (most at sea in the Persian Gulf). The majority of the remaining 40,090 troops are assumed to have been stationed in Kuwait. Since approximately 2,500 Marines were stationed in Kuwait, we assume that roughly 37,590 Army troops were stationed in Kuwait or in the vicinities. This table will be updated as soon as more recent data becomes available.

NOTE: All numbers are end of month estimates, or latest data available for the current month.

TOP TEN NON-U.S. COALITION CONTRIBUTORS OF MILITARY PERSONNEL IN IRAQ

4/14/04

Coalition country	Military personnel in Iraq ⁶⁰	
United Kingdom	8,700	
Italy	2,500	
Poland	2,500	
Ukraine	1,650	
Spain	1,300	
Netherlands	1,000	
Thailand	900	
Australia	850	
Romania	700	
South Korea	600	
Remaining 23 coalition countries	3,300	
Total	24,000 ⁶¹	

COALITION FORCES ACTIVITY

4/7/2004

Month	Average number of patrols/day ⁶²	Average number of raids/day ⁶³	Average number of anti-coalition suspects captured/day ⁶⁴
November	1,660	25	100
December	1,690	20	108
January	1,570	18	84
February	1,470	14	66
March	1,430	11	57
April	1,566	18	42

NOTE: The functions of each coalition country's military personnel vary, and range from security forces to medics and engineers.

NOTE: The majority of the 33 country coalition forces are organized into two multi-national divisions (MND). The MND South East is under British command and includes forces from the United Kingdom, Italy, Denmark, Czech Republic, Portugal, South Korea, Netherlands, Romania, Norway, New Zealand, and Lithuania. The MND Central South is under Polish command and includes forces from Poland, Spain, Nicaragua, Dominican Republic, Romania, Latvia, Slovakia, Hungary, Ukraine, Bulgaria, Honduras, Mongolia, Lithuania, Kazakhstan, Thailand and the Philippines. In addition, Albania, Australia, Azerbaijan, El Salvador, Estonia, Japan, Macedonia, Moldova and Singapore contribute military personnel in some capacity.

DAILY INSURGENT ATTACKS ON U.S. TROOPS & REWARD OFFERED BY INSURGENTS FOR ATTACKING U.S. TROOPS SINCE MAY 4/2/2004

Month	Typical number of daily attacks on U.S. troops nationwide	Reward for carrying out attacks on U.S. troops (\$) (attack/successful attack)
May	N/A	100/500 ⁶⁵
June	6 ⁶⁶	N/A
July	N/A	N/A
August	15 ⁶⁷	N/A
September	50^{68}	N/A
October	30-35 ⁶⁹	1,000-2,000/ 3,000-5,000 ⁷⁰
November	22^{71}	N/A
December	15 ⁷²	500/3,000 ⁷³
January	18 ⁷⁴	N/A
February	20^{75}	N/A
March	25 ⁷⁶	N/A

N/A= Not available

DAILY INSURGENT ATTACKS ON IRAQI SECURITY FORCES

4/2/2004

Month	Typical number of daily attack on Iraqi security forces
December	2^{77}
January	4^{78}
February	4 ⁷⁹
March	4 ⁸⁰

DAILY INSURGENT ATTACKS ON IRAQI CIVILIANS

4/2/2004

Month	Typical number of daily attack on Iraqi civilians
December	281
January	1^{82}
February	3 ⁸³
March	4 ⁸⁴

U.S FORCES ABILITY TO DISCOVER HIDDEN EXPLOSIVE DEVICES BEFORE DETONATION

12/9/2003

Time	Explosive devices that are discovered by U.S. troops before detonation
Late spring/ early summer	10-15 %85
December	75% ⁸⁶

ACCURACY OF INTELLIGENCE LEADS PROVIDED TO U.S. FORCES

12/9/2003

Month	Accuracy of intelligence leads		
Late spring/	50% ⁸⁷		
early summer			
December	90% ⁸⁸		

AMERICAN MILITARY HELICOPTERS DOWNED BY ENEMY FIRE

4/12/2004

Month	Number of helicopters ⁸⁹		
October	1		
November	3		
December	2		
January	5		
February	0		
March	0		
April	1		
Total as of April 16	12		

ATTACKS ON IRAQI PIPELINES, OIL INSTALLATIONS & OIL PERSONNEL

4/16/2004

Month	Number of attacks ⁹⁰
June	6
July	2
August	3
September	2
October	4
November	9
December	9
January	2
February	2
March	5
April	2
Total	45

BAATHIST LEADERS STILL AT LARGE SINCE APRIL

4/16/2004

Month	Iraqi 55 most wanted: Individuals still at large ⁹¹		
April	40		
May	28		
June	23		
July	18		
August	16		
September	15		
October	15		
November	15		
December	1392		
January	1293		
February	1094		
March	995		
April	9		

NOTE: The helicopters referred to above are believed to have crashed as a result of hostile fire, although three of the helicopter crashes included in the table (December 10, January 13 and January 23) are still under investigation.

NOTE: An attempt to assassinate an Iraqi distribution manager for the Oil Distribution Company on November 10 left the manager wounded and his son killed. An Iraqi police colonel in charge of oil installation security was shot and killed November 20. Both incidents took place in the city of Mosul.

ESTIMATED STRENGTH OF IRAOI RESISTANCE NATIONWIDE SINCE NOVEMBER

Month	Estimated strength of Iraqi resistance nationwide		
November	5,00096		
December	5,00097		
January	3, 000-5,000 ⁹⁸		
February	N/A		
March	N/A		
April	5,00099		

SUSPECTED INSURGENTS DETAINED OR KILLED SINCE MAY

4/16/2004

4/14/2004

Time	Estimated numbers of suspected
	insurgents detained and killed
May	1,000 ¹⁰⁰
June	$1,000^{101}$
July	$1,000^{102}$
August	$1,000^{103}$
September	750 ¹⁰⁴
October	750 ¹⁰⁵
November	$3,\!000^{106}$
December	$1,000^{107}$
January	$2,500^{108}$
February	1,950 ¹⁰⁹
March	1,750110
April	1,960 ¹¹¹

NOTE: "Over 90 percent" of the enemy combatants are Bath Party loyalists, according to John E. McLaughlin, Deputy Director of Central Intelligence. Dana Priest, "The CIA's 'Anonymous' No. 2; Low-Profile Deputy Director Leads Agency's Analytical Side," *Washington Post*, January 9, 2004. Brig. Gen. Martin E. Dempsey, commander of the U.S. Army's 1st Armored Division, estimates that as of March 18, there was "only about 100 "foreign terrorists" in Baghdad, organized into about six cells." "Maj. Gen. Charles H. Swannack Jr. of the 82nd Airborne Division said he believed there were a total of 50 to 80 foreign fighters in eight to 10 cells" in Anbar province as of March 18. "Rajiv Chandrasekaran, Iraq Attacks Blamed On Islamic Extremists; U.S. Says Hussein Loyalists No Longer Dominate," *Washington Post*, March 19, 2004.

NOTE: As of January 5, 14 cells, each consisting of 20-100 enemy combatants are believed to be actively operating in Baghdad. Patrick J. McDonnell, "Information Is Flowing After Hussein's Arrest," *Los Angeles Times*, January 5, 2004. Data on success in the counterinsurgency campaign is somewhat encouraging, but no one can tell how quickly cells that are being depleted or destroyed are either regenerating or being replaced by the formation of new cells.

NOTE: The estimate of suspected insurgents killed or detained since May is a very rough one. The substantial increase in number of people detained or killed in November and onwards may not imply a huge increase in people detained or killed but rather that the data improved starting that month. The numbers for suspected insurgents killed or detained from November to March is not a monthly total, but the projected total given the daily pace of detained anti-coalition suspects. Since the monthly totals do not include anti-coalition suspects killed, except for in April, the real number of anti-coalition suspects detained and killed is likely to be higher.

NOTE: As many as 70-80% of those detained may be innocent and military judges have recommended they be released. Jeffrey Gettleman, "U.S. Detains Iraqis, and Families Please for News," *New York Times*, March 7, 2004. About 9,000 people are in coalition custody as of 6 January, 506 of which are said to be released within the next couple of weeks. Edward Wong, "U.S. Officials Plan to Release Iraqis Who Pose Just 'Some Risk'," *New York Times*, January 6, 2004. Since 8.500 suspected anticoalition fighters are detained as of March 27, it appears as if the majority of suspects detained are released after a couple of weeks, or months.

NOTE: Less than 2% of the 8,500 anti-coalition suspects detained as of March 27 are foreign nationals. Dexter Filkins, "16 Die in Gun Battles in Sunni Areas of Iraq," *New York Times*, March 27, 2004.

SIZE OF IRAQI SECURITY FORCES SINCE MAY

Month	Iraqi security forces						
	Police	Civil Defense Corps	Army	Border patrol	Facilities protection services	Total Iraqi security forces	
May	7,000- 9,000 ¹¹²	N/A	0	N/A	N/A	N/A	
June	N/A	N/A	0	N/A	N/A	N/A	
July	30,000113	N/A	0	N/A	11,000 ¹¹⁴	N/A	
August	34,000 ¹¹⁵	670 ¹¹⁶	0	2,500 ¹¹⁷	N/A	N/A	
September	37,000 ¹¹⁸	2,500 ¹¹⁹	0	4,700 ¹²⁰	>12,000 ¹²¹	56,200	
October	55,000 ¹²²	4,700 ¹²³	700124	6,400 ¹²⁵	18,700 ¹²⁶	85,500	
November	68,800 ¹²⁷	12,700 ¹²⁸	900 ¹²⁹	12,400 ¹³⁰	52,700 ¹³¹	147,500	
December	71,600 ¹³²	15,200 ¹³³	400 ¹³⁴	12,900 ¹³⁵	65,200 ¹³⁶	165,300	
January	66,900 ¹³⁷	19,800 ¹³⁸	1,100 ¹³⁹	21,000 ¹⁴⁰	97,800 ¹⁴¹	206,600	
February	77,100 ¹⁴²	27,900 ¹⁴³	2,000 ¹⁴⁴	18,000 ¹⁴⁵	73,900 ¹⁴⁶	198,900	
March	75,000 ¹⁴⁷	35,493 ¹⁴⁸	5,174 ¹⁴⁹	23,426 ¹⁵⁰	73,992 ¹⁵¹	213,085	
	22% partially or fully trained	95% partially or fully trained	58% partially or fully trained	39% partially or fully trained	100% partially or fully trained	64% partially or full trained	
Stated goal	75,000 ¹⁵²	40,000153	40,000154	25,727 ¹⁵⁵	55,000 ¹⁵⁶	235,727	

N/A= Not available

NOTE: All numbers are end of month estimates, or latest data available for the current month.

NOTE: There are 10,000 police on duty in Baghdad as of March 18. The goal set by the CPA is to have 19,000 police on duty. Major General Martin Dempsey, Commander, 1st Armored Division, *Coalition Provisional Authority Briefing*, (www.defenselink.mil/transcripts/2004/tr20040318-0549.html [March 19, 2004]).

NOTE: Approximately 480 of the 900 soldiers in the first army battalion trained since May 1 were resigning, largely due to allegations of insufficient pay. Ariana Eunjung Cha, "Iraqi Army Recruits Quit Over Low Pay, " *Washington Post*, December 14, 2003.

NOTE: The army under Saddam was 400,000 troops strong. Dexter Filkins, "Bremer Pushes Iraq on Difficult Path to Self-Rule," *New York Times*, March 21, 2004.

CRIME-RELATED DEATHS IN BADGHAD SINCE MAY

Month	Estimated annualized murder rate per 100,000 citizens ¹⁵⁷
	(For comparison Washington DC rate: 43 ¹⁵⁸)
May	70-100
June	95-130
July	95-160
August	110-190
September	80-140
October	70-120
November	55-95
December	70-120
January	70-120
February	70-120
March	70-120

NOTE: Lower estimates for each month are typically based on the number of bodies brought to the Baghdad morgue with mortal gunshot wounds. Higher estimates reflect the fact that many victims are buried quickly and privately and never recorded in official tallies. To estimate these, when possible we use the total number of bodies of victims brought into the morgue in a given month as a very rough proxy for total murder victims in Baghdad (recognizing that many bodies at the morgue are not those of murder victims, but at the same time that many murder victims never are taken to the morgue.) The upper bounds also include victims of suicide and car bombings. The homicide rate is calculated based on an estimated population of 5.6 million people in Baghdad.

NOTE: Despite a generally poor security situation in Baghdad, there are indicators suggesting that the situation is improving somewhat. According to a report made by Brig. Gen. Mark Hurtling, assistant commander, 1st Armored Davison, Baghdad, "we continue to see a decrease in crime (especially as we put more Iraqi Police and ICDC [Iraqi Civil Defense Corps] on the streets.)¹⁵⁹" Nevertheless, according to one senior Iraqi police chief on January 22, although "murders [in Baghdad] are decreasing," the level of other crimes such as robberies and carjackings has not. "The police are weak", he continues. "We don't have enough supplies. The public is still afraid to cooperate with us. They fear tribalism and retribution. ¹⁶⁰" The Pentagon has yet to make any statistics on Iraqi crime or murder rates available as of March 12. This table will be updated as soon as more information becomes available.

NOTE: Because Baghdad comprises roughly 1/5 of the entire Iraqi population, Iraq's national murder would according to our statistics be roughly 10-30 per 100,000 citizens per year—even if there were no murders outside of the capital at all...Interpol lists the following nationwide numbers per 100,000 citizens for countries in the region; Libya 2.08, Jordan 6.33, Lebanon 3.38, Saudi Arabia, 0.71. However, Interpol notes that these [nationwide] statistics cannot be used as a basis for comparison between different countries. This is partly because "police statistics reflect reported crimes, but this only represents a fraction of the real level. The volume of crimes not reported to the police may depend on the actions, policies and perceptions of the police. These can vary with time, as well as from country to country." Because of the inherent difficulty in interpreting and comparing international murder rates, all such statistics - including those stated in the table above - should be interpreted guardedly.

ECONOMIC & QUALITY OF LIFE INDICATORS

IRAQI NATIONAL DEBT: CREDITORS

11/6/2003

Creditor country/	Outstanding amounts due by Iraq
creditor by country of	(millions of dollars)
origin	
and interest	
Australia	499.3 ¹⁶¹
Austria	813.1162
Belgium	184.5 ¹⁶³
Brazil	192.9 ¹⁶⁴
Canada	564.2 ¹⁶⁵
Denmark	30.8^{166}
Finland	152.2 ¹⁶⁷
France	$2,993.7^{168}$
Germany	$2,403.9^{169}$
Italy	1,726 ¹⁷⁰
Japan	4,108.6 ¹⁷¹
Netherlands	96.7 ¹⁷²
Republic of Korea	54.7 ¹⁷³
Russian Federation	3,450 ¹⁷⁴
Spain	321.2 ¹⁷⁵
Sweden	185.8 ¹⁷⁶
Switzerland	117.5 ¹⁷⁷
United Kingdom	930.8 ¹⁷⁸
United States	2,192 ¹⁷⁹
Egypt and others	N/A
Poland	500 ¹⁸⁰
Kuwait	$17,000^{181}$
Bulgaria	$1,000^{182}$
Hungary	16.5 ¹⁸³
Gulf States	30 ¹⁸⁴
Morocco	31.8 ¹⁸⁵
Jordan	295^{186}
Turkey	800^{187}
Interest (as of 2002)	$47,000^{188}$
Total	~117,660

N/A= Not available.

NOTE: Debt towards Paris Club countries, Russia and the Republic of Korea (cursive) excludes interest rates and is defined as; "from the debtor side, the amounts due by the public sector. From the creditors' point of view, the figures include credits and loans granted, or guaranteed by, the Governments or their appropriate institutions. Basically, private claims (debt owed to private creditors) as well as private debt (owed by private Iraqi Institutions without public guarantee) is excluded from this recollection....Russian claims: this figure represents the amounts due to Russia after a simulation of the adjustment on Soviet era claims consistent with Paris Club methodology."

NOTE: "Estimates of Iraq's foreign debt vary widely, from \$62-130 billion. The disparities in estimates are due in part to a disagreement between Iraq and its neighboring states over the nature of approximately \$30 billion in assistance given to Iraq by several Gulf States during the Iran-Iraq War. Iraq considers these payments to have been grants; the creditor states consider them to have been loans. Figures also vary depending on whether they include interests which some estimates put at \$47 billion and rising. The World Bank/Bank for International Settlements' 2001 estimate for Iraqi debt totaled \$127.7 billion, including \$47 billion in accrued interest. The U.S Department of Energy's 2001 estimate was 62.2 billion."

NOTE: "There are known to be creditors in Egypt, although the exact amount of this debt is not known. There are also assumed to be other unknown or undisclosed creditors in these and other countries."

PLEDGES MADE TO THE COALITION & RECONSTRUCTION DEVELOPMENT FUND FACILITY 11/26/2003

		11/20/20
Country or Institution	Amount pledged in grants and/or loans (millions of \$)	Form of pledge (millions of \$)
Australia	85.8 ¹⁸⁹	Grants
Belgium	5-6 ¹⁹⁰	Grants
Canada	244.1 ¹⁹¹	Grants
China	24 ¹⁹²	Grants
Czech Republic	19 ¹⁹³	Grants
Denmark	43 ¹⁹⁴	Grants
European Union	233 ¹⁹⁵	Grants
Finland	5.9 ¹⁹⁶	Grants
Germany	27.4 ¹⁹⁷	Grants
International Monetary Fund	2,500-4,250 ¹⁹⁸	Loans
Italy	200 ¹⁹⁹	Grants
Japan	5.000 ²⁰⁰	1,500 grants & 3,500 loans ²⁰¹
Kuwait	500 ²⁰²	Grants
Lithuania	$.560^{203}$	Grants
Netherlands	21 ²⁰⁴	Grants
New Zealand	5 ²⁰⁵	Grants
Norway	30 ²⁰⁶	Grants
Oman	$\frac{30}{3^{207}}$	Grants
Pakistan	$\frac{3}{3.3^{208}}$	Grants
Philippines	1 ²⁰⁹	Grants
Russia	8 ²¹⁰	Grants
Saudi Arabia	500 ²¹¹	Loans
Saudi Arabia Singapore	1.7^{212}	Grants
Slovakia	0.29 ²¹³	Grants
South Korea	260 ²¹⁴	
	300 ²¹⁵	Grants
Spain Sweden	30 ²¹⁶	Grants
	15 ²¹⁷	Grants
Switzerland	4.3 ²¹⁸	Grants
Taiwan		Grants
Thailand	$\begin{array}{c} .283^{219} \\ 5^{220} \end{array}$	Grants
Turkey		Grants
United Arab Emirates	215 ²²¹	Grants
United Kingdom	847 ²²²	Grants
United States	18,600 ²²³	Grants
World Bank	3,000-5,000 ²²⁴	Loans
Total	~32,740 - 36,490	~23,240 in grants &
		9,500-13,250 in loans
Amount needed for the next 5 years according to the World Bank and the United Nations ²²⁵	56,000 ²²⁶	Not applicable

NOTE: The table includes countries that made a pledge to Iraqi reconstruction in the form of a grant or a loan. In addition, Iran offered cross-border electricity material, access to their terminals, and \$300 million in credit, Sri Lanka offered to contribute 100 tons of tea, Vietnam offered \$500,000 worth of rice, and Saudi Arabia \$500 million in export credits.

NOTE: The Bush Administration's supplementary spending bill received congressional approval on Nov 4, 2003. Although the amount devoted to Iraqi reconstruction that the House and Senate approved was \$1.4 billion less than requested, the entire amount will be given as a grant instead of as earlier discussed, a loan.

NOTE: Since not all pledges referred to are immediately available as funds, it is hard to assess how much money is presently available for Iraqi reconstruction purposes. Another reason for the delay in making money available is that loans to a non-sovereign government are not legal according to international law.

<u>FUEL</u> 4/7/2004

				Fuel supplies	available	
	(Million barrels)			(Millions of li		(Tons/day)
Time	Crude oil production	Crude export	Diesel (Prod. & Imp.)	Kerosene (Prod. & Imp.)	Gasoline/Benzene (Prod. & Imp)	Total LPG (Prod. & Imp.)
Estimated pre-war level	2.8-3.0 ²²⁷	1.7- 2.5 ²²⁸	N/A	N/A	N/A	N/A
May	0.3 ²²⁹	N/A	N/A	N/A	N/A	N/A
June	0.675^{230}	0.2 ²³¹	N/A	N/A	N/A	N/A
July	0.925 ²³²	0.322 ²³³	6.5^{234}	4.75 ²³⁵	13.5 ²³⁶	1,880 ²³⁷
Aug.	1.445 ²³⁸	0.646 ²³⁹	10.25^{240}	6.2 ²⁴¹	14.0 ²⁴²	2,530 ²⁴³
Sept.	1.7225 ²⁴⁴	0.983 ²⁴⁵	14.25 ²⁴⁶	6.9 ²⁴⁷	17.3 ²⁴⁸	3,030 ²⁴⁹
Oct.	2.055 ²⁵⁰	1.149 ²⁵¹	14.75 ²⁵²	9.6 ²⁵³	16.35 ²⁵⁴	3,700 ²⁵⁵
November	2.1 ²⁵⁶	1.524 ²⁵⁷	13.14 ²⁵⁸	13.3 ²⁵⁹	11.792 ²⁶⁰	3,610 ²⁶¹
December	2.30 ²⁶²	1.541 ²⁶³	12.29 ²⁶⁴	9.4 ²⁶⁵	12.9 ²⁶⁶	3,460 ²⁶⁷
January	2.440 ²⁶⁸	1.537 ²⁶⁹	13.91 ²⁷⁰	11.3 ²⁷¹	13.32 ²⁷²	3,445 ²⁷³
February	2.276 ²⁷⁴	1.382 ²⁷⁵	15.21 ²⁷⁶	13.05 ²⁷⁷	16.65 ²⁷⁸	4,670 ²⁷⁹
March	2.435 ²⁸⁰	1.561 ²⁸¹	15.03 ²⁸²	17.28 ²⁸³	17.19 ²⁸⁴	5,010 ²⁸⁵
April	2.393 ²⁸⁶	1.4 ²⁸⁷	19.44 ²⁸⁸	14.58 ²⁸⁹	18.36 ²⁹⁰	3,660 ²⁹¹
Stated Goal:	2.8-3.0 by December 2004 ²⁹²	N/A	18 ²⁹³	18 ²⁹⁴	18 ²⁹⁵	$6,000^{296}$

N/A= Not available

NOTE: Estimated domestic consumption of crude oil is 450,000 barrels per day.

NOTE: Kerosene imports began 5 October, 2003. All previous months cover only production

NOTE: LPG= Liquified Petroleum Gas

NOTE: The administration's post war estimate was that Iraq would accrue \$2-3 billion in oil revenues between June and December 2003. As of March 19 total crude oil export revenues since June exceeds \$5 billion. "Iraq Progress Report," *Department of Defense, Office of Public Affairs*, March 19, 2004.

ELECTRICITY 4/7/2004

		ricity Watts)
Time	Nation-wide	Baghdad
Estimated pre-war level	4,400 ²⁹⁷	2,500 ²⁹⁸
May	N/A	300 ²⁹⁹
June	3,193 ³⁰⁰	707 301
July	$3,236^{302}$	1,082 303
Aug.	3,263 ³⁰⁴	1,283 305
Sept.	3,543 ³⁰⁶	1,229 307
Oct.	3,948 ³⁰⁸	N/A
November	3,582 ³⁰⁹	N/A
December	3,408 ³¹⁰	N/A
January	3,725 ³¹¹	N/A
February	4,125 ³¹²	N/A
March	4,026 ³¹³	N/A
April	3,896 ³¹⁴	N/A
Stated Goal:	6,000 by June 2004 ³¹⁵	2,500 by October 2003

VALUE OF THE IRAQI DINAR (ID)

4/7/2004

Month	\$1 =ID
October 15	$2,000^{316}$
November	1,948 ³¹⁷
December	1,675 ³¹⁸
January	1,360 ³¹⁹
February	1,425 ³²⁰
March	1,415 ³²¹
April	1,425 ³²²

PORT CARGO CAPACITY AND COMMERCIAL AIRPORT DEPARTURES NATIONWIDE 1/23/2004

Time	Port cargo capacity (raw tonnage in millions) ³²³	Commercial aircraft departures nationwide (per day) ³²⁴
Pre-war	7	2-3
As of January 20	6.3	40
Stated goal for July 2004	7-8	200-300

NOTE: A nationwide currency exchange program was initiated on October 15, 2003 during which new Iraqi dinars were put in circulation and old currency was destroyed. The program was completed on January 20, 2004. The table above tracks the appreciation of the new currency since it was introduced.

WATER SUPPLY AND SEWAGE CAPACITY SINCE MAY

12/01/2003

Time	Potable water availability (millions of liters)	Sewage capacity (millions of liters)
Estimated pre-war level	12.9 ³²⁵	6.2 326
May	4.0327	N/A
June	13.4 ³²⁸	5.3 ³²⁹
November	21.3 ³³⁰	N/A

N/A= Not available

IRRIGATION 12/01/2003

Month	Irrigation canals in need of clearing (km)
May	20,000 ³³¹
September	5,000 ³³²
October	3,500 ³³³

TELECOMMUNICATIONS

4/5/2004

Time	Number of phones	Number of Internet connections
Estimated pre-war level	$1,100,000^{334}$	4,500 ³³⁵
September	850,000 ³³⁶	4,900 ³³⁷
March	984,225 ³³⁸	N/A
April	$1,045,000^{339}$	N/A
Goal for Jan 2004	$1,\!100,\!000^{340}$	50,000 ³⁴¹

LOCAL GOVERNANCE COUNCILS

2/18/2004

Month	Number of local governance councils
November	255 ³⁴²
December	255
January	N/A
February	318 ³⁴³

HOSPITALS RESTORED TO PRE-WAR LEVEL OF OPERATIONS

3/7/2004

Month	Hospitals restored to pre-war level of operations
March	90% ³⁴⁴

NOTE: "Probably 75% of the sewage in [Iraq] is going to the rivers," according to John Kluesener, manager for water, wastewater and irrigations systems for Iraq reconstruction. Ariana Eunjung Cha," Iraqi Experts Tossed With The Water," *Washington Post*, February 27, 2004.

NOTE: As of December 30 it is estimated that 60% of the Iraqi population has access to limited supplies of potable water. CPA/DoD aims to provide 75% of Iraqis with potable water by April 2005, and 11% of Iraqis with sewage services by March 2005.

NOTE: The irrigation canal program was concluded with more than 16,500 km cleared.

NOTE: Number of local governance councils includes city, district, sub-district and neighborhood councils.

NATIONWIDE UNEMPLOYMENT RATE SINCE MAY

3/3/2003

Month	Unemployment
	rate
	nationwide
May	N/A
June	60% ³⁴⁵
July	N/A
August	>50% ³⁴⁶
September	N/A
October	50% ³⁴⁷
November	N/A
December	N/A
January	45% ³⁴⁸
February	45% ³⁴⁹

N/A= Not available

NOTE: The Iraqi Ministry of Planning announced the unemployment rate to be 28% on March 15 but other estimates are much higher.

NOTE: The numbers referred to in the table is a very rough approximation of the employment situation in Iraq. As noted by Director of Employment, Fatin Al-Saeda, Iraqi Ministry of Labor and Social Affairs on October 22, 2003 "There are no employment statistics for Iraq." Department of Defense, "Assistant Secretary for Policy at the Department of Labor, Chris Spear briefs on Iraqi Minister Of Labor And Social Affairs," (http://www.defenselink.mil/transcripts/2003/tr20031022-0809.html {October 22, 2003]). Transcript. Estimates made by economists, however, generally range between 50-70%. There is an inherent difficulty in measuring the Iraqi rate of unemployment over time. Because recent estimates are likely to be more accurate than older ones, but also higher, this means that despite an improvement in the economic situation nationwide, the numbers give the impression that it is getting worse. Considering the increase in entrepreneurial activity after the end of the war, we have for the purposes of this database assumed that there has been an improvement in unemployment levels, and hence weighted information supporting such a conclusion heavier than contradictory data reports. Another factor contributing to a somewhat improved employment situation in Iraq is that some 395,000 jobs have been directly created by the Coalition Provisional Authority as of April 5, 2004. The target is to create 850,000 jobs. "Draft Working Papers: Iraq Status", Department of Defense, April 5, 2004.

POLLING

FEBRUARY: OXFORD RESEARCH INTERNATIONAL/BBC/ABC NEWS STUDY

IRAQI PERCEPTION OF OVERALL SITUATION

Month	How are things compared with a year ago? ³⁵⁰
February	Better: 56.5%
_	Worse: 18.6%

JANUARY: STATE DEPARTMENT STUDY OF IRAQ

GREATEST THREAT TO IRAQI CITIZENS

Type of threat	What is the greatest threat to yourself and your family? 351					
	Baghdad	Basrah	Mosul	Fallujah	Samarra	Karbala
Street crime	47%	63%	45%	42%	38%	22%
Street bombs	26%	20%	13%	11%	11%	19%
Large bombs such as those against Iraqi police stations and international organizations	9%	4%	6%	5%	3%	29%
Armed encounters between Iraqis and Coalition Forces and others	7%	4%	26%	26%	38%	9%
Armed encounters with religious or tribal militia	1%	1%			2%	2%
Revenge killings/Baath killings	3%	4%	3%	5%	1%	-
Financial extortion	1%	1%	2%	2%	_	4%
Sectarian war	6%	3%	1%	7%	4%	4%
Ethnic war	1%	-	1%	1%	1%	_

GREATEST THREAT TO IRAQ

Type of threat	What is the greatest threat to Iraq? ³⁵²					
	Baghdad	Basrah	Mosul	Fallujah	Samarra	Karbala
Street crime	8 %	11%	5%	13%	6%	15%
Street bombs	12%	16%	6%	7%	7%	10%
Large bombs such as those against Iraqi police stations and international organizations	25%	18%	6%	9%	2%	25%
Armed encounters between Iraqis and Coalition Forces and others	8%	9%	10%	17%	10%	15%
Armed encounters with religious or tribal militia	2%	2%	2%	-	3%	2%
Revenge killings/Baath killings	2%	3%	3%	1%	5%	1%
Financial extortion	1%	1%	2%	2%		4%
Sectarian war	31%	26%	36%	26%	45%	6%
Ethnic war	6%	2%	19%	11%	12%	2%
Outside threats	5%	13%	7%	11%	8%	6%

IRAQIS ON COALITION FORCES LEAVING

	If coalition forces left immediately, Iraqis would feel ³⁵³				
	More safe	Less safe	No difference		
Baghdad	November: 12%	November: 71%	November: 13%		
	January: 19%	January: 65%	January: 15%		
Basrah	November: 6%	November: 85%	November: 8%		
	January: 17%	January: 67%	January: 12%		
Mosul	January: 28%	January: 59%	January: 10%		
Fallujah	January: 56%	January: 29%	January: 12%		
Samarra	January: 54%	January: 41%	January: 2%		
Karbala	January: 24%	January: 50%	January:13%		
Kirkuk	November: 15%	November: 62%	November: 14%		
Hilla	November: 7%	November: 83%	November: 5%		
Diwaniya	November:13%	November: 83%	November: 1%		

PRIMARY RESPONSIBILITY FOR PROTECTING IRAQIS

	In the next six month	In the next six months, primary responsibility for protecting Iraqis from major security threats should be ³⁵⁴				
	Iraqi Armed Forces	Coalition forces	Joint Iraq-Coalition efforts			
Baghdad	50%	7%	42%			
Basrah	38%	8%	51%			
Mosul	58%	12%	27%			
Fallujah	71%	4%	19%			
Samarra	64%	9%	23%			
Karbala	50%	14%	26%			

PRIMARY RESPONSIBILITY FOR MAINTAINING LAW AND ORDER

	In the next six months, j	In the next six months, primary responsibility for maintaining law and order on Iraqi streets should be ³⁵⁵				
	Iraqi Armed Forces	Joint Iraq-Coalition efforts				
Baghdad	56%	6%	38%			
Basrah	53%	9%	35%			
Mosul	53%	10%	26%			
Fallujah	67%	4%	22%			
Samarra	71%	5%	20%			
Karbala	44%	2%	16%			

CONDITIONS FOR PEACE

	Over the last three months conditions for peace have 356				
	Improved	Worsened	No difference		
Baghdad	August: 22%	August: 53%	August: 24%		
_	January: 51%	January: 25%	January: 24%		
Basrah	August: 24%	August: 58%	August: 18%		
	January: 59%	January: 17%	January: 24%		
Mosul	January: 38%	January: 39%	January: 22%		
Fallujah	August: 25%	August: 63%	August: 10%		
	January: 33%	January: 44%	January: 23%		
Samarra	January: 34%	January: 43%	January: 22%		
Karbala	January: 27%	January: 61%	January: 10%		
Ramadi	August:16%	August: 66%	August: 17%		
Najaf	August: 15%	August: 71%	August: 10%		
Suleymania	August: 56%	August: 18%	August: 25%		
Erbil	August: 58%	August: 9%	August: 23%		

SAFETY IN IRAQI NEIGHBORHOODS

	How safe do you feel in your neighborhood? ³⁵⁷				
	Very safe	Not very safe	Not safe		
Baghdad	August: 24%	August: 50%	August: 26%		
	November: 31%	November: 56%	November: 12%		
	January: 46%	January: 42%	January: 11%		
Basrah	August: 24%	August: 58%	August: 17%		
	November: 18%	November: 68%	November: 12%		
	January: 31%	January: 57%	January: 11%		
Fallujah	August: 37%	August: 57%	August: 4%		
•	January: 61%	January: 27%	January:11%		
Mosul	January: 63%	January: 28%	January: 9%		
Samarra	January: 63%	January: 27%	January: 10%		
Karbala	January: 51%	January: 29%	January: 15%		
Kirkuk	November: 42%	November: 40%	November: 12%		
Hilla	November: 65%	November: 30%	November: 4%		
Diwaniya	November: 71%	November: 22%	November: 7%		
Najaf	August: 35%	August: 52%	August: 12%		
Ramadi	August: 41%	August: 44%	August: 14%		
Suleymania	August: 61%	August: 33%	August: 1%		
Erbil	August: 60%	August: 36%	August: 3%		

IRAQI CONFIDENCE IN INSTITUTIONS

		Do you feel very or somewhat confident in the following institution? ³⁵⁸					
	Iraq police	New Iraqi	Iraqi	Governing	CPA	Coalition	
		Army	ministries	Council		Forces	
Baghdad	82%	72%	60%	62%	42%	38%	
Basrah	89%	79%	64%	67%	41%	32%	
Mosul	80%	54%	43%	33%	31%	27%	
Fallujah	74%	52%	54%	27%	10%	10%	
Samarra	72%	35%	36%	30%	14%	18%	
Karbala	71%	55%	51%	57%	27%	20%	

EFFECIENCY OF COALITION FORCES

	Do y	Do you feel Coalition Forces are very effective in the following activities? ³⁵⁹					
	Keeping law and order in the streets	Tracking down criminals	Protecting Iraqis from major threats	Working cooperatively with Iraqi security forces	Protecting their forces and compounds		
Baghdad	21%	15%	32%	43%	63%		
Basrah	17%	11%	22%	27%	68%		
Mosul	21%	14%	33%	34%	60%		
Fallujah	5%	5%	13%	12%	31%		
Samarra	15%	12%	21%	27%	47%		
Karbala	16%	11%	18%	27%	55%		

LATER POLLING: STATE DEPARTMENT STUDY AND GALLUP POLLS

IRAQI PUBLIC OPINION NATIONWIDE AND BAGDHAD

1/12/2003

	Nationwide	Baghdad
Do you agree that in general, the local Iraqi police force is trusted by most members of the community? ³⁶⁰	Agree/somewhat agree: 77%	Agree/somewhat agree: 80%
Do you feel that the attacks emphasize the need for continued presence of Coalition Forces in Iraq? ³⁶¹	Agree: 66%	Agree: 61%
If coalition forces left immediately, would you feel more safe, less safe, or no difference? ³⁶²	More safe: 116 Less safe: 716 No difference: 106	% Less safe: 75%

BAGDHAD PUBLIC OPINION: EARLY FALL

12/08/2003

Question	Findings
Will Iraq be in a better condition five years from now than it was	Better off: 67%
before the U.Sled invasion? 363	Worse off: 8%
Is Iraq better off now than it was before the invasion? ³⁶⁴	Better off: 33%
	Worse off: 47%
Was ousting Saddam worth the hardships endured since the	Yes: 62%
invasion? ³⁶⁵	No: N/A
Would you like to see U.S. troops	Stay longer: 71%
stay longer than a few more months? ³⁶⁶	Not stay longer: 26%
Are there circumstances in which attacks against U.S. troops	No: 64%
can be justified? ³⁶⁷	Sometimes justified: 36%
Have you been afraid at times to go outside your home during the	Yes: 86%
day within the past four weeks?	No: N/A
Is Baghdad a more dangerous place now than before the	Yes: 94%
invasion? ³⁶⁹	No: N/A

N/A= Not available

1/9/2004

AMERICAN PUBLIC OPINION

Time period	Do you approve or disapprove of the way the George W. Bush is handling the situation with Iraq? ³⁷⁰
April 14-16	Approve: 76% Disapprove: 21% No opinion: 3%
June 12-15	Approve: 63% Disapprove: 34% No opinion: 3
July 7-9	Approve: 58% Disapprove: 39% No opinion: 3%
July 18-20	Approve: 57% Disapprove: 39% No opinion: 4%
July 25-27	Approve: 60 % Disapprove: 38% No opinion: 2%
August 25-26	Approve: 57% Disapprove: 41% No opinion: 2%
September 8-10	Approve: 51% Disapprove: 47% No opinion: 2%
October 6-8	Approve: 47% Disapprove: 50% No opinion: 3%
November 3-5	Approve: 45% Disapprove: 54% No opinion: 1%
December 5-7	Approve: 50% Disapprove: 47% No opinion: 3%
January 2-5	Approve: 61% Disapprove: 36% No opinion: 3%

- ¹ Monthly fatality figures from May 1, 2003- March 31, 2004 at "Operation Iraqi Freedom Casualty Summary by Month", *Directorate for Information Operations and Reports*, (web1.whs.osd.mil/mmid/casualty/castop.htm [April 12, 2004]). Fatality numbers from April 1 and onwards are reported as documented daily from "Operation Iraqi Freedom U.S. Casualty Status," *Department of Defense*.
- ² May 1- December 31, "Operation Iraqi Freedom Casualty Summary by Month", *Directorate for Information Operations and Reports*, (web1.whs.osd.mil/mmid/casualty/castop.htm [April 12, 2004]). Remaining months are documented daily from "Operation Iraqi Freedom U.S. Casualty Status," *Department of Defense, (www.defenselink.mil/news/*).
- ³ "Details of British Casualties," *Ministry of Defense*, (www.operations.mod.uk/telic/casualties.htm).
- ⁴ Kevin Johnson, "Attacks on Iraqi Police Increase," USA Today, March 28, 2004.
- ⁵ "Security Forces in Iraq," DoD Briefing Slides: 6 November 2003, Ratio of reserves to active forces derived from graph.
- ⁶ The monthly breakdown of casualties to Iraqi civilians is partly based on estimates made by Iraqbodycount, (www.iraqbodycount.org), and partly on assessment made by the author.
- ⁷ One American contractor killed of August 5. Theola Labbe and Rajiv Chandrasekaran, "Contractor Dies in Iraq Bomb Blast; Incident Is First Fatal Attack Reported Against a Private Employee," *Washington Post*, August 6, 2003. 22 United Nations employees, one American scholar and one Canadian aid worker killed on August 19. Neil McFarquhar, "Thousands at Burial for Slain Cleric," *New York Times*, September 3.
- ⁸ One British and American killed on October 26. Nationalities according to a CBS camera man. Theola Labbe and Vernon Loeb, "Wolfowitz Unhurt in Rocket Attack", *Washington Post*, October 26, 2003.
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- ¹¹ 4 American missionaries, one German and one Deutch contractor were killed. Jeffrey Gettleman,"2 Engineers Killed in Iraq in Latest Attack on Foreigners," *New York Times*, March 17, 2004. Two American civilians working for the Department of Defense reported killed on March 11, "Operation Iraqi Freedom U.S. Casualty Status, April 1. 2004Four American contractors killed on March 31. Sewell Chan, "U.S. Civilians Mutilated in Iraq Attack," *Washington Post*, April 1, 2004. Two Finnish business men killed on March 23. Sewell Chan and Anthony Shadid, "Two Finnish Businessmen Shot Dead in Iraqi Capital," *Washington Post*, March 23, 2004.
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- Iranian diplomat was killed the week of April 12. Edward Wong, "Iraqis Are Hoping for Early and Peaceful End to Shiite Insurrection," *New York Times*, April 16, 2004.

 ¹³Rajiv Chandrasekaran, "Car Bomb Kills 11 in Baghdad," *Washington Post*, August 8, 2003. One attack in front of the Jordanian Embassy on August 7. Theola Labbe, "Some Fear Blast at University Heralds New Face of Violence," *Washington Post*, September 6, 2003. An attack on UN
- headquarters on August 19. Neil McFarquhar, "Thousands at Burial for Slain Cleric," *New York Times*, September 3.

 14 Theola Labbe, "Some Fear Blast at University Heralds New Face of Violence," *Washington Post*, September 6, 2003. Attack on September 3. Ian Fisher, "Suicide Attacker Who Struck at U.N. Carried two Bombs," *New York Times*, September 23, 2003. Attack on September 22.
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