







Image © 2006 MDA EarthSat

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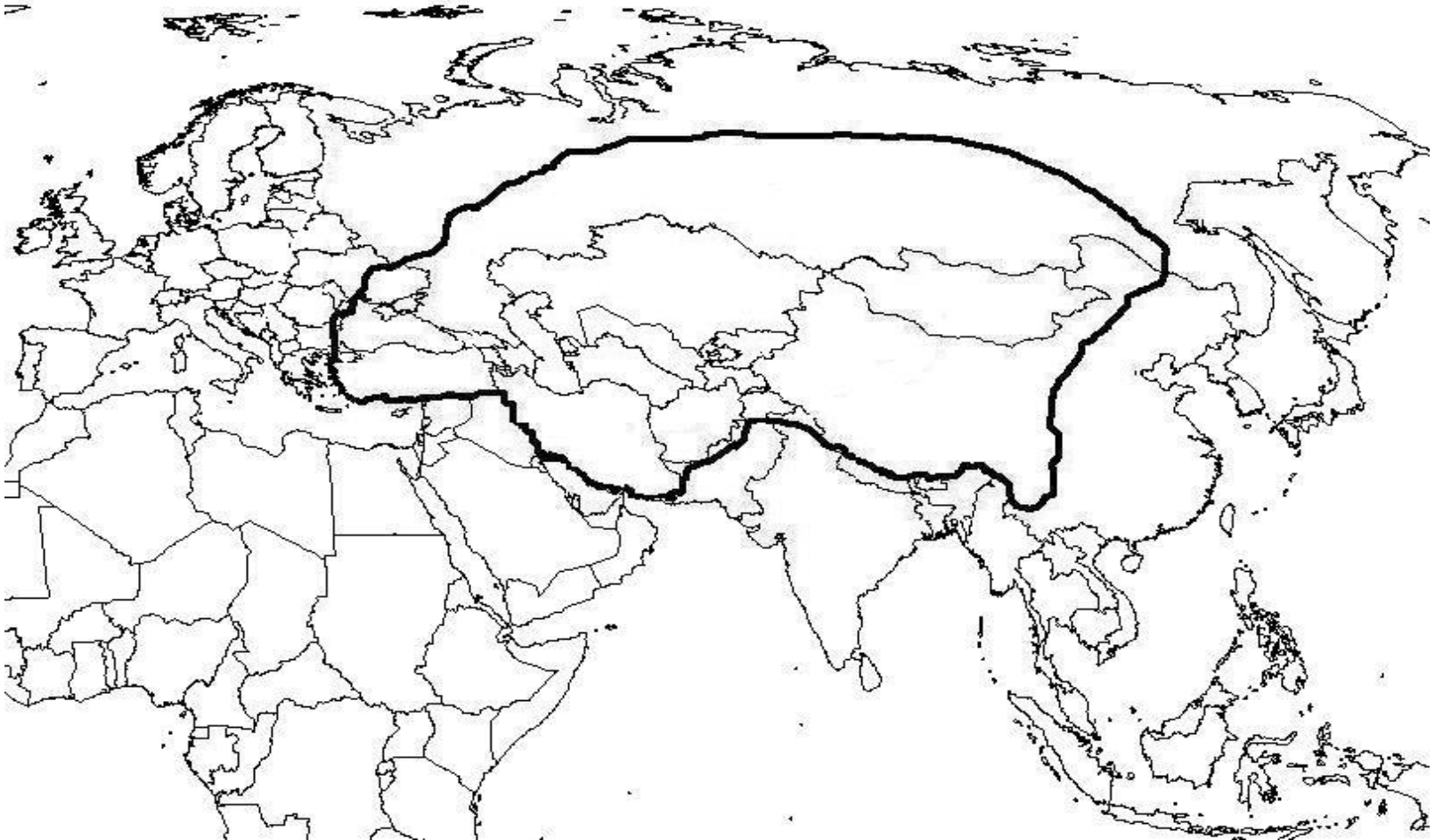




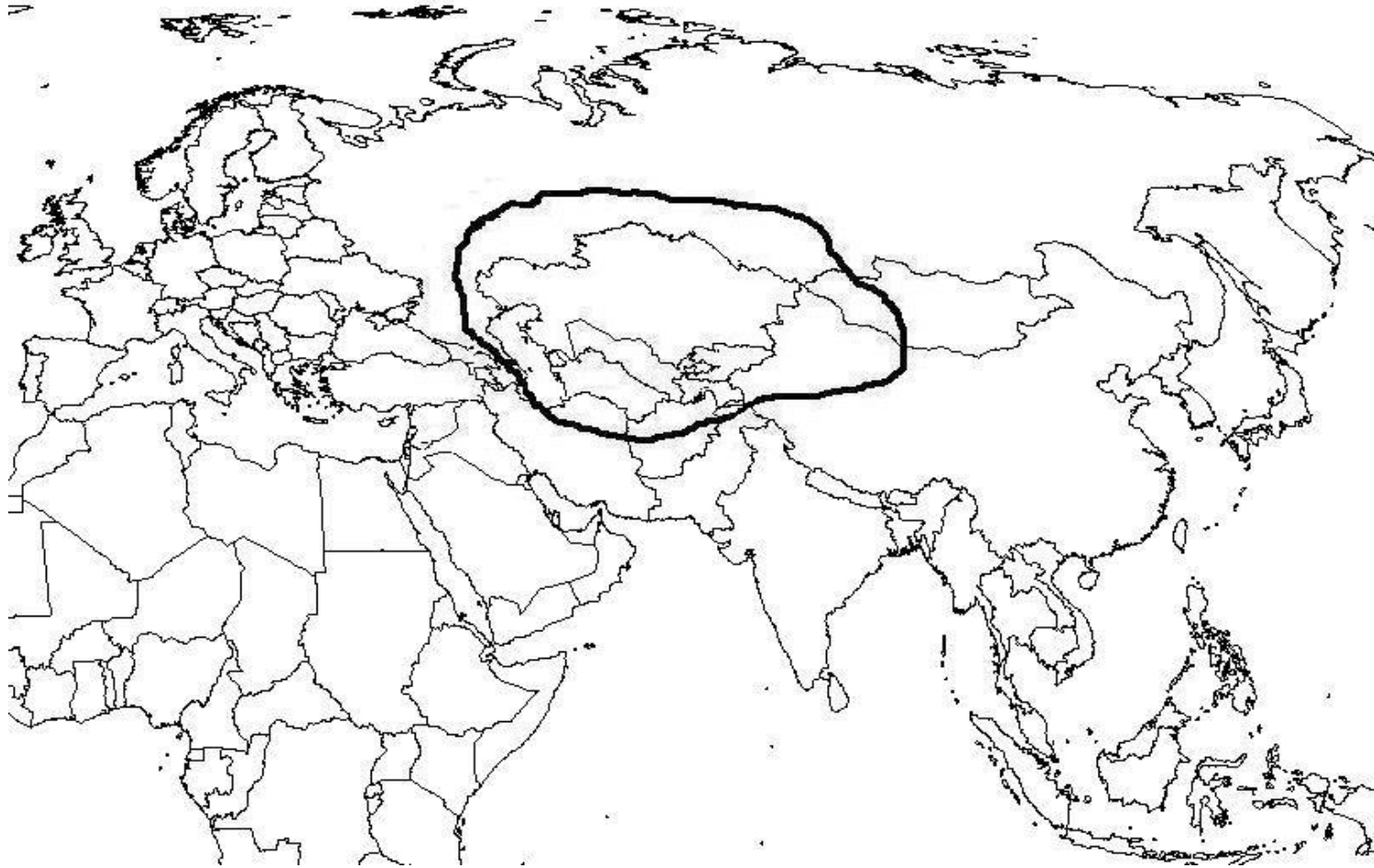
# Central Asia



# Central Eurasia

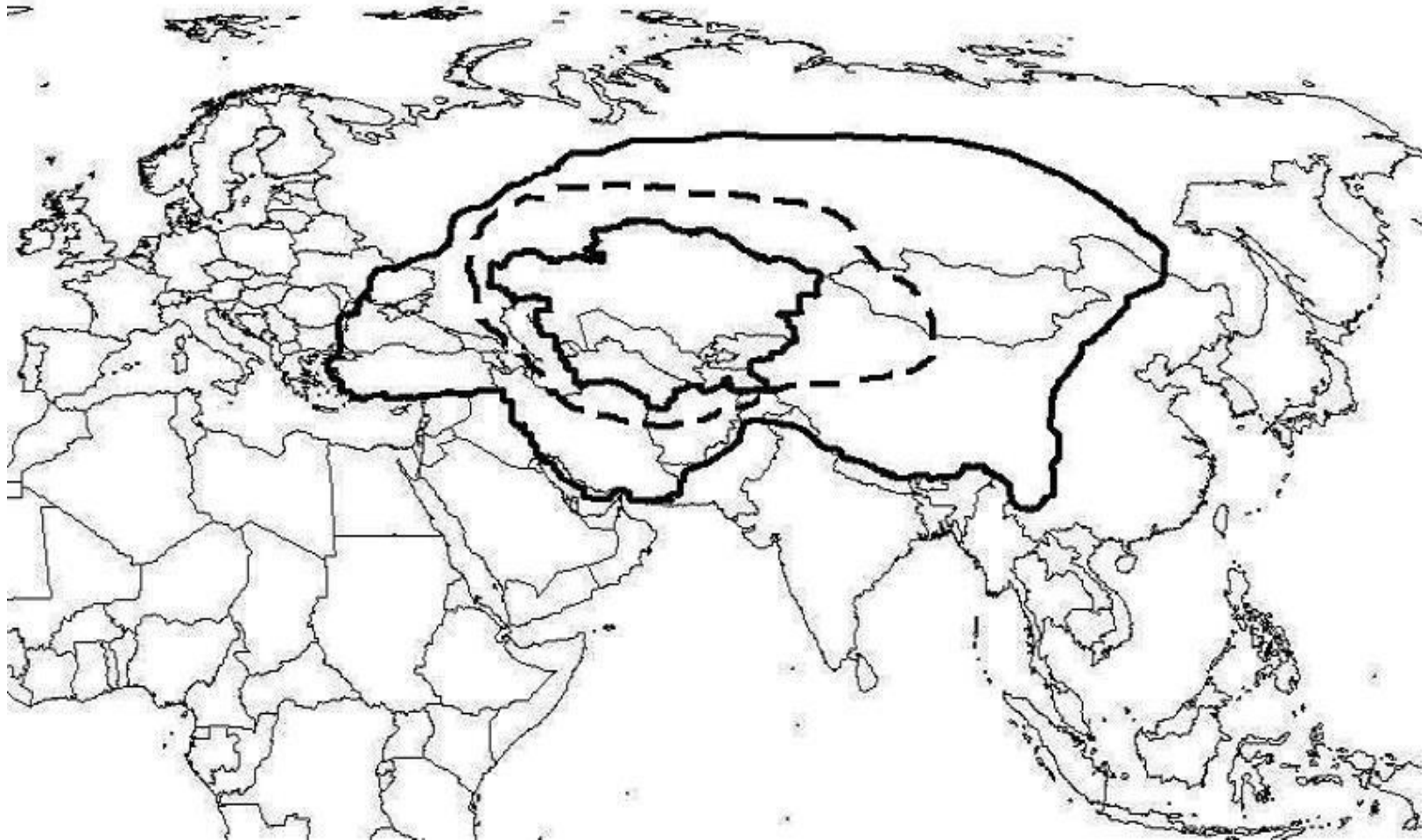


# Greater Central Asia





**Greater Central Asia intermediates**  
**Central Asia with Central Eurasia**



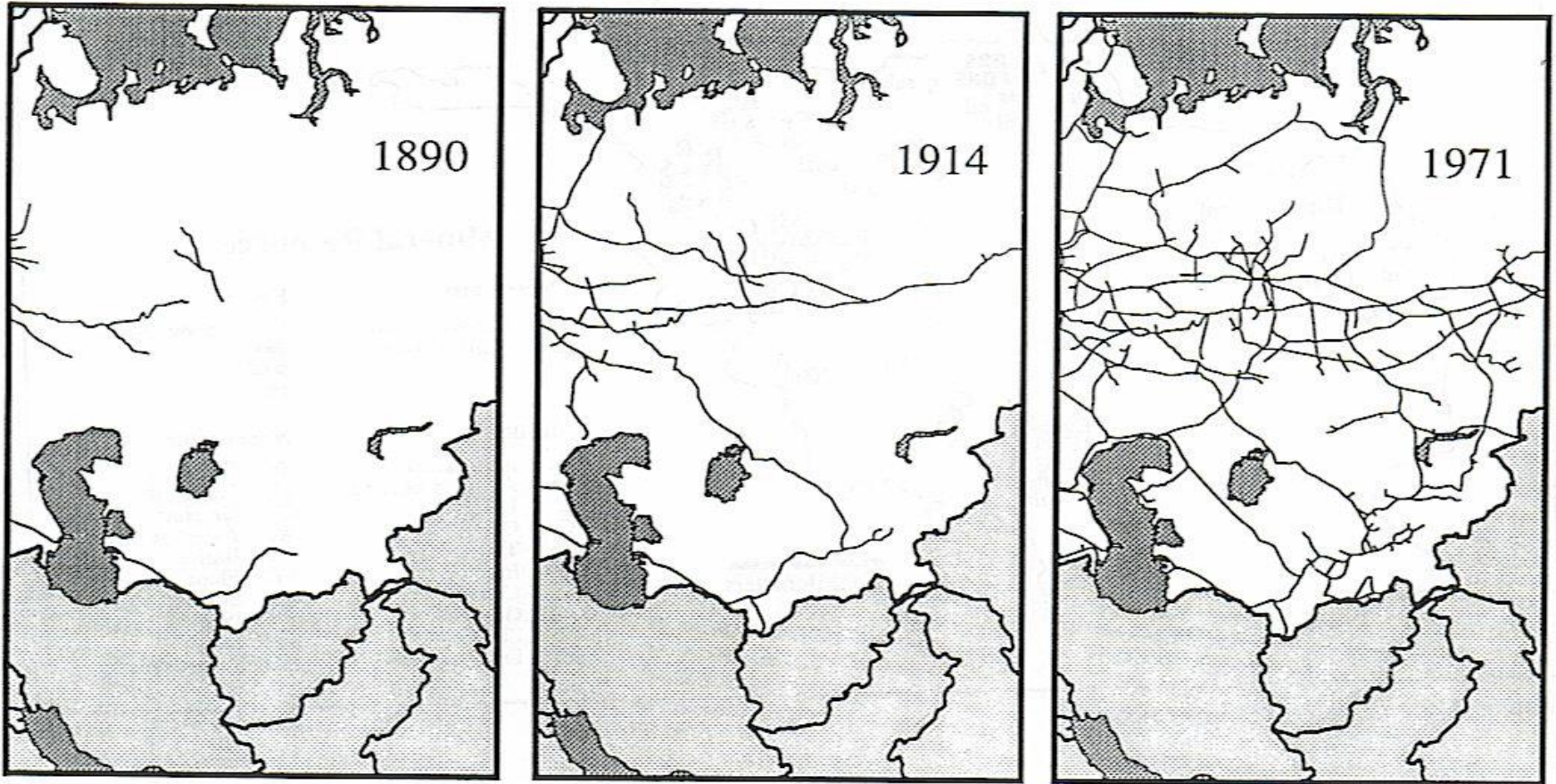


Map 3.2 Central Asia



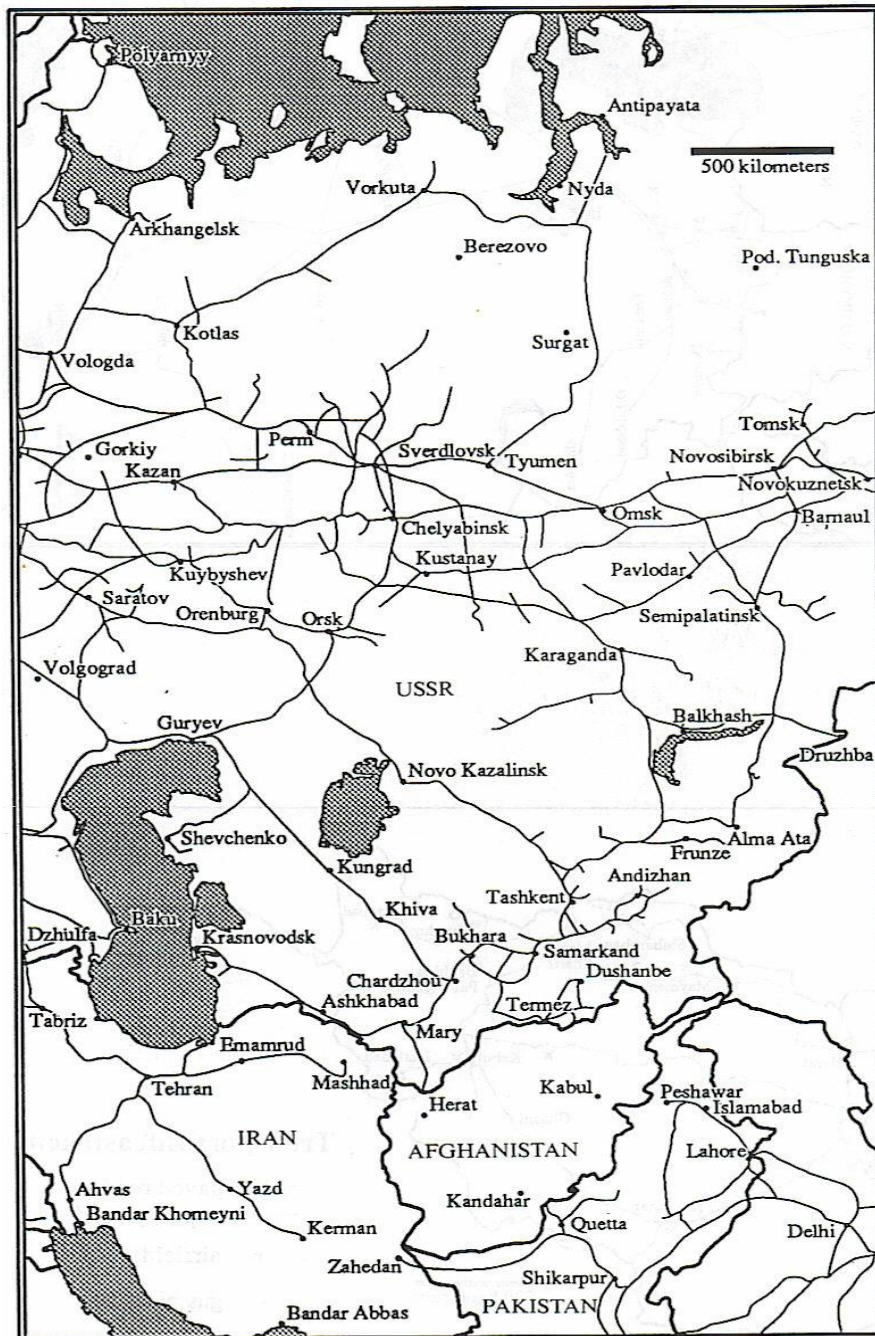
Source: Brigham Young University, Geography Department, 2002.

# By railroad



Map 2: The Development of Railroads in the Russian/Soviet Midlands





Map 1: Railroads of Greater Central Asia (1988)

# Major Russian oil basins

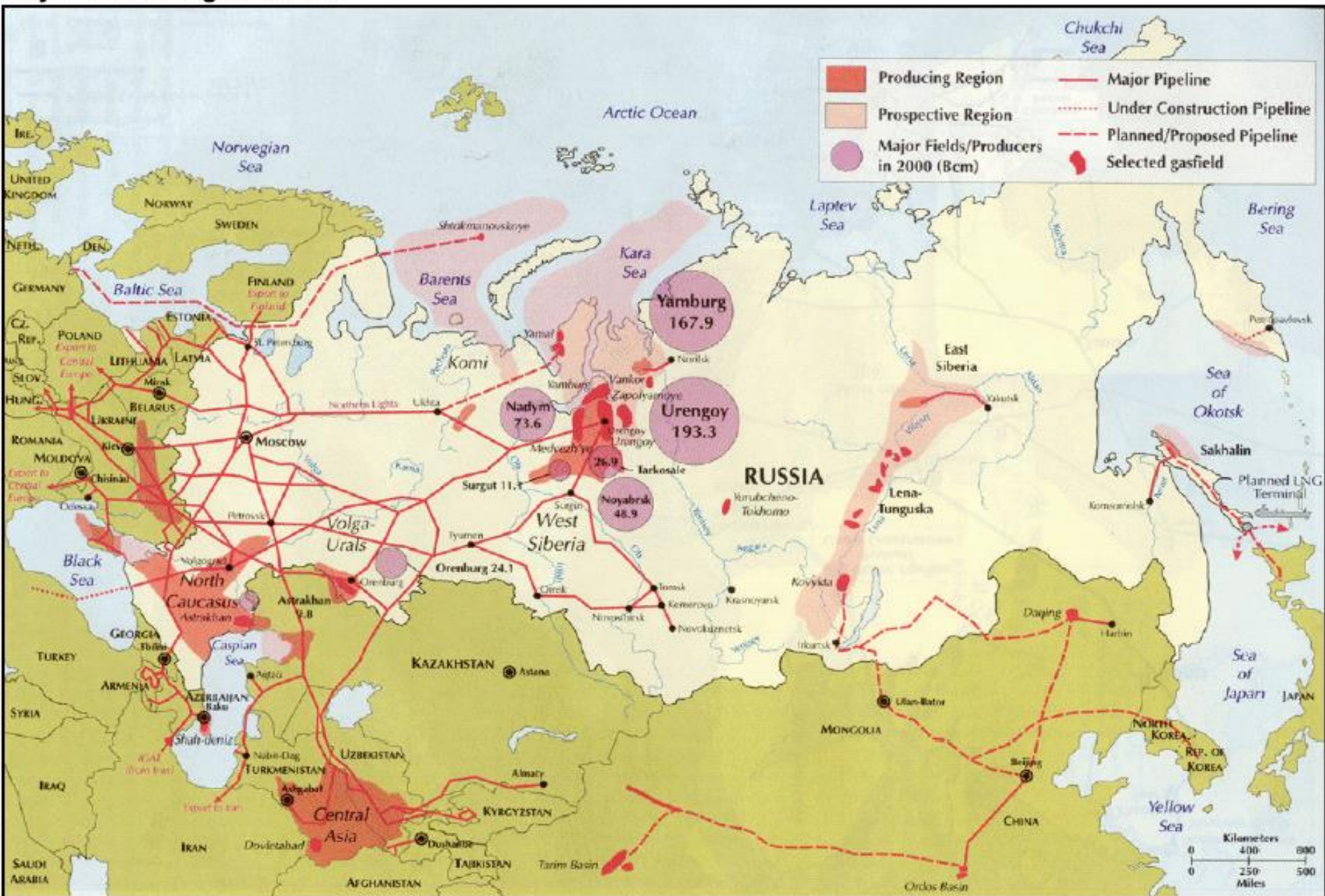


	Major Pipeline		Prospective Region
	Refinery		Producing Region
	Oil Terminal		





# Major Russian gas basins







North Sea

Baltic Sea

Black Sea

Mediterranean Sea

Tyrrhenian Sea

Ionian Sea

Adriatic Sea

Sea of Azov

0 100 200 Kilometers

0 100 200 Miles

Pipeline alignments are approximate

- Existing pipeline
- Existing bypass pipeline
- - - Planned pipeline
- Proposed bypass pipeline
- - - Tanker route
- Selected refinery
- Selected tanker terminal

\*The Former Yugoslav Republic of Macedonia

RUSSIA

GERMANY

POLAND

BELARUS

UKRAINE

ROMANIA

ITALY

GREECE

TURKEY

SYRIA

CZECH REPUBLIC

AUSTRIA

CROATIA

ALBANIA

BULGARIA

GEORGIA

SLOVENIA

LIBERIA

YUGOSLAVIA

KOSOVO

MACEDONIA

SRBIJA

MONTENEGRO

MACEDONIA

ALBANIA

GREECE

TURKEY

SYRIA

IRAN

Rosstock

Berlin

Leipzig

Karlsruhe

Ingobruck

Prague

Vienna

Budapest

Zagreb

Belgrade

Titograd

Debarra

Skopje

Thessaloniki

Neochoropoli

Serres

Aligea

Athens

Atina

Atina

Atina

Atina

Atina

Atina

Atina

Atina

Atina

Atina

Atina

Atina

Gdansk

Warsaw

Rock

Brody

Yuzhnyy

Kherson

Odesa

Novorossiysk

Turkey

Constantinople

Bucharest

Sofia

Bergas

Kiyikoy

Istanbul

Darabonlar

Kasabl (Sirt)

Ankara

Samsat

Erzurum

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Erzurum

Erzurum

LATVIA

LITHUANIA

RUSSIA

Moscow

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# Selected Oil and Gas Pipeline Infrastructure in the Former Soviet Union



**Legend:**

- Producing region (shaded grey)
- Prospective region (light grey)
- Oil pipeline (solid line)
- Gas pipeline (dashed line)
- Proposed/planned oil pipeline (dotted line)
- Proposed/planned gas pipeline (long-dashed line)

**Sources:**  
<sup>a</sup> Wood Mackenzie.  
<sup>b</sup> International Energy Agency (IEA).  
<sup>c</sup> BP.

Oil Production, 2003 <sup>a</sup>	
Region or Basin	Thousand Barrels/Day
West Siberia	5,882
Volga-Urals	1,887
Precaspian	679
South Caspian	454
Timan-Pechora	373
Middle Caspian	261
South Turgay	209
Central Asia	161
North Caucasus	72
Far East	65
Azerbaijan onshore	32
East Siberia	32
Baltic	—
Barents Sea	—
<b>Total Region</b>	<b>10,107</b>
<b>Total World<sup>b</sup></b>	<b>79,110</b>

Gas Production, 2003 <sup>a</sup>	
Region or Basin	Billion Cubic Meters
West Siberia	573.1
Central Asia	90.0
Precaspian	25.9
Volga-Urals	25.1
South Caspian	15.7
East Siberia	8.8
Timan-Pechora	3.6
Far East	1.9
Azerbaijan onshore	0.4
Barents Sea	—
<b>Total Region</b>	<b>744.5</b>
<b>Total World<sup>c</sup></b>	<b>2,618.5</b>







# Russia: Government-Proposed Far East Oil and Gas Pipelines (U)



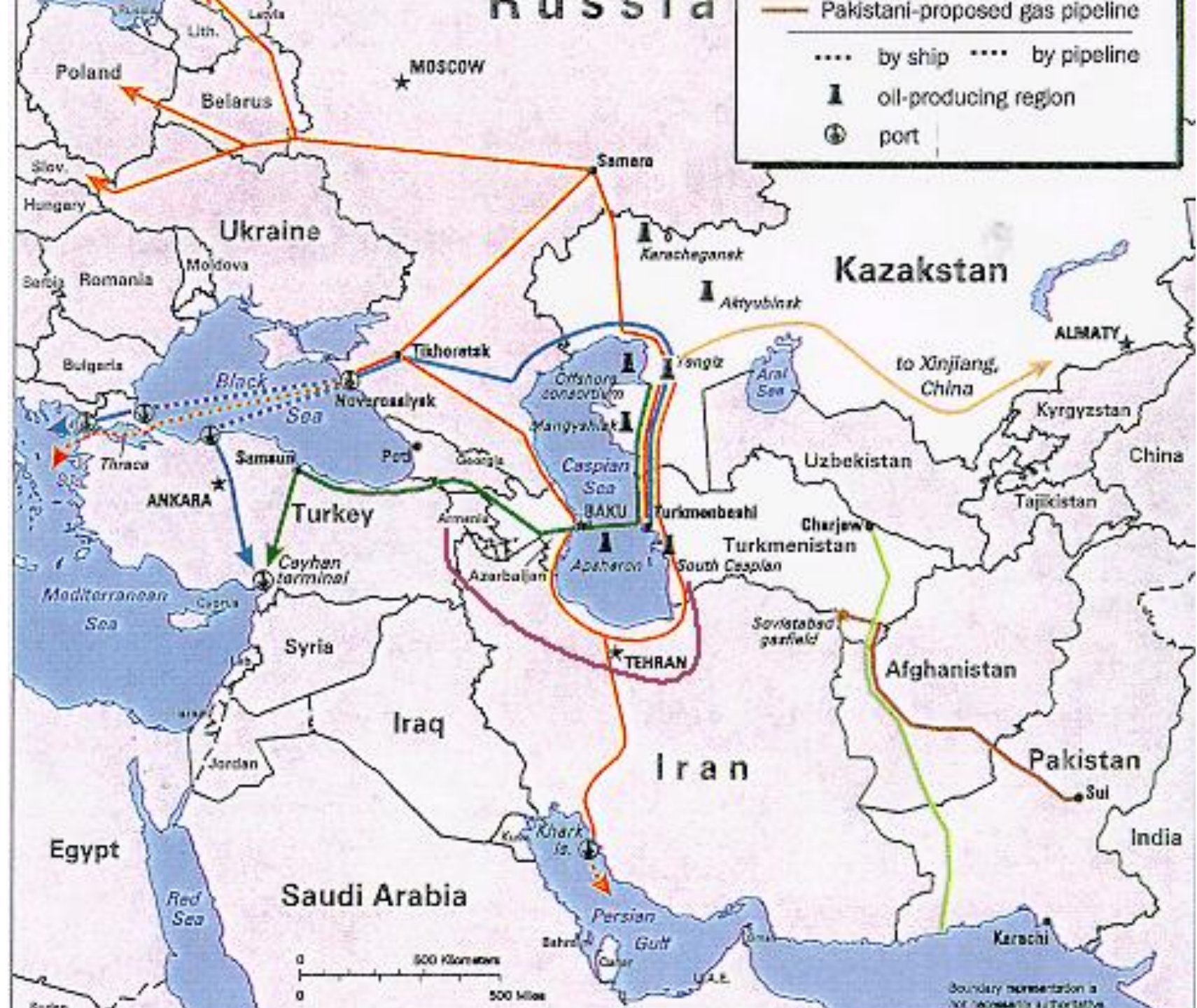
# Russia

— Pakistani-proposed gas pipeline

..... by ship ..... by pipeline

📍 oil-producing region

🚢 port







# Kurdish Areas in the Middle East and the Soviet Union



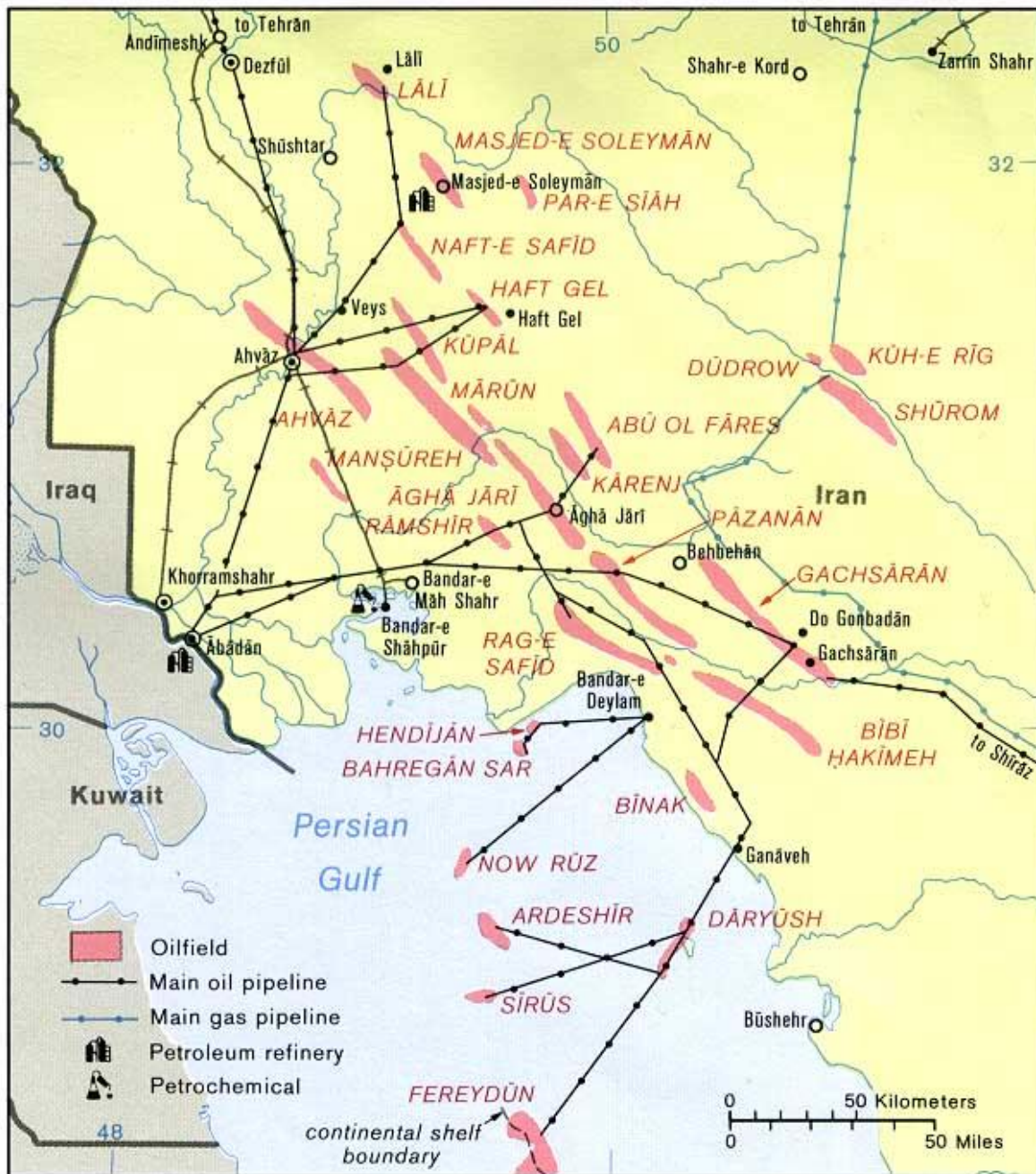


# Key Petroleum Sector Facilities





# Major Iranian Oilfields

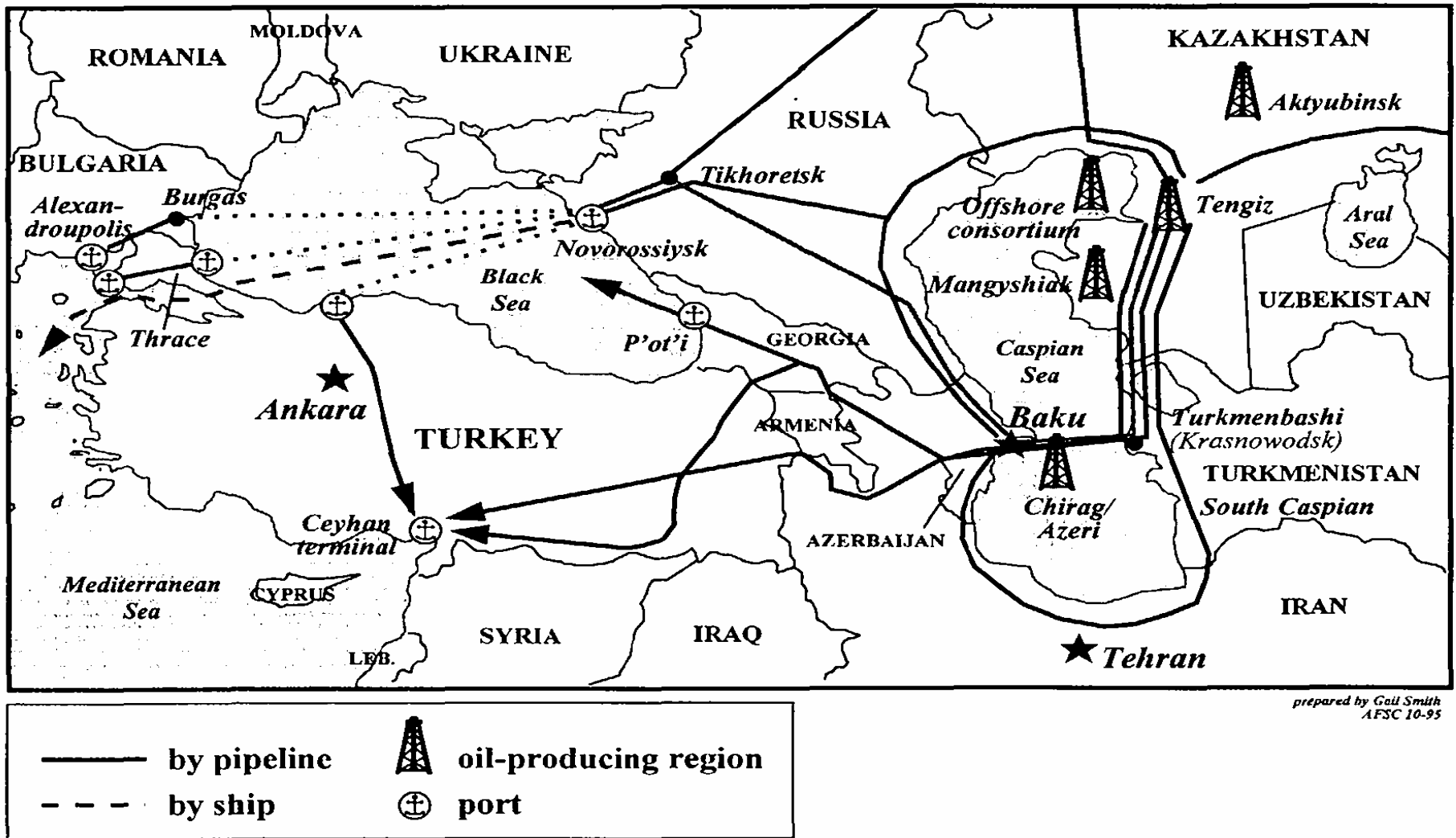












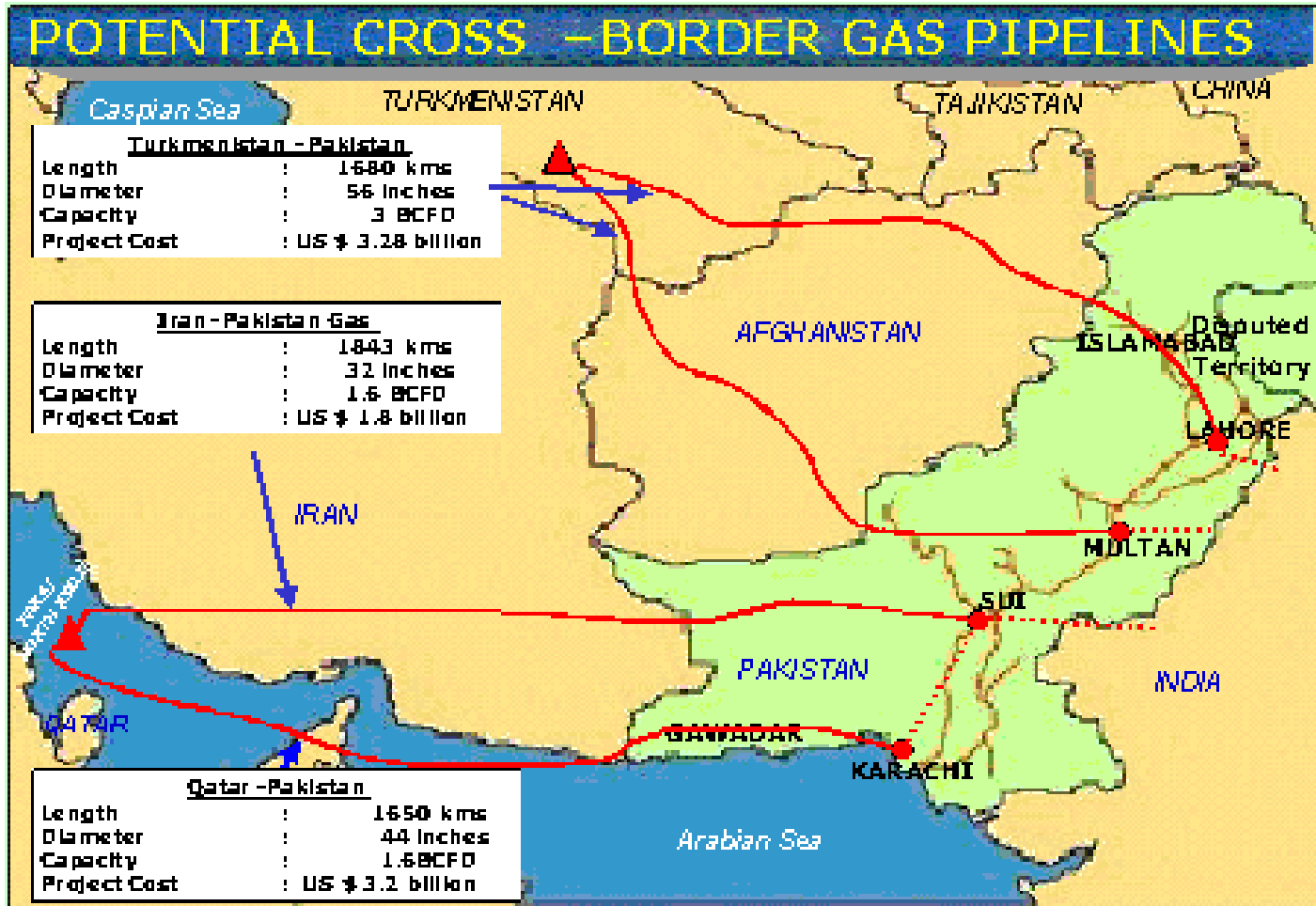
prepared by Gail Smith  
AFSC 10-95

**FIGURE 5. Projected Russian, Turkish, and Iranian routes for transporting oil and gas from Azerbaijan, Kazakhstan, and Turkmenistan**





# TAP-I, IPI & QP-I Pipeline Routes



# FSU Pipeline Infrastructure: Central Asian Geo-economics

Selected Oil and Gas Pipeline Infrastructure in the Former Soviet Union



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# Central Asian Oil & Gas Pipeline Infrastructure



# TAP-I, IPI & QP-I Pipeline Routes

## POTENTIAL CROSS-BORDER GAS PIPELINES

**Turkmenistan - Pakistan**

Length	: 1680 kms
Diameter	: 56 inches
Capacity	: 3 BCFD
Project Cost	: US \$ 3.28 billion

**Iran - Pakistan Gas**

Length	: 1843 kms
Diameter	: 32 inches
Capacity	: 1.6 BCFD
Project Cost	: US \$ 1.8 billion

**Qatar - Pakistan**

Length	: 1650 kms
Diameter	: 44 inches
Capacity	: 1.6 BCFD
Project Cost	: US \$ 3.2 billion













# Greater Southwest Asia

