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Iraq Index ***Tracking Variables of*** ***Reconstruction & Security in Post-Saddam Iraq***

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SECURITY INDICATORS

U.S. TROOP FATALITIES SINCE MAY 1

1/9/2004

Month	U.S. troop losses since May 1, 2003¹		
	Fatalities (all kinds)	Fatalities in hostile incidents	Fatalities in non-hostile incidents
May	40	9	31
June	29	15	14
July	47	35	12
August	36	14	22
September	26	13	13
October	43	33	10
November	80	68	12
December	39	25	14
January	16	15	1
Total as of Jan. 9	356²	227³	129⁴

U.S TROOPS WOUNDED IN ACTION SINCE MAY 1

1/9/2004

Period	Wounded in action
May 1 – August 30	574⁵
September 1- December 31	1,256⁶
January 1- January 9	81⁷
Total	1,911

NOTE: From the start of the war on March 19 until the end of major combat operations on April 30, Operation Iraqi Freedom caused 138 American troop fatalities. Of those, 114 were the result of hostile action, and 24 the result of non-hostile action. 65 U.S. troops were killed in March. There were a total of 73 American fatalities in April, 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: 550 American troops were wounded in action between March 19 and April 30. The total number of American troops wounded in action does not include troops wounded in non-hostile incidents.

BRITISH TROOP FATALITIES SINCE MAY 1

1/9/2004

Month	U.K. troop fatalities since May 1, 2003 ⁸
May	4
June	6
July	1
August	5
September	2
October	1
November	1
December	0
January	3
Total as of Jan. 9	23⁹

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

1/7/2004

Month	Fatalities
May	0
June	0
July	0
August	2
September	1
October	2
November	24
December	9
January	0
Total as of Jan. 9	38

CASUALTIES TO IRAQI SECURITY FORCES

12/08/2003

Total number of Iraqi security forces killed As of December 7	Total number of Iraqi security forces wounded in action As of November 4
107 ¹⁰	182 ¹¹

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, Nov 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.

NOTE: The estimate of casualties to Iraqi security forces is a very rough one.

COALITION TROOP STRENGTH IN IRAQ SINCE MAY

12/31/2003

Month	U.S. troops in Iraq			Other troops in Iraq (excluding U.S & Iraqi forces)	Total international troop strength in Iraq
	Active	Reserve	Total		
May	~142,000 ¹²	~8,000 ¹³	150,000 ¹⁴	23,000 ¹⁵	173,000
June	~126,000 ¹⁶	~24,000 ¹⁷	150,000 ¹⁸	21,000 ¹⁹	171,000
July	~124,000 ²⁰	~25,000 ²¹	149,000 ²²	21,000 ²³	170,000
August	~114,000 ²⁴	~25,000 ²⁵	139,000 ²⁶	22,000 ²⁷	161,000
September	~103,000 ²⁸	~29,000 ²⁹	132,000 ³⁰	24,000 ³¹	156,000
October	~102,000 ³²	~29,000 ³³	131,000 ³⁴	25,000 ³⁵	156,000
November	N/A	N/A	123,000 ³⁶	23,900 ³⁷	146,900
December	~85,400 ³⁸	~36,600 ³⁹	122,000 ⁴⁰	24,500 ⁴¹	146,500

N/A= Not available

NOTE: All numbers are end of month estimates.

**DAILY ATTACKS ON U.S. TROOPS &
REWARD FOR ATTACKING U.S. TROOPS SINCE MAY**

1/7/2004

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 ⁴²
June	6 ⁴³	N/A
July	N/A	N/A
August	15 ⁴⁴	N/A
September	50 ⁴⁵	N/A
October	30-35 ⁴⁶	1,000-2,000/ 3,000-5,000 ⁴⁷
November	22 ⁴⁸	N/A
December	15 ⁴⁹	500/3,000 ⁵⁰
January	22 ⁵¹	N/A

N/A= Not available

**U.S FORCES ABILITY TO DISCOVER HIDDEN EXPLOSIVE DEVICES BEFORE DETONATION
SINCE LATE SPRING/EARLY SUMMER**

12/9/2003

Time	Explosive devices that are discovered by U.S. troops before detonation
Late spring/ early summer	10-15 % ⁵²
December	75% ⁵³

**ACCURACY OF INTELLIGENCE LEADS PROVIDED TO U.S. FORCES
SINCE LATE SPRING/EARLY SUMMER**

12/9/2003

Month	Accuracy of intelligence leads
Late spring/ early summer	50% ⁵⁴
December	90% ⁵⁵

NOTE: The number of daily attacks against American soldiers in Tikrit has dropped to 6 compared to 22 in November according to a statement made by Maj. Gen. Raymond T. Odierno on December 11.

ATTACKS ON IRAQI PIPELINES, OIL INSTALLATIONS, AND OIL PERSONNEL SINCE JUNE

1/9/2004

Month	Number of attacks ⁵⁶
June	6
July	2
August	3
September	2
October	4
November	9
December	9
January	1
Total	35

CIVILIANS KILLED BY U.S. TROOPS IN BAGHDAD SINCE MAY 1

12/01/2003

Month	Civilians in Baghdad killed in questionable circumstances by U.S. troops ⁵⁷
May	11
June	24
July	20 ⁵⁸
August	27 ⁵⁹
September	12 ⁶⁰

FOREIGN CIVILIANS KILLED IN IRAQ SINCE MAY

1/7/2003

Month	Foreign civilians killed in Iraq
May	0
June	0
July	0
August	25
September	0
October	3
November	7
As of January 7	5
Total	40

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 by gunshots. On November 22 an Iraqi police colonel in charge of oil installation security was shot and killed. Both incidents took place in the city of Mosul.

NOTE: The estimate of civilians in Baghdad that has been killed by U.S. troops since May is a very rough one and no information has been made available by Human Rights Watch since September. The Associated Press reports that 3,240 civilians were killed in Iraq between March 20 and April 20, but adds that since only 50% of Iraqi hospitals were surveyed, the real number is believed to be much higher.

NOTE: One American civilian defense contractor was killed by a car bomb on August 6. 22 United Nations employees, one American scholar, and one Canadian aid worker died in the bombing on the United Nations headquarters in Baghdad on August 19. One British and one American civilian were killed in an attack on October 25. One International Committee of the Red Cross employee died in the October 27 bombing. November 12, 2 Italian civilians were killed by a truck bomb at the Italian military police headquarters. During the same month, 2 Japanese diplomats, 1 Columbian civilian defense contractor and two South Korean electrical workers were also killed. 3 American journalists were killed by a car bomb on January 1. Two French civilians were killed on Jan 6.

NOTE: Due to the lack of detailed and comprehensive data on Iraqi civilians killed in attacks by insurgents we are unable to create a similar table for this category at present.

BAATHIST LEADERS STILL AT LARGE SINCE APRIL

1/4/2004

Month	Iraqi 55 most wanted: Individuals still at large⁶¹
April	40
May	28
June	23
July	18
August	16
September	15
October	15
November	15
December	13⁶²
January	13⁶³

NOTE: There are slightly different estimates as to how many people in the deck of cards are still at large, and we will continue to update this table as more information becomes available. Statements by Secretary of Defense Rumsfeld suggest only 10 individuals remaining. The January figures stated in table is the most updated, as reported by CPA on January 4.

NOTE: Saddam Hussein was captured on December 13.

PRESENCE OF ENEMY COMBATANTS NATIONWIDE

1/7/2003

Month	Estimated presence of enemy combatants nationwide
January	5000 ⁶⁴

SUSPECTED INSURGENTS DETAINED OR KILLED SINCE MAY

1/5/2003

Time	Estimated numbers of suspected insurgents detained or killed
May	1000 ⁶⁵
June	1000 ⁶⁶
July	1000 ⁶⁷
August	1000 ⁶⁸
September	750 ⁶⁹
October	750 ⁷⁰
November	750 ⁷¹
December	1000 ⁷²
January	~2000 ⁷³

NOTE: “Over 90 percent” of the enemy combatants are Baath Party loyalists, according to a statement by John E. McLaughlin, Deputy Director of Central Intelligence, on January 9.

NOTE: As of January 5, 14 cells, each consisting of 20-100 enemy combatants are believed to be actively operating in Baghdad. 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.

NOTE: The numbers for suspected insurgents killed or detained in January is not a monthly total, but the projected total given the current daily pace.

NOTE: About 9,000 people are in coalition custody as of January 7, 506 of which will be released within the next couple of weeks.

IRAQI SECURITY FORCES ON DUTY SINCE MAY

1/7/2003

Month	Iraqi security forces on duty					
	Police	Civil Defense Corps	Army	Border patrol	Facilities protection services	Total Iraqi security forces
May	7,000-9,000 ⁷⁴	N/A	0	N/A	N/A	N/A
June	N/A	N/A	0	N/A	N/A	N/A
July	30,000 ⁷⁵	N/A	0	N/A	11,000 ⁷⁶	N/A
August	34,000 ⁷⁷	670 ⁷⁸	0	2,500 ⁷⁹	N/A	N/A
September	37,000 ⁸⁰	2,500 ⁸¹	0	4,700 ⁸²	>12,000 ⁸³	56,200
October	55,000 ⁸⁴	4,700 ⁸⁵	700 ⁸⁶	6,400 ⁸⁷	18,700 ⁸⁸	85,500
November	68,800 ⁸⁹	12,700 ⁹⁰	900 ⁹¹	12,400 ⁹²	52,700 ⁹³	147,500
December	71,600 ⁹⁴	15,200 ⁹⁵	400 ⁹⁶	12,900 ⁹⁷	65,200 ⁹⁸	165,300
January	71,600 ⁹⁹	16,300 ¹⁰⁰	400 ¹⁰¹	12,800 ¹⁰²	97,200 ¹⁰³	198,300
Stated goal	71,000 ¹⁰⁴	40,000 ¹⁰⁵	40,000 ¹⁰⁶	25,700 ¹⁰⁷	50,000 ¹⁰⁸	226,700

N/A= Not available

NOTE: All numbers are end of month estimates, except for January.**NOTE:** On December 13 it was reported that approximately 480 of the 900 soldiers in the first army battalion trained since May 1 were resigning, largely due to allegations of insufficient pay.**NOTE:** The army under Saddam was 400,000 troops strong.

IRAQI SECURITY FORCES IN TRAINING SINCE AUGUST**12/31/2003**

Month	Iraqi security forces in training					
	Police	Civil Defense Corps	Army	Border patrol	Facilities protect. services	Total
August	N/A	1,200 ¹⁰⁹	N/A	500 ¹¹⁰	N/A	N/A
September	N/A	N/A	N/A	N/A	N/A	N/A
October	N/A	N/A	1000 ¹¹¹	N/A	N/A	6,400 ¹¹²
November	100 ¹¹³	1,500 ¹¹⁴	600 ¹¹⁵	200 ¹¹⁶	400 ¹¹⁷	2,800 ¹¹⁸
December	600 ¹¹⁹	3,100 ¹²⁰	1,500 ¹²¹	200 ¹²²	0	5,400 ¹²³

N/A= Not available

NOTE: All numbers are end of month estimates.

CRIME-RELATED DEATHS IN BAGHDAD SINCE MAY

12/06/2003

Month	Annualized homicide rate as per 100,000 citizens (For comparison Washington DC rate: 45.82 ¹²⁴)
May	100
June	135
July	160
August	190
September	190
October	190
November	190
December	180

N/A= Not available

NOTE: The numbers of homicides in Baghdad are the authors' very rough estimates based primarily on reports of crime-related deaths by the Baghdad Central Morgue. (In addition, we employ anecdotal evidence of a poor security environment, such as descriptions offered by Kenneth Pollack, Research Director for Brookings Saban Center for Middle East Policy, at a Brookings Briefing event on Iraq December 2, 2003.) It should be noted that the numbers of bodies in the Baghdad morgue are equated with the homicide rate, although only 50-70% of the deaths reported by the Baghdad Morgue were due to bullet wounds, and hence assumed to be crime-related. Having said that, many bodies in Baghdad and other parts of Iraq, homicide victims and others, never make it to the morgue partly because funerals and burials tend to be so quick and private in much of Iraq. Moreover, some deaths not related to gunshots may be the result of homicides as well. Although using the number of bodies in the morgue as a proxy for the homicide rate over-counts in some ways, and undercounts in others, these mistakes may roughly balance out. But the data may be inaccurate by a factor of 1.5 to 1 or 2 to 1. The homicide rate is calculated based on an estimated population of 5.6 million people in Baghdad.

NOTE: Because Baghdad represents roughly 1/5 of the Iraqi population, Iraq's nationwide murder rate would be at least 35/100,000 citizens as of December according to our numbers. 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.

NOTE: Despite a generally poor security situation in Baghdad, there are indicators suggesting that the situation is improving somewhat. According to a statement made by Brig. Gen. Mark Hurling, assistant commander, 1st Armored Division, Baghdad, on December 6, "we continue to see a decrease in crime (especially as we put more Iraqi Police and ICDC [Iraqi Civil Defense Corps] on the streets.)"

ECONOMIC & QUALITY OF LIFE INDICATORS

IRAQI NATIONAL DEBT: CREDITORS

11/6/2003

Creditor country/ creditor by country of origin and interest	Outstanding amounts due by Iraq (millions of dollars)
<i>Australia</i>	499.3 ¹²⁵
<i>Austria</i>	813.1 ¹²⁶
<i>Belgium</i>	184.5 ¹²⁷
<i>Brazil</i>	192.9 ¹²⁸
<i>Canada</i>	564.2 ¹²⁹
<i>Denmark</i>	30.8 ¹³⁰
<i>Finland</i>	152.2 ¹³¹
<i>France</i>	2,993.7 ¹³²
<i>Germany</i>	2,403.9 ¹³³
<i>Italy</i>	1,726 ¹³⁴
<i>Japan</i>	4,108.6 ¹³⁵
<i>Netherlands</i>	96.7 ¹³⁶
<i>Republic of Korea</i>	54.7 ¹³⁷
<i>Russian Federation</i>	3,450 ¹³⁸
<i>Spain</i>	321.2 ¹³⁹
<i>Sweden</i>	185.8 ¹⁴⁰
<i>Switzerland</i>	117.5 ¹⁴¹
<i>United Kingdom</i>	930.8 ¹⁴²
<i>United States</i>	2,192 ¹⁴³
Egypt and others	N/A
Poland	500 ¹⁴⁴
Kuwait	17,000 ¹⁴⁵
Bulgaria	1,000 ¹⁴⁶
Hungary	16.5 ¹⁴⁷
Gulf States	30 ¹⁴⁸
Morocco	31.8 ¹⁴⁹
Jordan	295 ¹⁵⁰
Turkey	800 ¹⁵¹
Interest (as of 2002)	47,000 ¹⁵²
Total	~117,660

N/A= Not available.

NOTE: Debt towards Paris Club countries, Russia and the Republic of Korea (marked as cursive in table) 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

Country or Institution	Amount pledged (grants and/or loans) (millions of \$)	Form and division of pledge Grants/Loans (millions of \$)
Australia	85.8 ¹⁵³	Grants
Belgium	5.6 ¹⁵⁴	Grants
Canada	244.1 ¹⁵⁵	Grants
China	24 ¹⁵⁶	Grants
Czech Republic	19 ¹⁵⁷	Grants
Denmark	43 ¹⁵⁸	Grants
European Union	233 ¹⁵⁹	Grants
Finland	5.9 ¹⁶⁰	Grants
Germany	27.4 ¹⁶¹	Grants
International Monetary Fund	2,500-4,250 ¹⁶²	Loans
Italy	200 ¹⁶³	Grants
Japan	5,000 ¹⁶⁴	1,500 grants & 3,500 loans ¹⁶⁵
Kuwait	500 ¹⁶⁶	Grants
Lithuania	.560 ¹⁶⁷	Grants
Netherlands	21 ¹⁶⁸	Grants
New Zealand	5 ¹⁶⁹	Grants
Norway	30 ¹⁷⁰	Grants
Oman	3 ¹⁷¹	Grants
Pakistan	3.3 ¹⁷²	Grants
Philippines	1 ¹⁷³	Grants
Russia	8 ¹⁷⁴	Grants
Saudi Arabia	500 ¹⁷⁵	Loans
Singapore	1.7 ¹⁷⁶	Grants
Slovakia	0.29 ¹⁷⁷	Grants
South Korea	260 ¹⁷⁸	Grants
Spain	300 ¹⁷⁹	Grants
Sweden	30 ¹⁸⁰	Grants
Switzerland	15 ¹⁸¹	Grants
Taiwan	4.3 ¹⁸²	Grants
Thailand	.283 ¹⁸³	Grants
Turkey	5 ¹⁸⁴	Grants
United Arab Emirates	215 ¹⁸⁵	Grants
United Kingdom	847 ¹⁸⁶	Grants
United States	18,600 ¹⁸⁷	Grants
World Bank	3,000-5,000 ¹⁸⁸	Loans
Total	~32,740 - 36,490	Grants & Loans
	~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 ¹⁸⁹	56,000 ¹⁹⁰	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 also Iraq \$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.

ELECTRICITY AND FUEL

1/7/2004

Time	Electricity (Mega Watts)		Fuel supplies available to the Iraqi population					
	Nation-wide	Baghdad	(Millions of barrels/day)		(Millions of liters/day)			(Tons/day)
			Crude oil production	Crude export	Diesel (Prod. & Imp.)	Kerosene (Prod. & Imp.)	Gasoline/Benzene (Prod. & Imp.)	Total LPG (Prod. & Imp.)
Estimated pre-war level	4,400 ¹⁹¹	2,500 ¹⁹²	2.8-3.0 ¹⁹³	1.7-2.5 ¹⁹⁴	N/A	N/A	N/A	N/A
May	N/A	300 ¹⁹⁵	0.3 ¹⁹⁶	N/A	N/A	N/A	N/A	N/A
June	3,193 ¹⁹⁷	707 ¹⁹⁸	0.675 ¹⁹⁹	0.2 ²⁰⁰	N/A	N/A	N/A	N/A
July	3,236 ²⁰¹	1,082 ²⁰²	0.925 ²⁰³	0.322 ²⁰⁴	6.5 ²⁰⁵	4.75 ²⁰⁶	13.5 ²⁰⁷	1,880 ²⁰⁸
Aug.	3,263 ²⁰⁹	1,283 ²¹⁰	1.445 ²¹¹	0.646 ²¹²	10.25 ²¹³	6.2 ²¹⁴	14.0 ²¹⁵	2,530 ²¹⁶
Sept.	3,543 ²¹⁷	1,229 ²¹⁸	1.7225 ²¹⁹	0.983 ²²⁰	14.25 ²²¹	6.9 ²²²	17.3 ²²³	3,030 ²²⁴
Oct.	3,948 ²²⁵	N/A	2.055 ²²⁶	1.149 ²²⁷	14.75 ²²⁸	9.6 ²²⁹	16.35 ²³⁰	3,700 ²³¹
November	3,582 ²³²	N/A	2.1 ²³³	1.535 ²³⁴	13.14 ²³⁵	13.3 ²³⁶	11.792 ²³⁷	4,725 ²³⁸
December	3,408 ²³⁹	N/A	2.21 ²⁴⁰	1.6 ²⁴¹	12.29 ²⁴²	8.8 ²⁴³	12.51 ²⁴⁴	3,006 ²⁴⁵
January	3,710 ²⁴⁶	N/A	2.07 ²⁴⁷	1.7 ²⁴⁸	11.34 ²⁴⁹	8.82 ²⁵⁰	11.34 ²⁵¹	2,275 ²⁵²
Stated Goal:	6,000 by Summer 2004 ²⁵³	2,500 by October 2003	2.8-3.0 by December 2004 ²⁵⁴	N/A	18 ²⁵⁵	18 ²⁵⁶	18 ²⁵⁷	6,500 ²⁵⁸

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= Liquefied Petroleum Gas

NOTE: The administration estimated that Iraq would accrue \$2-3 billion in oil revenues between June and December 2003. It is not known at present whether this goal has been met.

WATER SUPPLY AND SEWAGE COVERAGE SINCE MAY

12/01/2003

Time	Potable water availability (millions of liters)	Sewage system coverage (millions of liters)
Estimated pre-war level	12.9 ²⁵⁹	6.2 ²⁶⁰
May	4.0 ²⁶¹	N/A
June	13.4 ²⁶²	5.3 ²⁶³
November	21.3 ²⁶⁴	N/A

N/A= Not available

IRRIGATION

12/01/2003

Month	Irrigation canals in need of clearing (km)
May	20,000 ²⁶⁵
September	5,000 ²⁶⁶
October	3,500

TELECOMMUNICATIONS

12/01/2003

Time	Number of telecom connections		
	Landline	Wireless	Internet
Estimated pre-war level	1,100,000 ²⁶⁷	0 ²⁶⁸	4,500 ²⁶⁹
September	850,000 ²⁷⁰	0 ²⁷¹	4,900 ²⁷²
Goal for Jan 2004	1,100,000 ²⁷³	50,000 ²⁷⁴	50,000 ²⁷⁵

LOCAL GOVERNANCE COUNCILS

12/01/2003

Month	Number of local governance councils
November	255 ²⁷⁶
December	255

VALUE OF THE NEW IRAQI DINAR (NID)

1/02/2004

Month	The equivalent of \$1 in NID ²⁷⁷
November	1,948
December	1,675

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.

NATIONWIDE UNEMPLOYMENT RATE SINCE MAY

12/01/2003

Month	Unemployment rate nationwide
May	N/A
June	60% ²⁷⁸
July	N/A
August	>50% ²⁷⁹
September	N/A
October	50% ²⁸⁰
November	N/A
December	N/A

N/A= Not available

NOTE: The number referred to in the table is a very rough approximation of the employment situation in Iraq. As noted by Director of Employment, Fatin Al-Saada, Iraqi Ministry of Labor and Social Affairs on October 23, 2003 “There are no employment statistics for Iraq.” 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.

NOTE: The unemployment rate in Tikrit, Saddam Hussein’s hometown and a bastion of anti-American resistance, is estimated to be 50%.

POLLING

BAGHDAD PUBLIC OPINION: EARLY FALL

12/08/2003

Question	Findings
Will Iraq be in a better condition five years from now than it was before the U.S.-led invasion? ²⁸¹	Better off: 67% Worse off: 8%
Is Iraq better off now than it was before the invasion? ²⁸²	Better off: 33% Worse off: 47%
Was ousting Saddam worth the hardships endured since the invasion? ²⁸³	Yes: 62% No: N/A
Would you like to see U.S. troops stay longer than a few more months? ²⁸⁴	Stay longer: 71% Not stay longer: 26%
Are there circumstances in which attacks against U.S. troops can be justified? ²⁸⁵	No: 64% Sometimes justified: 36%
Have you been afraid at times to go outside your home during the day within the past four weeks? ²⁸⁶	Yes: 86% No: N/A
Is Baghdad a more dangerous place now than before the invasion? ²⁸⁷	Yes: 94% No: N/A

N/A= Not available

NOTE: The Gallup polls cited are of 1,178 adults and were conducted between August 8 and September 4. They both have a margin of error of plus or minus 3 percentage points.

NOTE: According to Gallup's director of international polling, only 8% of Baghdadis expressed a fear of going out side for safety reasons two months prior to the war.

AMERICAN PUBLIC OPINION: APRIL-JANUARY

1/9/2004

Time period	Do you approve or disapprove of the way the George W. Bush is handling the situation with Iraq?²⁸⁸
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

NOTE: The sampling error of this USA Today/CNN/Gallup poll is +/-3 %.

¹“Forces: U.S. & Coalition/Casualties” *CNN Special Report: Iraq*, (<http://edition.cnn.com/SPECIALS/2003/iraq/forces/casualties/>). Monthly estimates from May to October based on a totally tally of fatalities listed on website. Remaining months are documented daily from “Operation Iraqi Freedom U.S. Casualty Status,” *Department of Defense*.

² *Ibid.*

³ *Ibid.*

⁴ *Ibid.*

⁵ Vernon Loeb, “In Iraq, Pace of U.S. Casualties Has Accelerated,” *Washington Post*, December 28, 2003.

⁶ Numbers derived at by author based on data found in Vernon Loeb, “In Iraq, Pace of U.S. Casualties Has Accelerated,” *Washington Post*, December 28, 2003, and “Operation Iraqi Freedom U.S. Casualty Status,” *Department of Defense*.

⁷ Derived by data provided in “Operation Iraqi Freedom U.S. Casualty Status,” *Department of Defense*.

⁸ “Details of British Casualties,” *Ministry of Defense*, (<http://www.operations.mod.uk/telic/casualties.htm>).

⁹ *Ibid.*

¹⁰ Thom Shanker, “Rumsfeld, On the Ground in Iraq, Gets A Report on Progress Against the Insurgency,” *New York Times*, December 7, 2003. Estimate made by Mr. Rumsfeld.

¹¹ “Security Forces in Iraq,” *DoD Briefing Slides: 6 November 2003*, Ratio of reserves to active forces derived from graph.

¹² *Ibid.*

¹³ *Ibid.*

¹⁴ *Ibid.*

¹⁵ *Ibid.*

¹⁶ *Ibid.*

¹⁷ *Ibid.*

¹⁸ *Ibid.*

¹⁹ *Ibid.*

²⁰ *Ibid.*

²¹ *Ibid.*

²² *Ibid.*

²³ *Ibid.*

²⁴ *Ibid.*

²⁵ *Ibid.*

²⁶ *Ibid.*

²⁷ Draft Working Papers: Iraq Status”, *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD.

²⁸ “Security Forces in Iraq,” *DoD Briefing Slides: 6 November 2003*. Ratio of reserves to active forces derived from graph.

²⁹ *Ibid.*

³⁰ Draft Working Papers: Iraq Status”, *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD.

³¹ *Ibid.*

³² “Security Forces in Iraq,” *DoD Briefing Slides: 6 November 2003*. Ratio of reserves to active forces derived from graph.

³³ *Ibid.*

³⁴ Draft Working Papers: Iraq Status”, *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD.

³⁵ *Ibid.*

³⁶ “Draft Working Papers: Iraq Status,” *Department of Defense*, 15 December 2003. Unclassified. Provided to the author by contacts at DoD.

³⁷ *Ibid.*

³⁸ Robert T. Worth, “National Guard at War at Home to Prepare for Real Thing in Iraq,” *New York Times*, December 27, 2003. Numbers appreciated as 70% of the American troop strength in Iraq, based the article statement that 30% of American troops are reservists and in the National Guard.

³⁹ *Ibid.* Include reservists and National Guard.

⁴⁰ “Draft Working Papers: Iraq Status,” *Department of Defense*, 30 December 2003. Unclassified. Provided to the author by contacts at DoD.

⁴¹ *Ibid.*

⁴² Raymond Bonner and Joel Brinkley, “The Struggle for Iraq: The Attackers; Latest Attacks Underscore Differing Intelligence Estimates of Strength of Foreign Guerillas,” *New York Times*, October 28, 2003.

⁴³ John F. Burns, “General Vows to Intensify U.S Response to Attackers,” *New York Times*, November 12, 2003. Estimate as cited by Lt. General Ricardo Sanchez.

⁴⁴ John F. Burns, “General Vows to Intensify U.S Response to Attackers,” *New York Times*, November 12, 2003. Estimate as cited by Lt. General Ricardo Sanchez.

⁴⁵ Sameer N. Yacoub, “Coordinated Rebel Attacks in Iraq Kill 13, Injure At Least 172,” *Associated Press*, December 27, 2003.

⁴⁶ John F. Burns, “General Vows to Intensify U.S Response to Attackers,” *New York Times*, November 12, 2003. Estimate as cited by Lt. General Ricardo Sanchez.

⁴⁷ Raymond Bonner and Joel Brinkley, “The Struggle for Iraq: The Attackers; Latest Attacks Underscore Differing Intelligence Estimates of Strength of Foreign Guerillas,” *New York Times*, October 28, 2003.

⁴⁸ Dexter Filkins, “7 Spanish Agents and 2 Japanese are Slain in Iraq,” *New York Times*, November 30, 2003.

⁴⁹ Sameer N. Yacoub, “Coordinated Rebel Attacks in Iraq Kill 13, Injure At Least 172,” *Associated Press*, December 27, 2003.

⁵⁰ Eric Schmitt, “A Region Inflamed: The Military; General Says Cash and Arms are Cut Off in Iraqi Hotbed,” *New York Times*, December 13, 2003. As stated by Maj. General Raymond Odierno.

⁵¹ CJTF and Coalition Provisional Authority Update, January 4, 2004. *CJTF7*. Statement by Brig. Gen. Mark Kimmit. Since the majority of attacks are on American troops according to Senior Pentagon officials, the estimated daily attacks on coalition troops that Gen. Kimmit refers to can be interpreted as equal to attacks on American troops.

⁵² Bradley Graham, “Touring Iraq, Rumsfeld Gets Upbeat Assessment: Commanders Outline Progress on Security,” *Washington Post*, December 7, 2003. Estimate by Maj. Gen. Raymond Odierno.

⁵³ *Ibid.*

⁵⁴ Bradley Graham, “Touring Iraq, Rumsfeld Gets Upbeat Assessment: Commanders Outline Progress on Security,” *Washington Post*, December 7, 2003. Estimate by Maj. Gen. Raymond Odierno.

⁵⁵ Ibid.

⁵⁶ "Iraq Pipeline Watch," Institute for the Analysis of Global Security, December 29, 2003. (<http://www.iags.org/iraqpipelinewatch.htm>).

⁵⁷ "Hearts and Minds: Post-War Civilian Deaths in Baghdad Caused by U.S. Forces: Exported Civilian Deaths in Baghdad, May 1-September 30," Appendix I.p. 49, *Human Rights Watch*, Report, October 2003 Vol. 15. No. 9.

⁵⁸ "Hearts and Minds: Post-War Civilian Deaths in Baghdad Caused by U.S. Forces: Exported Civilian Deaths in Baghdad, May 1-September 30," Appendix I.p. 49, *Human Rights Watch*, Report, October 2003 Vol. 15. No. 9. Two of the deaths included in July are based on complaints filed with police during that month.

⁵⁹ "Hearts and Minds: Post-War Civilian Deaths in Baghdad Caused by U.S. Forces: Exported Civilian Deaths in Baghdad, May 1-September 30," Appendix I.p. 49, *Human Rights Watch*, Report, October 2003 Vol. 15. No. 9. One death included in August is based on a complaint filed with the police during that month.

⁶⁰ Ibid. One death included in September is based on a complaint filed with the police during that month. Two undated deaths have been included in this month's casualty toll.

⁶¹ Data up until September 19 based on "Iraqi 55 Most Wanted List," *United States Central Command*, (http://www.centcom.mil/Operations/Iraqi_Freedom/55mostwanted.htm).

⁶² The source of individuals remaining as of December is based on reports from the Associated Press, "\$1 Million Rewards Offered for Last of Iraqi Fugitives," *Chicago Tribune*, December 28, 2003.

⁶³ CJTF and Coalition Provisional Authority Update, January 4, 2004. *CJTF7*. As stated by CPA Senior Advisor Dan Senor.

⁶⁴ Patrick J. MacDonnel, "Information Is Flowing After Hussein's Arrest," *Los Angeles Times*, January 5, 2004. Monthly numbers based on a daily average of 83, as stated by Brig. Gen. Mark Kimmit.

⁶⁵ Estimates by author based on Pentagon briefings.

⁶⁶ Ibid.

⁶⁷ Ibid.

⁶⁸ Ibid.

⁶⁹ Ibid.

⁷⁰ Ibid.

⁷¹ Estimates by author based on Pentagon briefings. During the last week of November U.S. military detained 180 suspected insurgents. (Source: Dexter Filkins, "7 Spanish Agents and 2 Japanese are Slain in Iraq," *New York Times*, November 30, 2003.) U.S. forces also killed 46 suspected insurgents on Sunday, November 30. (Source: Alan Sipress, "U.S. Forces Kill Dozens After Iraq Ambushes," *Washington Post*, December 1, 2003).

⁷² Estimates by author based on Pentagon briefings and in lieu of Saddam's capture and the aftermaths.

⁷³ Patrick J. MacDonnel, "Information Is Flowing After Hussein's Arrest," *Los Angeles Times*, January 5, 2004. Monthly numbers based on a daily average of 83, as stated by Brig. Gen. Mark Kimmit.

⁷⁴ Scott Wilson, "Bremer Shifts Focus to New Iraqi Economy; U.S. Occupation Chief Cites Progress on Restoring Order," *Washington Post*, May 27, 2003.

⁷⁵ "CPA Daily; Key Facts Security 17 July 2003," *Coalition Provisional Authority*. (www.cpa-iraq.org).

⁷⁶ "Results in Iraq: 100 days Toward Security and Freedom," Highlights of the Renewal of Iraq and the End of Saddam's Regime," *Coalition Provisional Security*, August 8, 2003.

⁷⁷ Ibid.

⁷⁸ Lt. General Ricardo Sanchez, Commander, Coalition Ground Forces, Baghdad, Iraq. Briefing, September 4, 2003. *Coalition Provisional Authority* (www.cpa-iraq.org).

⁷⁹ Paul L. Bremer III, U.S. Presidential Special Envoy to Iraq. Briefing. Baghdad, Iraq. *Coalition Provisional Authority*, August 23, 2003.

⁸⁰ Alex Berenson, "The Struggle for Iraq: Security Force; Iraqis' New Army Gets Slow Start," *New York Times*, September 21, 2003.

⁸¹ Lt. General Ricardo Sanchez, Commander, Coalition Ground Forces, Baghdad, Iraq. Briefing, September 4, 2003, *Coalition Provisional Authority*, (www.cpa-iraq.org).

⁸² John Banusiewicz, "Bush Cites 'Steady Progress' in Iraq," *American Forces Information Services*, October 5, 2003.

⁸³ Ibid.

⁸⁴ 21 Oct 2003 Update: Iraq: Fact Sheet: Security," *Joint Staff & Coalition Provisional Authority*, provided to the author through contacts at the DoD. Unclassified.

⁸⁵ Ibid.

⁸⁶ Ibid.

⁸⁷ Ibid.

⁸⁸ "21 Oct 2003 Update: Iraq: Fact Sheet: Security," *Joint Staff & Coalition Provisional Authority*, provided to the author through contacts at the DoD. Unclassified.

⁸⁹ "Draft Working Papers: Iraq Status," *Department of Defense*, 24 November 2003. Unclassified. Provided to the author by contacts at DoD.

⁹⁰ "Draft Working Papers: Iraq Status," *Department of Defense*, 24 November 2003. Unclassified. Provided to the author by contacts at DoD.

⁹¹ Ibid.

⁹² Ibid.

⁹³ Ibid.

⁹⁴ "Draft Working Papers: Iraq Status," *Department of Defense*, December 30 2003. Unclassified. Provided to the author by contacts at DoD.

⁹⁵ Ibid.

⁹⁶ Ibid.

⁹⁷ Ibid.

⁹⁸ "Draft Working Papers: Iraq Status," *Department of Defense*, December 30 2003. Unclassified. Provided to the author by contacts at DoD.

⁹⁹ "Draft Working Papers: Iraq Status," *Department of Defense*, 5 January, 2004. Unclassified. Provided to the author by the CPA/DoD.

¹⁰⁰ Ibid.

¹⁰¹ Ibid.

¹⁰² Ibid.

¹⁰³ Ibid.

¹⁰⁴ "Draft Working Papers: Iraq Status," *Department of Defense*, December 30 2003. Unclassified. Provided to the author by contacts at DoD.. Does not state when goal should be reached.

¹⁰⁵ Ibid. Does not state when goal should be reached.

¹⁰⁶ Ibid. Does not state when goal should be reached.
¹⁰⁷ Ibid. Does not state when goal should be reached.
¹⁰⁸ Ibid. Does not state when goal should be reached.
¹⁰⁹ Lieutenant General Ricardo Sanchez, Commander, Coalition Ground Forces, Baghdad, Iraq. Briefing, September 4, 2003, *Coalition Provisional Authority*, (www.cpa-iraq.org).
¹¹⁰ Ibid.
¹¹¹ "First Battalion of New Iraqi Army Graduates: Will Work Along Side Coalition Forces to Protect Their Nation," Press Release. *Coalition Provisional Authority*, October 4, 2003.
¹¹² "Draft Working Papers: Iraq Status," *Department of Defense*, 24 November 2003. Unclassified. Provided to the author by contacts at DoD.
¹¹³ Ibid.
¹¹⁴ Ibid.
¹¹⁵ Ibid.
¹¹⁶ Ibid.
¹¹⁷ Ibid.
¹¹⁸ "Draft Working Papers: Iraq Status," *Department of Defense*, 24 November 2003. Unclassified. Provided to the author by contacts at DoD.
¹¹⁹ "Draft Working Papers: Iraq Status," *Department of Defense*, 15 December 2003. Unclassified. Provided to the author by contacts at DoD.
¹²⁰ Ibid.
¹²¹ Ibid.
¹²² Ibid.
¹²³ Ibid.
¹²⁴ FBI Uniform Crime Report estimates that the capital has an annual homicide rate of 45.82/100,000 residents.
¹²⁵ "News: Iraq," *Club de Paris/Paris Club*, July 10, 2003, (http://www.clubdeparis.org/en/news/page_detail_news.php?FICHER=com10578674390).
¹²⁶ Ibid.
¹²⁷ Ibid.
¹²⁸ Ibid.
¹²⁹ Ibid.
¹³⁰ Ibid.
¹³¹ Ibid.
¹³² Ibid.
¹³³ Ibid.
¹³⁴ Ibid.
¹³⁵ Ibid.
¹³⁶ Ibid.
¹³⁷ Ibid.
¹³⁸ Ibid.
¹³⁹ Ibid.
¹⁴⁰ Ibid.
¹⁴¹ Ibid.
¹⁴² Ibid.
¹⁴³ Ibid.
¹⁴⁴ Ibid.
¹⁴⁵ Ibid.
¹⁴⁶ Ibid.
¹⁴⁷ Ibid.
¹⁴⁸ Ibid.
¹⁴⁹ Ibid.
¹⁵⁰ Ibid.
¹⁵¹ Ibid.
¹⁵² Ibid.
¹⁵³ Jeremy M. Sharp, "Post-War Iraq: Table and Chronology of Foreign Contributions," *Congressional Research Service*. Report for Congress, updated October 24, 2003.
¹⁵⁴ Ibid.
¹⁵⁵ Ibid.
¹⁵⁶ Paolo Prada and Stephen J. Glain, "Foreign Donors Set \$13B for Iraq Contributions Seen Exceeding U.S. Hopes," *Boston Globe*, October 25, 2003.
¹⁵⁷ Jeremy M. Sharp, "Post-War Iraq: Table and Chronology of Foreign Contributions," *Congressional Research Service*. Report for Congress, updated October 24, 2003.
¹⁵⁸ Ibid.
¹⁵⁹ Ibid.
¹⁶⁰ Ibid.
¹⁶¹ Ibid.
¹⁶² Ibid.
¹⁶³ Ibid.
¹⁶⁴ Ibid.
¹⁶⁵ Ibid.
¹⁶⁶ Ibid.
¹⁶⁷ Ibid.
¹⁶⁸ Ibid.
¹⁶⁹ Ibid.
¹⁷⁰ Ibid.

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- ¹⁷¹ Paul Richter, “\$13 Billion for Iraq Exceeds Expectations but Falls Short,” *Los Angeles Times*, October 25, 2003.
- ¹⁷² Jeremy M. Sharp, “Post-War Iraq: Table and Chronology of Foreign Contributions,” *Congressional Research Service*. Report for Congress, updated October 24, 2003.
- ¹⁷³ Ibid.
- ¹⁷⁴ Ibid.
- ¹⁷⁵ Ibid.
- ¹⁷⁶ Ibid.
- ¹⁷⁷ Paul Richter, “\$13 Billion for Iraq Exceeds Expectations but Falls Short,” *Los Angeles Times*, October 25, 2003.
- ¹⁷⁸ Jeremy M. Sharp, “Post-War Iraq: Table and Chronology of Foreign Contributions,” *Congressional Research Service*. Report for Congress, updated October 24, 2003.
- ¹⁷⁹ Ibid.
- ¹⁸⁰ Ibid.
- ¹⁸¹ Paul Richter, “\$13 Billion for Iraq Exceeds Expectations but Falls Short,” *Los Angeles Times*, October 25, 2003.
- ¹⁸² Ibid.
- ¹⁸³ Ibid.
- ¹⁸⁴ Ibid.
- ¹⁸⁵ Ibid.
- ¹⁸⁶ Ibid.
- ¹⁸⁷ Helen Dewar, “Senate Approves \$87 Billion For Iraq; Bush Gets Package Largely as Requested,” *Washington Post*, November 4, 2003.
- ¹⁸⁸ Ibid.
- ¹⁸⁹ Keith B. Richburg and Glenn Kessler, “Nations Pledge Billions for Iraq; Reconstruction Falls Far Short of Projected Need,” *Washington Post*, October 25, 2003.
- ¹⁹⁰ Keith B. Richburg and Glenn Kessler, “Nations Pledge Billions For Iraq; Reconstruction Falls Far Short of Projected Need,” *Washington Post*, October 25, 2003.
- ¹⁹¹ “Draft Working Papers: Iraq Status,” *Department of Defense*, 30 December, 2003. Unclassified. Provided to the author by contacts at DoD.
- ¹⁹² “Iraq Status Update: 18 September 03: Progress on Priorities: National Power Update; Power/Baghdad,” *U.S. Department of Defense*. Briefing material made available by CPA/DoD to author during visit to Iraq September 22-25 2003.
- ¹⁹³ “Draft Working Papers: Iraq Status,” *Department of Defense*, 5 January, 2004. Unclassified. Provided to the author by the CPA/DoD.
- ¹⁹⁴ Jeff Gerth, “The Struggle for Iraq; Reconstruction; Report Offered Bleak Outlook About Oil,” *New York Times*, October 5, 2003. Annual pre-war revenue estimate by the Bush Administration. Broken down in monthly averages by researcher.
- ¹⁹⁵ “Talking Points – Iraq Six Month Progress Report – Oct 9, 2003,” *U.S. Department of Defense*.
- ¹⁹⁶ “21 October 2003 Update: Iraq Fact Sheet: Power” *Joint Staff & CPA*, Unclassified. Provided to the author by the CPA/DoD.
- ¹⁹⁷ “Draft Working Papers: Iraq Status”, *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD.
- ¹⁹⁸ “Iraq Status Update: 18 September 03: Progress on Priorities: National Power Update; Power/Baghdad,” *U.S. Department of Defense*. Briefing material made available by CPA/DoD to author during visit to Iraq September 22-25 2003.
- ¹⁹⁹ “21 October 2003 Update: Iraq Fact Sheet: Power” *Joint Staff & CPA*, Unclassified. Provided to the author by the CPA/DoD.
- ²⁰⁰ “21 October 2003 Update: Iraq Fact Sheet: Power” *Joint Staff & CPA*, Unclassified. Divided into daily averages from monthly data by author.
- ²⁰¹ “Draft Working Papers: Iraq Status”, *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD.
- ²⁰² “Iraq Status Update: 18 September 03: Progress on Priorities: National Power Update; Power/Baghdad,” *U.S. Department of Defense*. Briefing material made available by CPA/DoD to author during visit to Iraq September 22-25 2003.
- ²⁰³ “21 October 2003 Update: Iraq Fact Sheet: Power” *Joint Staff & CPA*, Unclassified. Provided to the author by the CPA/DoD.
- ²⁰⁴ Iraq Fact Sheet: Oil, ” *Joint Staff & CPA*, Unclassified. Provided to the author by CPA/DoD. As of Dec 11, 2003.
- ²⁰⁵ “Iraq Status Update: 18 September 03: Progress on Priorities: National Power Update; Power/Baghdad,” *U.S. Department of Defense*. Briefing material made available by CPA/DoD to author during visit to Iraq September 22-25 2003. Based on two-week estimate
- ²⁰⁶ Ibid. Based on two-week estimate
- ²⁰⁷ Ibid.
- ²⁰⁸ Ibid.
- ²⁰⁹ “Draft Working Papers: Iraq Status”, *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD.
- ²¹⁰ Ibid.
- ²¹¹ “21 October 2003 Update: Iraq Fact Sheet: Power,” *Joint Staff & CPA*, Unclassified. Provided to the author by the CPA/DoD.
- ²¹² “Iraq Fact Sheet: Oil,” *Joint Staff & CPA*, Unclassified. Provided to the author by CPA/DoD. As of Dec 11, 2003.
- ²¹³ Ibid.
- ²¹⁴ Ibid.
- ²¹⁵ “Iraq Status Update: 18 September 03: Progress on Priorities: National Power Update; Power/Baghdad,” *U.S. Department of Defense*. Briefing material made available by CPA/DoD to author during visit to Iraq September 22-25 2003.
- ²¹⁶ “Iraq Status Update: 18 September 03: Progress on Priorities: National Power Update; Power/Baghdad,” *U.S. Department of Defense*. Briefing material made available by CPA/DoD to author during visit to Iraq September 22-25 2003
- ²¹⁷ “Draft Working Papers: Iraq Status”, *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD.
- ²¹⁸ Ibid. Based on a two-week estimate.
- ²¹⁹ “Draft Working Papers: Iraq Status”, *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD. Monthly figure based on weekly averages.
- ²²⁰ “Iraq Fact Sheet: Oil,” *Joint Staff & CPA*, Unclassified. Provided to the author by CPA/DoD. As of Dec 11, 2003.
- ²²¹ “Draft Working Papers: Iraq Status”, *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD.
- ²²² Ibid. Monthly figure based on weekly averages.
- ²²³ Ibid. Monthly figure based on weekly averages.
- ²²⁴ Ibid. Monthly figure based on weekly averages.
- ²²⁵ “Draft Working Papers: Iraq Status”, *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD. Monthly figure based on weekly averages.
- ²²⁶ Ibid. Monthly figure based on weekly averages.
- ²²⁷ “Iraq Fact Sheet: Oil,” *Joint Staff & CPA*, Unclassified. Provided to the author by CPA/DoD. As of Dec 11, 2003.

²²⁸ “Draft Working Papers: Iraq Status,” *Department of Defense*, 4 November 2003. Unclassified. Provided to the author by contacts at the DoD. Monthly figure based on weekly averages.

²²⁹ Ibid. Monthly figure based on weekly averages.

²³⁰ Ibid. Monthly figure based on weekly averages.

²³¹ Ibid. Monthly figure based on weekly averages.

²³² “Draft Working Papers: Iraq Status,” *Department of Defense*, 30 December, 2003. Unclassified. Provided to the author by contacts at DoD.

²³³ Ibid.

²³⁴ “Iraq Fact Sheet: Oil,” *Joint Staff & CPA*, Unclassified. Provided to the author by CPA/DoD. As of Dec 11, 2003.

²³⁵ Ibid.

²³⁶ Ibid.

²³⁷ Ibid.

²³⁸ Ibid.

²³⁹ “Draft Working Papers: Iraq Status,” *Department of Defense*, 5 January, 2004. Unclassified. Provided to the author by the CPA/DoD. Monthly average.

²⁴⁰ “Draft Working Papers: Iraq Status,” *Department of Defense*, 5 January, 2004. Unclassified. Provided to the author by the CPA/DoD. Monthly average.

²⁴¹ Based on an average of three weekly data points made available in “Draft Working Papers: Iraq Status,” *Department of Defense*, 30 December, 2003. Unclassified. Provided to the author by the CPA/DoD.

²⁴² “Draft Working Papers: Iraq Status,” *Department of Defense*, 5 January, 2004. Unclassified. Provided to the author by the CPA/DoD. Monthly estimate.

²⁴³ Ibid.

²⁴⁴ Ibid.

²⁴⁵ Ibid.

²⁴⁶ “Draft Working Papers: Iraq Status,” *Department of Defense*, 5 January, 2004. Unclassified. Provided to the author by the CPA/DoD.

²⁴⁷ “Draft Working Papers: Iraq Status,” *Department of Defense*, 5 January, 2004. Unclassified. Provided to the author by the CPA/DoD. Based on data point from one week.

²⁴⁸ “Draft Working Papers: Iraq Status,” *Department of Defense*, 5 January, 2004. Unclassified. Provided to the author by the CPA/DoD. . Based on data point from one week.

²⁴⁹ “Draft Working Papers: Iraq Status,” *Department of Defense*, 5 January, 2004. Unclassified. Provided to the author by the CPA/DoD. Based on data point from one week.

²⁵⁰ Ibid.

²⁵¹ Ibid.

²⁵² Ibid.

²⁵³ “Draft Working Papers: Iraq Status,” *Department of Defense*, 30 December, 2003. Unclassified. Provided to the author by the CPA/DoD.

²⁵⁴ Ibid.

²⁵⁵ “Draft Working Papers: Iraq Status,” *Department of Defense*, 30 December, 2003. Unclassified. Provided to the author by the CPA/DoD.

²⁵⁵ Ibid.

²⁵⁶ Ibid.

²⁵⁷ Ibid.

²⁵⁸ Ibid.

²⁵⁹ “Draft Working Papers: Iraq Status,” *Department of Defense*, 15 December 2003. Unclassified. Provided to the author by contacts at the DoD. Does not state when goal should be reached.

²⁶⁰ Ibid.

²⁶¹ Ibid.

²⁶² Ibid.

²⁶³ Ibid. Stated as 85% of prewar capacity (6.2 million liters).

²⁶⁴ Ibid.

²⁶⁵ Ibid.

²⁶⁶ Ibid.

²⁶⁷ Ibid.

²⁶⁸ Ibid.

²⁶⁹ Ibid.

²⁷⁰ Ibid.

²⁷¹ Ibid.

²⁷² Ibid.

²⁷³ Ibid.

²⁷⁴ Ibid.

²⁷⁵ Ibid.

²⁷⁶ Ibid.

²⁷⁷ “Draft Working Papers: Iraq Status,” *Department of Defense*, 30 December, 2003. Unclassified. Provided to the author by the CPA/DoD.

²⁷⁸ L..Paul Bremer testifying before the House Armed Services Committee, *Federal News Service*, June 12, 2003.

²⁷⁹ Ann Scott Tyson, “Iraqis Sample Free Enterprise,” *Christian Science Monitor*, August 19, 2003.

²⁸⁰ “Progress Competes with Chaos in Iraq,” *Los Angeles Times*, October 19, 2003

²⁸¹ Will Lester, “Poll Finds Baghdad Residents Glad to Be Rid of Saddam,” *Associated Press*, September 24, 2003.

²⁸² Ibid.

²⁸³ Ibid.

²⁸⁴ Ibid.

²⁸⁵ Walter Pincus, “Skepticism About U.S. Deep, Iraq Polls Shows; Motive for Invasion is Focus of Doubts,” *Washington Post*, November 12, 2003.

²⁸⁶ Ibid.

²⁸⁷ Ibid.

²⁸⁸ “CNN/USA Today/Gallup Poll: January 2-5, 2004 – FINAL TOPLINE,” *Gallup*. Provided to author by contacts at the Gallup Organization.