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Security and Stability in the Greater Middle East

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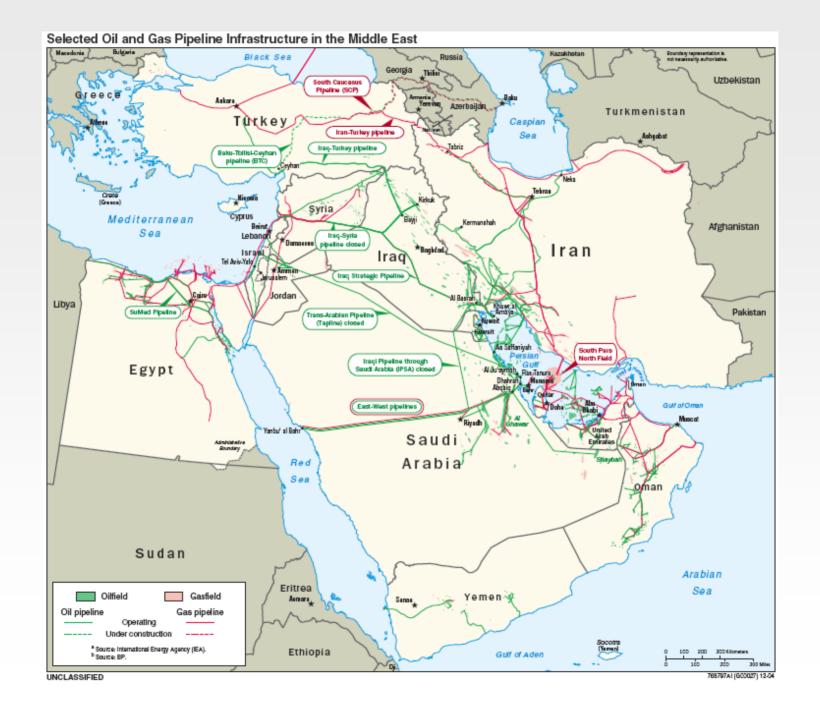
January 2008



Six Strategic Challenges

- Energy export capacity and security
- Adjustment of military posture in Iraq, and the Gulf.
- Deciding how to deal with Iranian proliferation, growing asymmetric warfare capabilities, and use of proxies.
- The lack of near-term prospects for a real Arab-Israeli peace process, and potential further military clashes in Lebanon and between Israel and the Palestinians and/or Syria.
- The region-wide impact of Neo-Salafi Islamist extremism. The franchising of Al Qaida, and its impact inside and outside the region.
- Dealing with the war in Afghanistan, potential destabilization of as nuclear Pakistan, and its impact on proliferation and Islamist extremism in the Middle East.







Risk Premium

Oil-Gas Export Risks and Uncertainties

Strategic Importance: Projections

Geostrategic Risk

- Security of facilities
- Stability of governments
- Oil and Gas as a weapons
- Supply disruptions
- Corruption of oil deals

Economic Forces

- Health of global economy
- Inflow of investment
- Demand elasticity
- Production at a given price
- Labor strikes & disputes

Nature of Resources

- Reserves estimates
- Recoverability
- Natural depletion
- New discoveries
- Technical 3-D modeling

Production Capacity

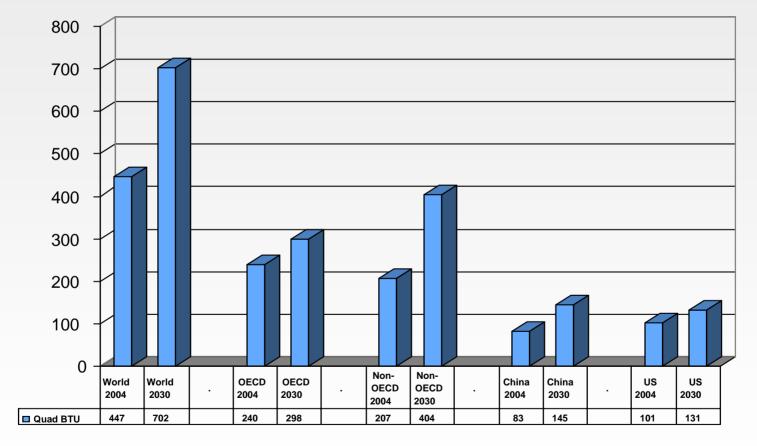
- Sustainability
- Technological gains
- Field management systems
- Crude grade
- Refining capacity

Rational Expectation?



Growth of Global Energy Demand

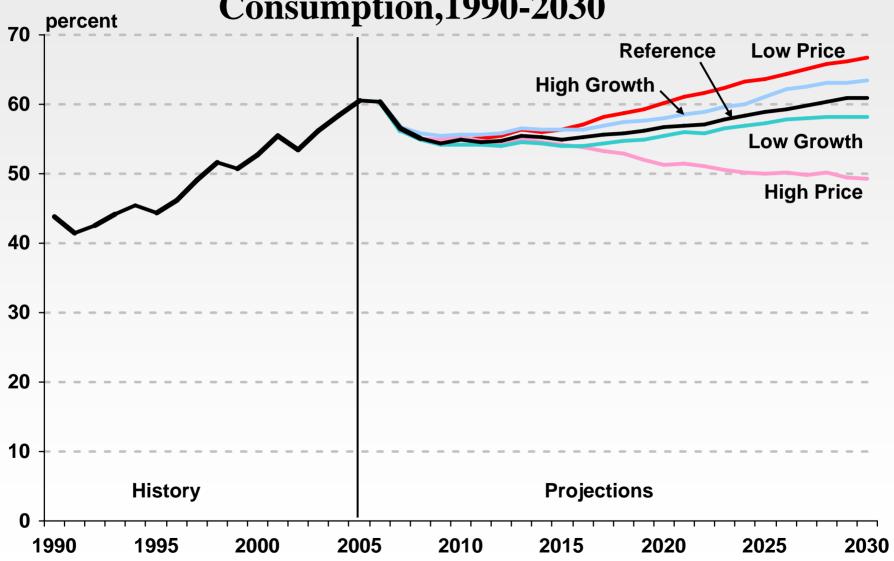
Consumption of Energy in Quadrillion BTUs: 2004 vs. 2030



Adapted from DOE/EIA, IEO 2007, Table A1 Reference Case . In Quadrillions of Btus.



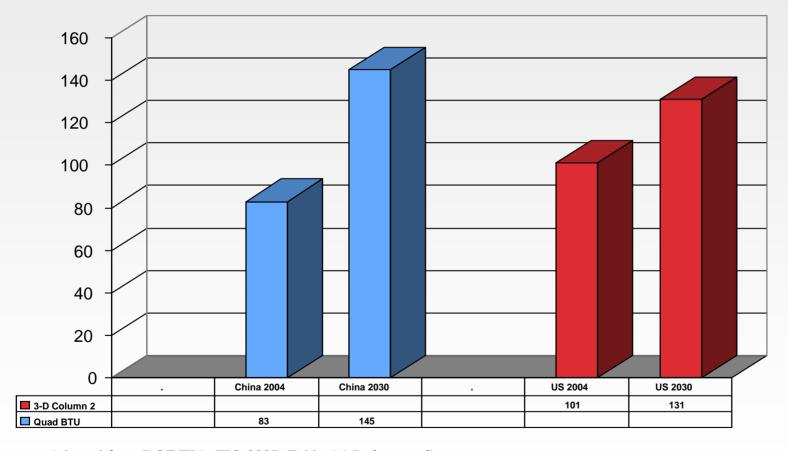
Net Import Share of U.S. Liquid Fuels Consumption, 1990-2030





Growth of China and US Energy Demand

Consumption of Energy in Quadrillion BTUs: 2004 vs. 2030

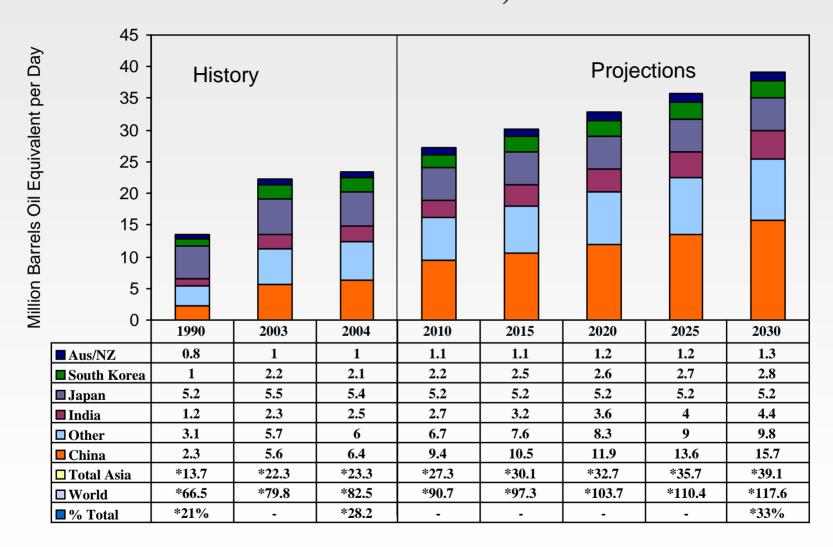


Adapted from DOE/EIA, IEO 2007, Table A1 Reference Case

. In Quadrillions of Btus.



Asian Liquids Consumption in the EIA Reference Case, 1990-2030

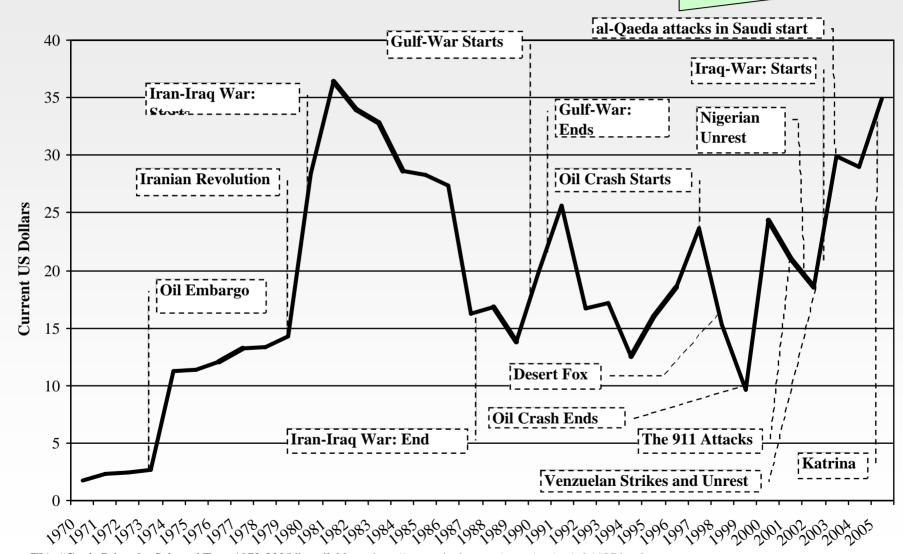


Source: EIA, IEO2007, Appendix A, p. 88



History of Oil Shocks: 1970-2005

Overtimes: more incidents, more frequent volatility, higher risk of asymmetric attacks, and more geopolitical uncertainties.



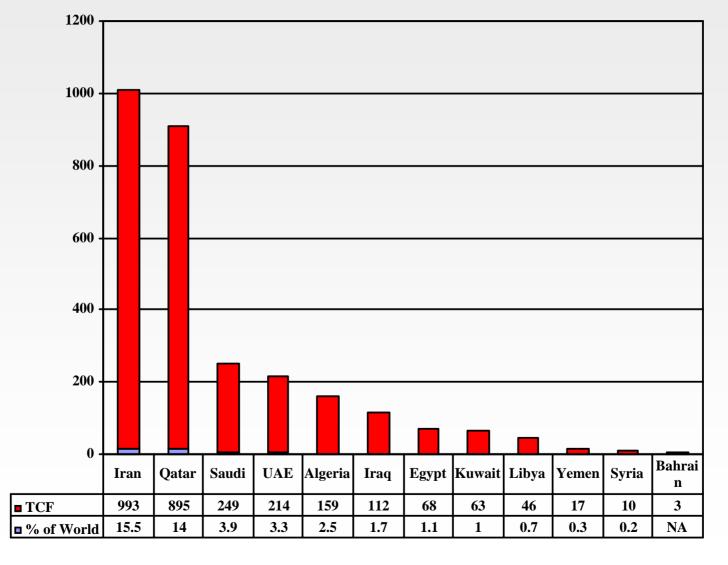
Source: EIA, "Crude Prices by Selected Type 1970-2005," available at: http://www.eia.doe.gov/emeu/aer/txt/ptb1107.html.

Note: These prices are averages of several types: Saudi Light, Iranian Light, Libyan Es Sider, Nigerian Bonny Light, Indonesian Minas, Venezuelan Tia Juana light Mexico Maya, and UK Brent blend



MENA Proven Natural Gas Reserves

(In Trillions of Cubic Feet)

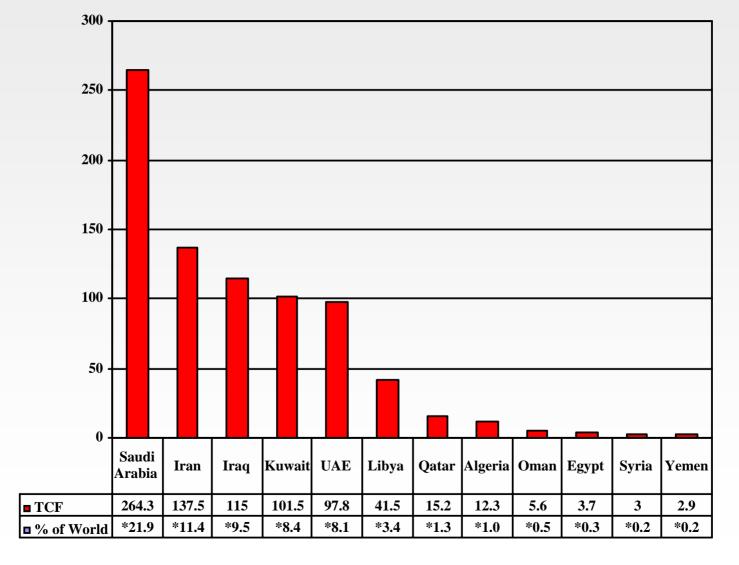


Source: BP Statistical Review, 2007



MENA Proven Conventional Oil Reserves

(In Trillions of Cubic Feet)

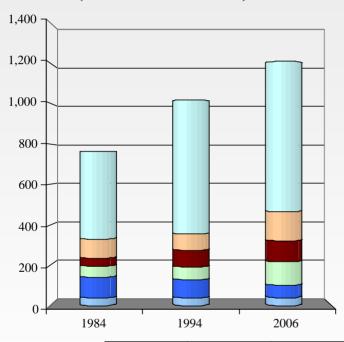


Source: BP Statistical Review, 2007

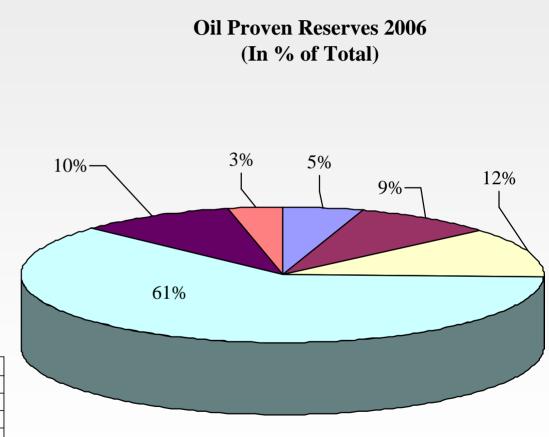


MENA Oil Reserves as Share of World Total

Oil Proven Reserves Trends (In Billion Barrels)



	1984	1994	2006
■ Middle East	430.8	661.7	742.7
□ Europe & Eurasia	96.70	80.30	144.40
■ S& C America	36.30	81.50	103.50
□ Africa	57.80	65.00	117.20
■ N. America	101.90	89.80	59.90
■ Asia Pacific	38.10	39.20	40.50



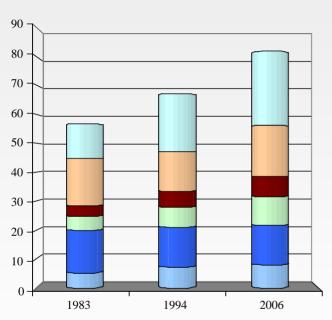
Note: If Canadian tar-sands are included, the North American total rises to 236 billion (18%)

Source: BP Statistical Review2007



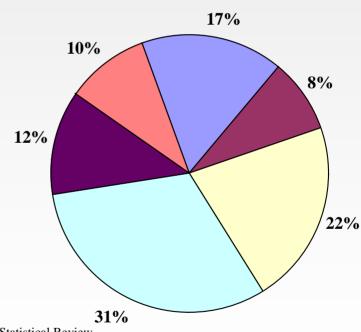
MENA Oil Production As Share of Oil Production Trends World Total

Oil Production Trend (In MMBD)



	1983	1994	2006
☐ Middle East	11.841	20.118	25.599
■ Europe & Eurasia	16.343	13.657	17.563
■ S& C America	3.539	5.347	6.881
□ Africa	4.865	7.004	9.991
■ N. America	14.838	13.807	13.699
■ Asia Pacific	5.171	7.184	7.941

Oil Production 2006 (In Percent)



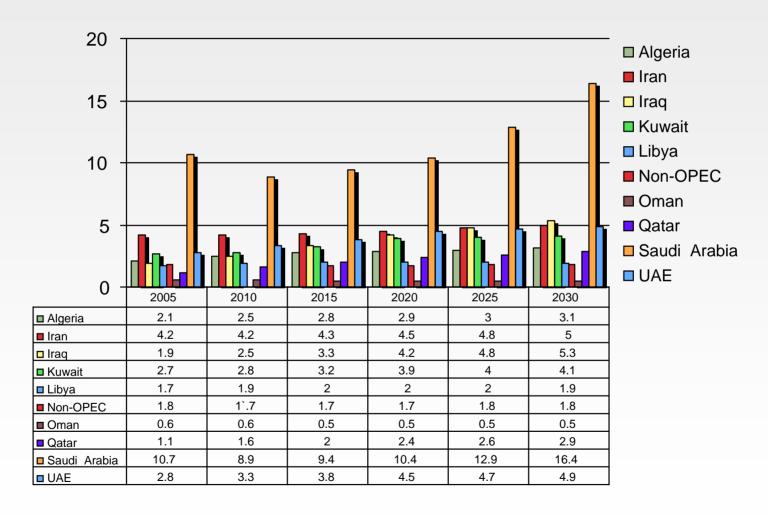
Source: BP Statistical Review

Source: BP Statistical Review2007



Middle East Oil Producers: 2005-2030

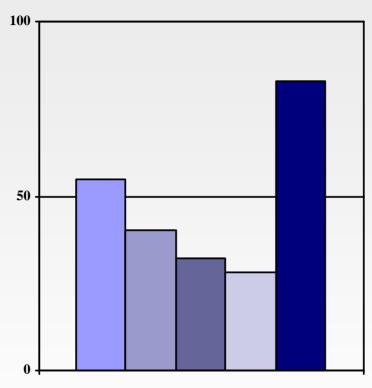
(In MMBD in EIA/DOE reference case in IE0 2007)



Average world oil prices in 2030 are \$36, \$59, and \$100 per barrel in 2030



Gulf Energy as Percent of World



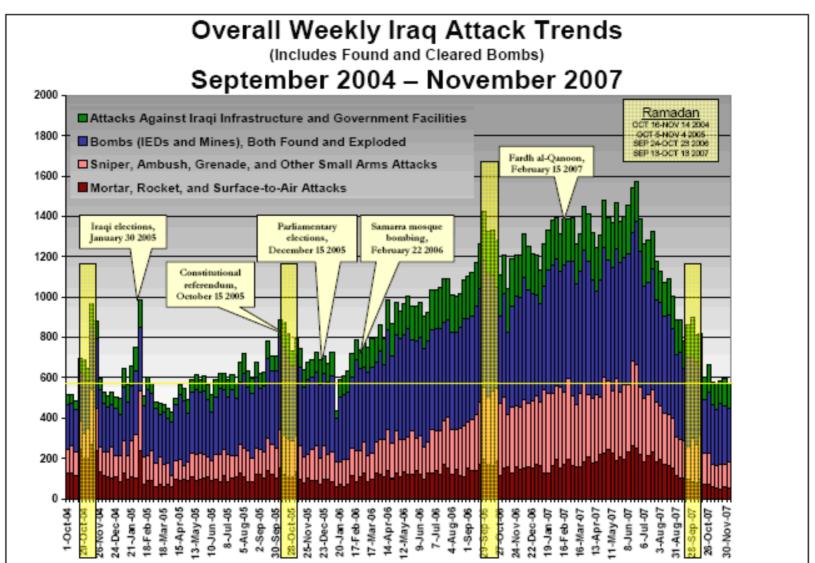
■ Crude Oil Reserves	55
■ Natural Gas Reserves	40
Oil Production	32
Capacity	
□ Oil Piduction	28
■ Excess Oil Production	83
Capacity	



The Iraq Challenge

- May have to leave Iraq suddenly for political reasons, but best strategy is caution. Doubtful that surge can work, or rapid progress in conciliation, but ISF may be able to work over time, slow conciliation better than division or civil war, and far easier to talk about abandoning Iraq than to do it if trigger a humanitarian disaster.
- Need to seek to contain or limit Iran, resolve Iraqi-Kurdish-Turkish issue, and reassure Sunni allies have not abandoned Iraqi Sunnis.
- If surge succeeds, and conciliation happens, need to phase out US forces at rate that best achieves Iraqi and regional stability.
- If fails, need phased cuts tied to clear political efforts, aid, and at least option of seeking to bloc civil war turning into military bloodbath. Extreme caution in intervening, but need to develop a Plan B flexible enough to react to events in Iraq.
- Need to talk to key allies and powers in region now. Reassure that will not leave Gulf, will aid them in dealing with Iran, and seeking some form of stability in Iraq. Need clear basing plans to handle exist and forces keep.

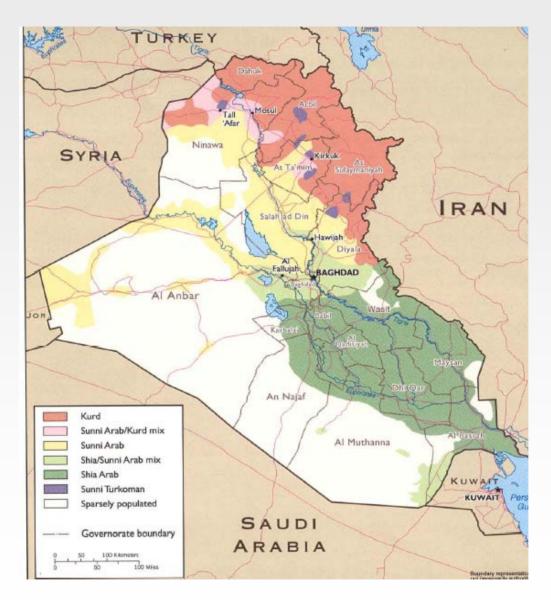




This chart has been added since the last report. It is included to show overall insurgent activity and methods of attack and therefore includes found and cleared bombs. Source: SIGACTS III Database (Coalition Reports only)—Chart includes executed attacks and potential (found and cleared) events; as of Nov 30 2007.

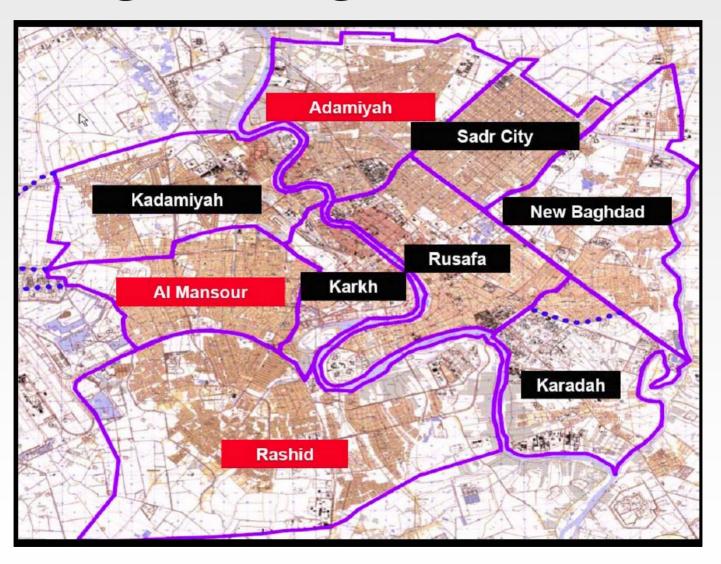


Iraqi Sectarian & Ethnic Divisions





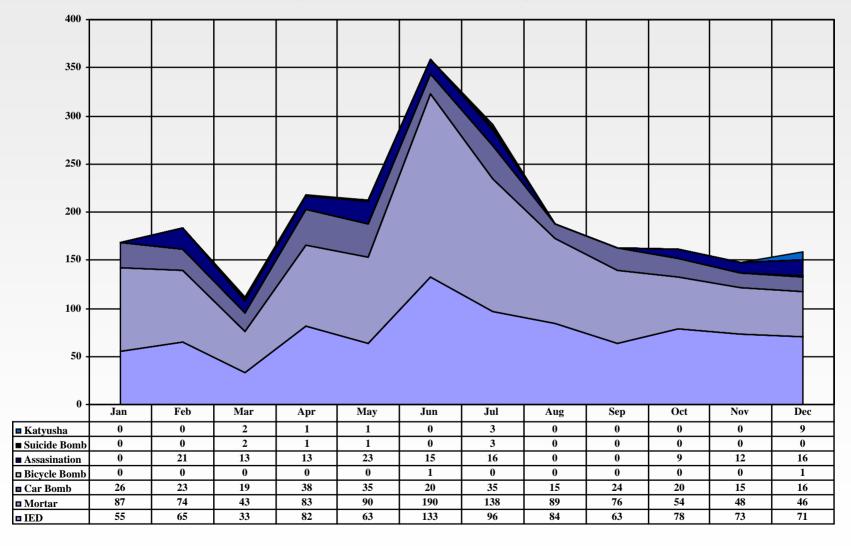
Baghdad Neighborhoods





Baghdad: Major Incidents of Violence in 2007

(Trend in Total Incidents)

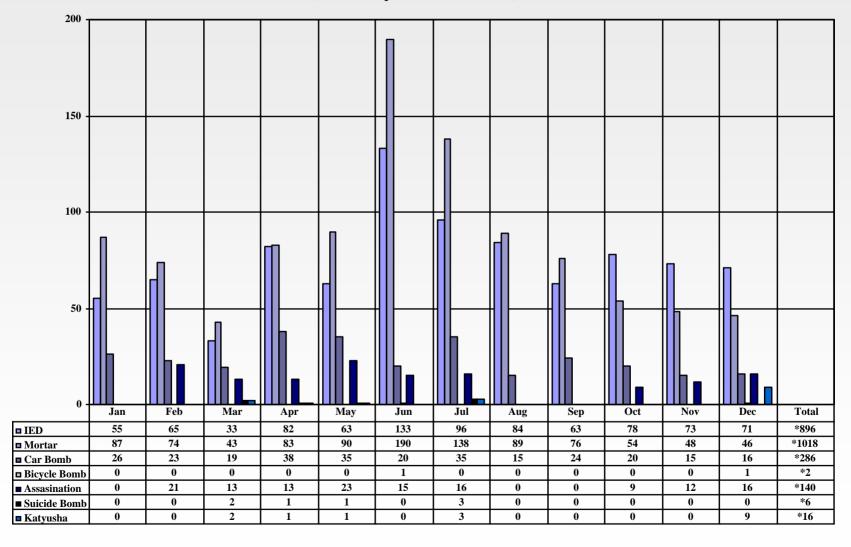


Source: Iraqi Official



Baghdad: Major Incidents of Violence in 2007

(Monthly Distribution)

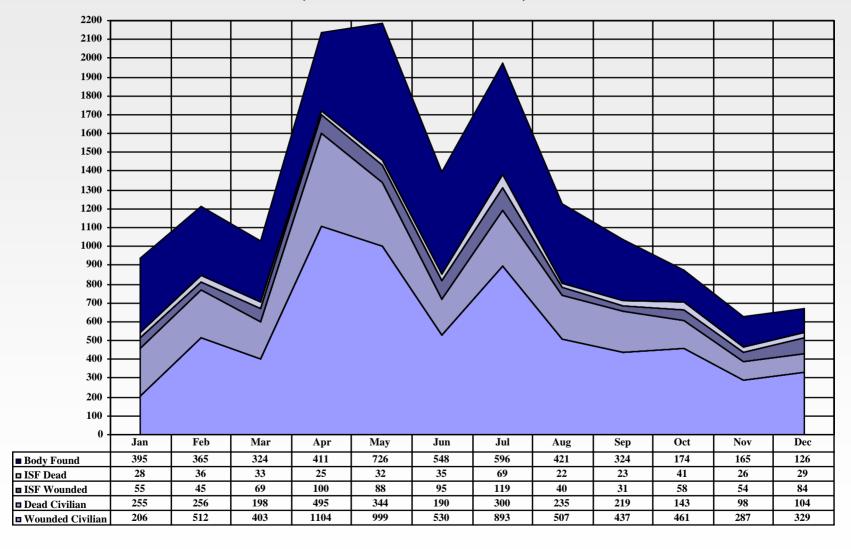


Source: Iraqi Official



Baghdad: Major Iraqi Casualties in 2007

(Trend in total Incidents)

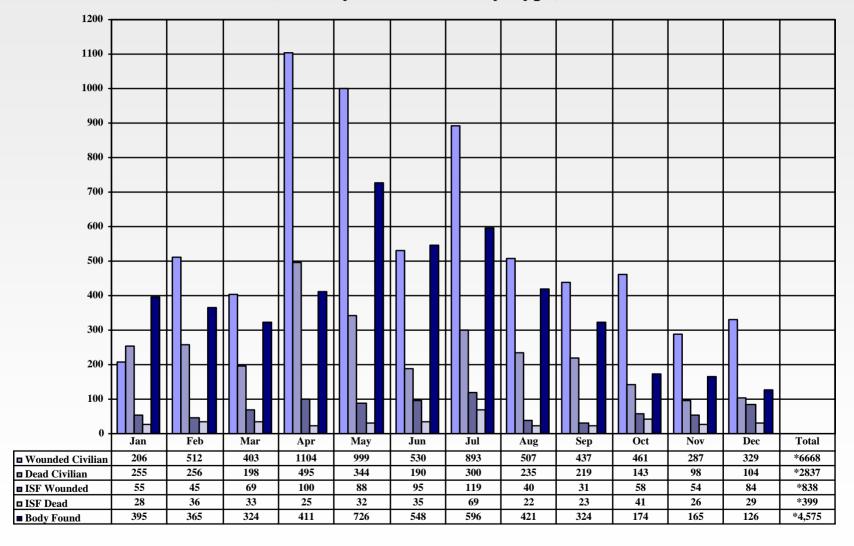


Source: Iraqi Official



Baghdad: Major Iraqi Casualties in 2007

(Monthly Distribution by Type)



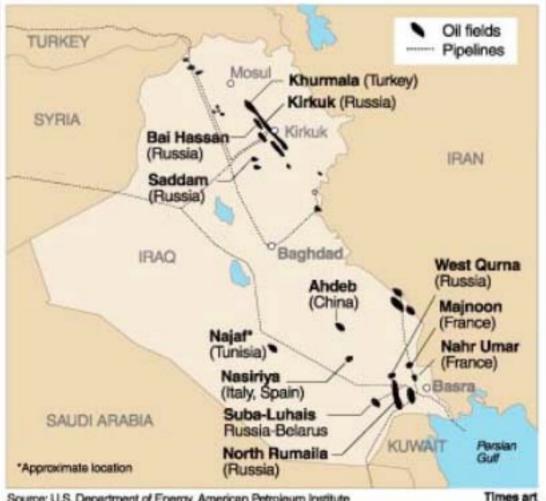
Source: Iraqi Official



Iraqi Oil Fields

The thirst for Iraqi oil

While U.S. oil firms have stood on the sidelines, Iraq has negotiated contracts or had serious talks with oil companies from many other nations to develop its vast oil reserves. The map shows some of the major fields and the countries involved.



Source: U.S. Department of Energy, American Petroleum Institute

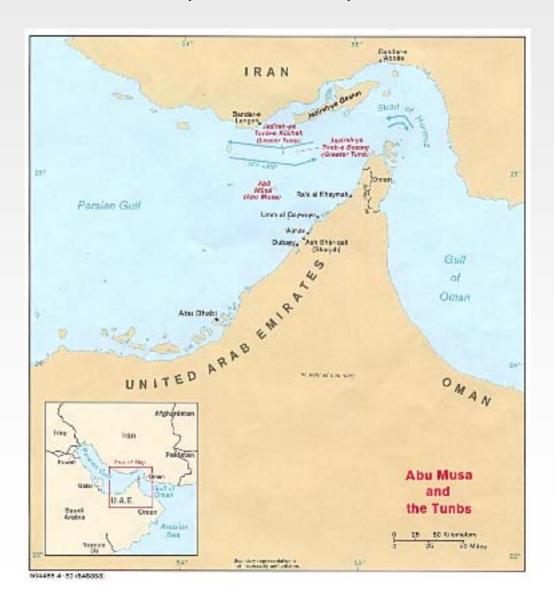


The Iran Challenge

- Engagement and dialog but little chance of payoff without new regime.
- At same time, regime change must come from within.
- Preemption and prevention are real military options, but not good ones, and premature at best. Will always produce serious backlash, but need to exhaust diplomatic options, prepare and consult with local states. Better a convincing threat than a reality.
- Missile and air defense, extended conventional and nuclear deterrence are ways to contain Iranian nuclear and missile development. Need regional partners, and need to convince them better than acquiring their own weapons.
- Maintain naval-air dominance, air edge using Al Udeid.
- Work quietly with southern Gulf states on key asymmetric defenses: offshore, anti-mine, anti-raid, air and missile defenses, protection key facilities.
- Clear plan and capability to defeat Iranian Navy and IRGC in any naval clash threatening tanker traffic through Gulf.



Abu Musa, Tumbs, Hormuz



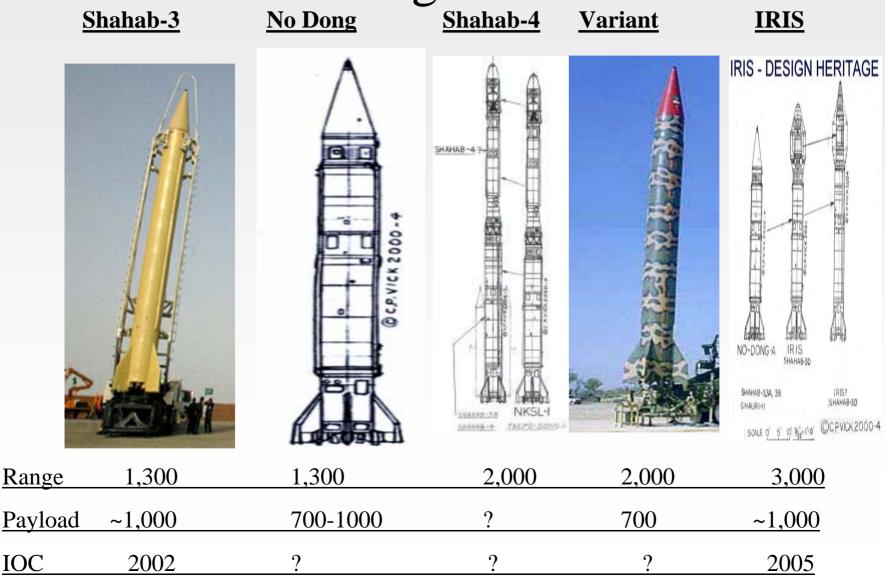


Arak 40 MWth Heavy Water Reactor Foundation for reactor and containment structure Foundation for reactor Auxiliary building foundation ventilation (for Laboratory/Flot cells?) stack DigitalGlobe Quickbird commercial satellite image 14 FEB 05

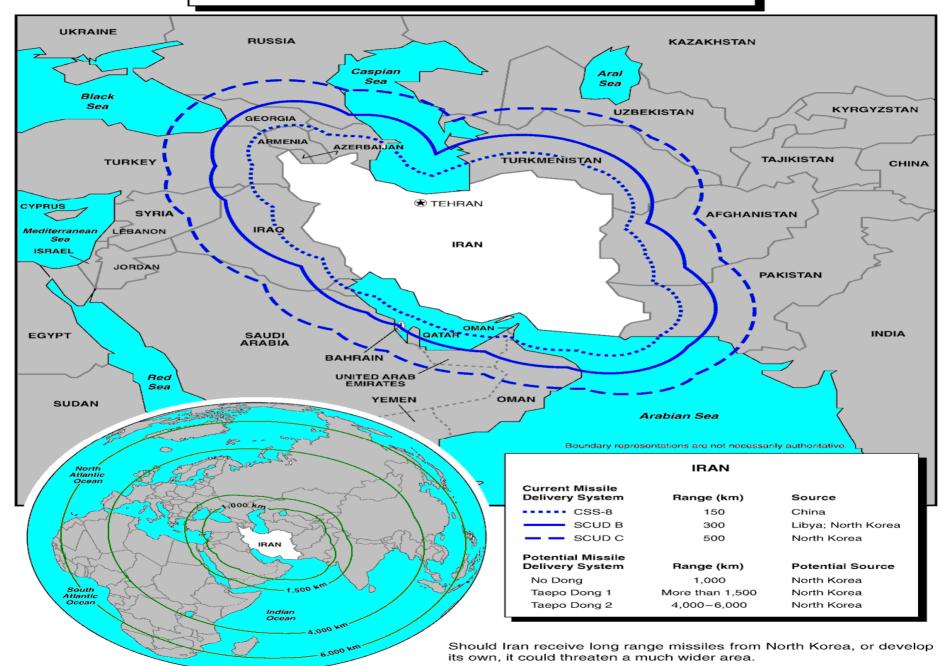




Iranian Missile Program



Estimated Ranges of Current and Potential Iranian Ballistic Missiles



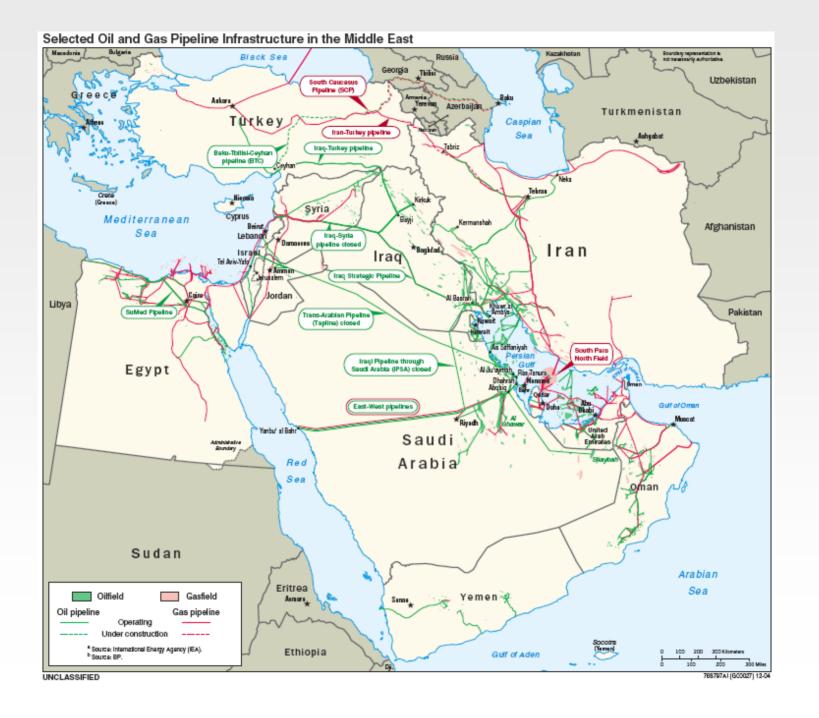


The Gulf Challenge

■ No illusions:

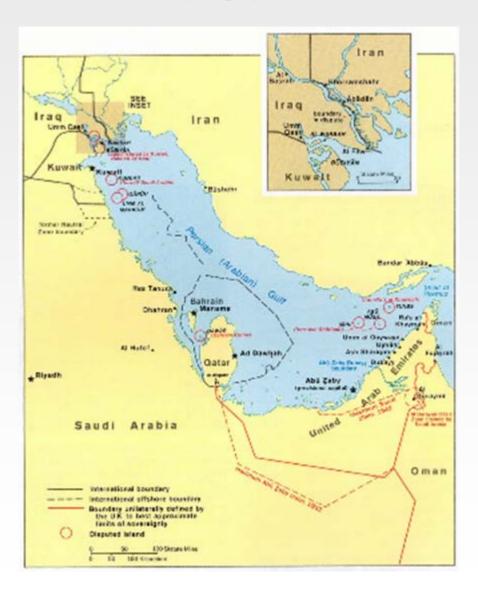
- Iran will not be our friend or strike grand bargain and must be contained and deterred.
- The GCC will not be effective and new regional security structures will not be effective,
- NATO and other nations will not ease the burden of US presence.
- Most effective cooperation in counterterrorism will continue to be bilateral.
- Need engagement with our Gulf allies, Jordan, and Egypt based on frankness, treating as partners, building up local capabilities one nation at a time, and seeking stronger regional efforts with understanding progress will be slow and faltering.





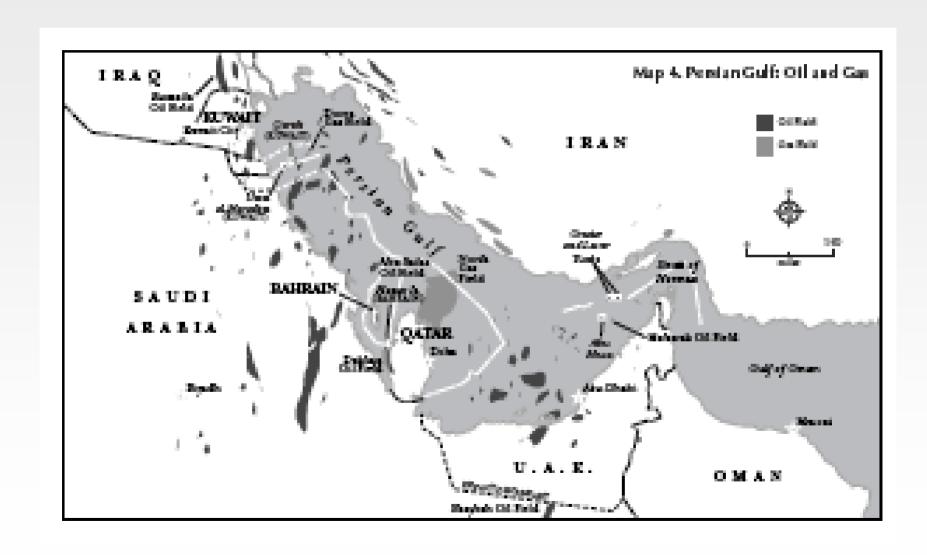


The Gulf



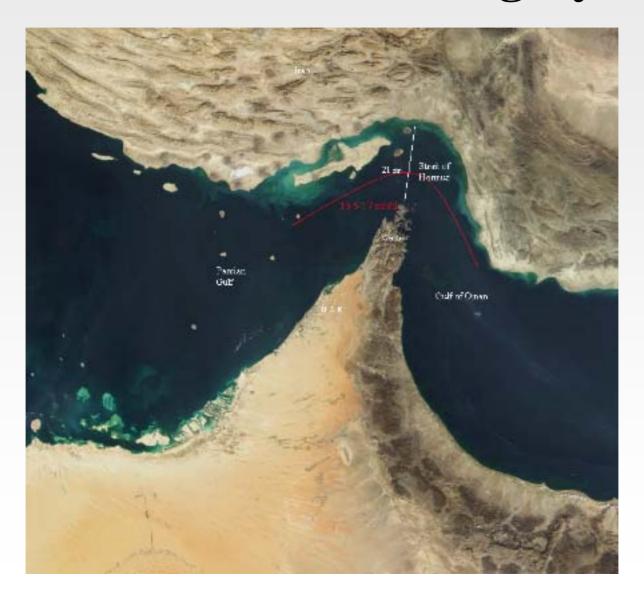


Gulf Oil Fields





Strait of Hormuz-Imagery





The Red Sea



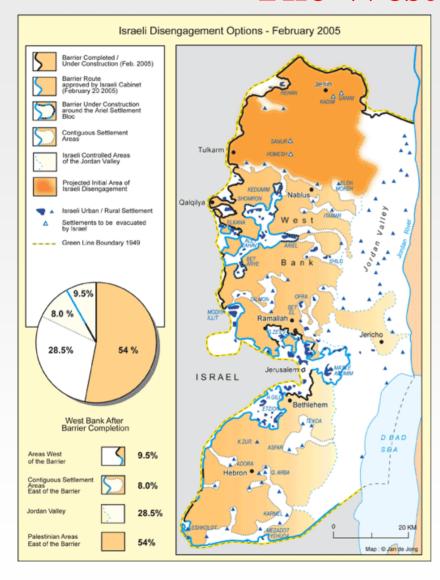


The Arab-Israel Challenge

- Press on actively and seriously in spite of odds.
- Engage with Syria as with Iran. May be more prospects of at least a limited modus vivendi.
- Do what can in Lebanon, but not over engage.
- Boost Abbas, but beware of Potemkin Palestinian entity.
- Aid to Egypt and Jordan.
- Not back off on post-Marabark liberalization. Egypt is key strategic asset.
- Maintain Israel's "edge" as best way of keeping confident and flexible.
- Quietly and covertly approach on nuclear changes and response to Iran.



The West Bank



Population: 2,535,927
Palestinians (705,207
refugees) and 187,000
Israeli settlers in West
Bank plus 187,000
Israelis in East
Jerusalem

42.4%: 14 years of age or

younger

Growth rate: 2.99%

45.7% below poverty line in 2005

Labor force: 568,000 in

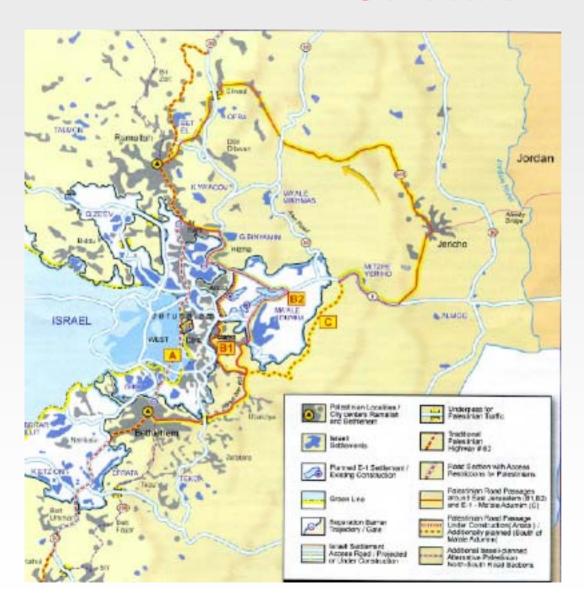
2005

Jobs: 55% services, 29% industry, 16% agriculture

Area: 5,860 square kilometers, 16.9% arable



Jerusalem



Greater Jerusalem

Population: 724,000, 65% Jewish, 32% Muslim, 2% Christian

Area: 125.1 square

kilometers

East Jerusalem

Population: 428,000+, 42% Jewish, 53% Muslim, 3% Christian

Area: 70 square kilometers



The Gaza Strip



Population: 1,482,405

47.6%: 14 years of age or

younger

Growth rate: 3.66%

63.1% below poverty line

in 2005

Labor force: 259,000 in

2005

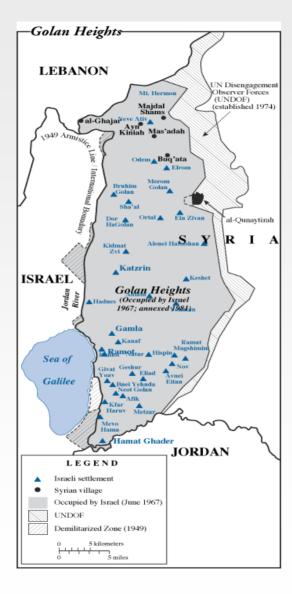
Jobs: 70% services, 18% industry, 12% agriculture

Area: 360 square

kilometers - 29% arable



The Golan



Population: 16,500-20,000 Israel settlers, 19,300 Druze, and 2,100 Muslims

Area: 1,800 square kilometers



Lebanon





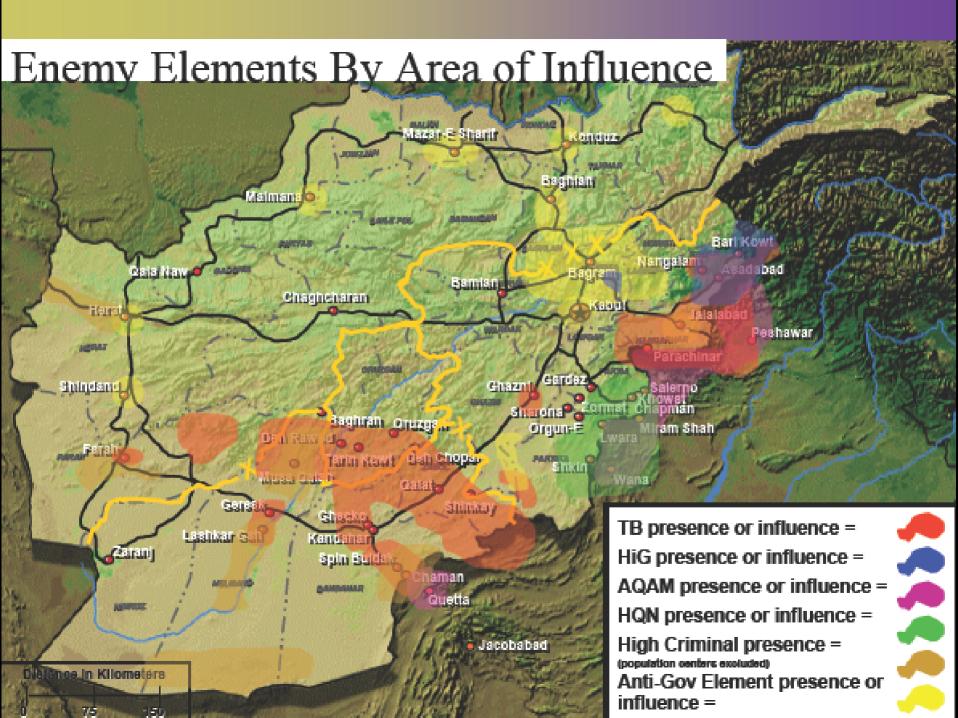
The "Terrorism" Challenge

- Region-wide impact of Neo-Salafi Islamist extremism. The franchising of Al Qaida, and its impact inside and outside the region
- Quiet bilateral cooperation. Training, intelligence, paramilitary operations aid.
- **■** Facility active and passive defense.
- Efforts in dealing with Islam and good governance will count, not efforts at democracy and reform. Cannot really win from our side, political diplomacy weak tool at best,
- Strong country teams, patient country by country encouragement of reform from within: Economics, governance, rule of law, human rights, and demographics as important as political "legitimacy"



The Afghan Challenge

- Dealing with the war in Afghanistan, potential destabilization of as nuclear Pakistan, and its impact on proliferation and Islamist extremism in the Middle East.
- 10 year problem of armed nation building in Afghanistan. Needs patience and resources.
- NATO roll will not increase, US must lead.
- Pakistan part of the "war," and more dangerous as potential Islamist state/sanctuary than Afghanistan, sale of proliferation key threat, particularly as up Plutonium production.
- No good answers; need constant flexible engagement.

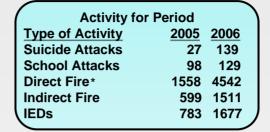


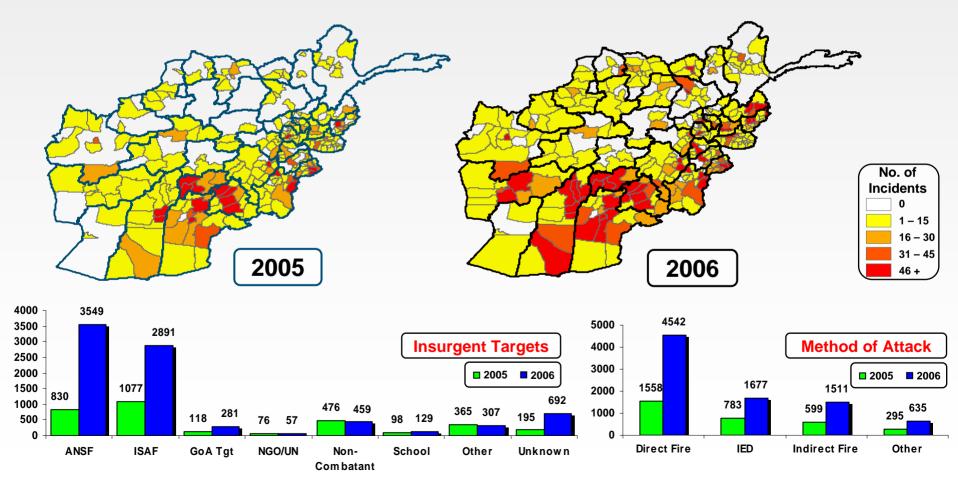




Enemy Activity Snap-shot (Weeks 1 - 52 for 2005 & 2006)

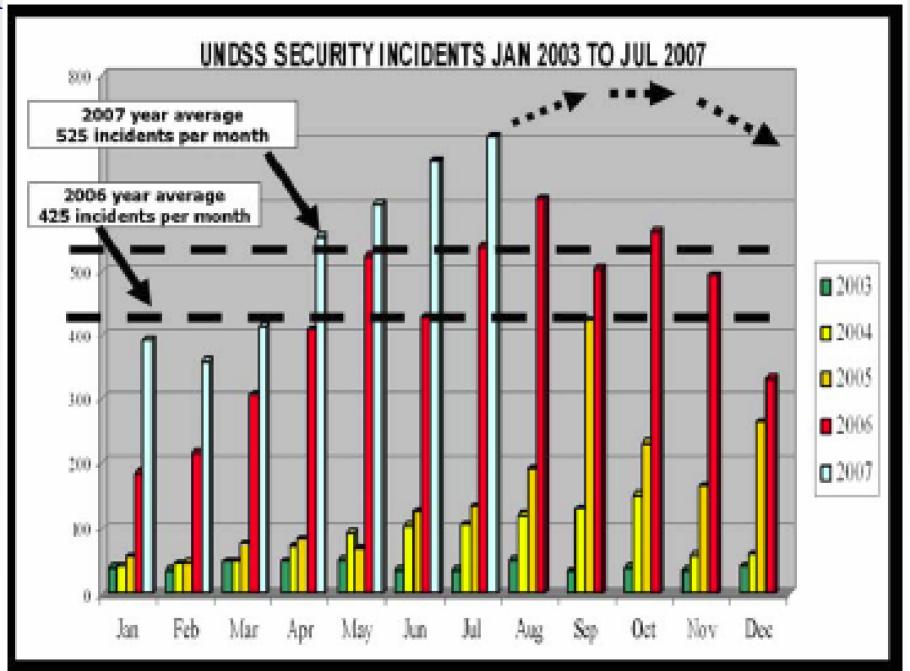
01 January - 31 December (2005 & 2006)





^{*} Direct Fire includes SAFIRE events

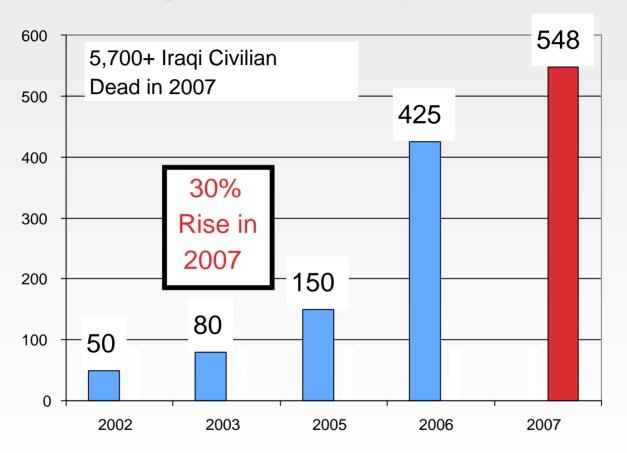
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Rise in Afghan Violence: 2006 vs. 2007

Average Annual Monthly Incidents



Adapted from USCENTCOM brief. Covers first 9 months in 2007.

