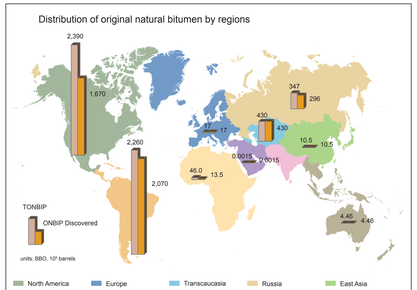
33 natural bitumen basins ranked by volumes of total orginal natural bitumen in place (TONBIP).
(billions of barrels of oil, BBO, 10^9 barrels)

Rank	Continental province	Basins in each type	TONBIP	ONBIP discovered	Discovery is estimated when 1 BBO or more is found
1	Western Canada Sedimentary	IIA	2,330	1,630	703
2	Eastern Venezuela	IICa	2,090	1,900	190
3	North Caspian	IICa	421	421	
4	Volga-Ural	IIA	263	263	
5	Maracaibo	IIIBc	169	169	
6	Tunguska	I	59.5	8.19	51.3
7	Ghana	IIIC	38.3	5.74	32.6
8	Timan-Pechora	IIB	22.0	22.0	
9	North Slope	IICc	19.0	19.0	
10	Lena	IIA	11.7	7.08	4.58
11	Northern North Sea	IIA	10.9	10.9	
12	South Caspian	IIIBc	8.84	8.84	
13	Bohai Gulf	IIIA	7.63	7.63	
14	Paradox	IIB	6.62	4.26	2.36
15	Black Warrior	IIA	6.36	1.76	
16	South Texas Salt Dome	IICc	4.88	3.87	1.01
17	Cuanza	IIIC	4.65	4.65	
18	Bone Gulf	IIIBa	4.46	4.46	
19	Cattaniselta	IICb	4.03	4.03	
20	Nemaha Anticline-Cherokee Basin	IIA	2.95	0.70	2.25
21	Morondava	IIIC	2.21	2.21	
22	Yenisey-Khatanga	IIA	2.21	2.21	
23	Santa Maria	IIIBb	2.03	2.02	<0.01
24	Junggar	IIIA	1.59	1.59	
25	Tarim	IIIA	1.25	1.25	
26	West of Shetlands	IIIC	1.00	1.00	
27	Putumayo	IIA	0.919	0.919	
28	Illinois	I	0.890	0.300	0.590
29	South Oklahoma Folded Belt	IIA	0.885	0.058	0.827
30	South Adriatic	IICb	0.510	0.510	
31	Ventura	IIIBb	0.505	0.505	
32	Gulf of Suez	IIIA	0.500	0.500	
33	Florida-Bahama	IIIC	0.477	0.477	

TONBIP - total original natural bitumen in place
ONBIP - original natural bitumen in place

Distribution of original natural bitumen by regions



See table 8 in report text for listing of countries reporting deposits of heavy oil and/or natural bitumen, grouped by regions shown.

HEAVY OIL AND NATURAL BITUMEN RESOURCES IN GEOLOGICAL BASINS OF THE WORLD: MAP OF SEDIMENTARY PROVINCES REPORTING NATURAL BITUMEN

By Richard F. Meyer, Emil D. Attanasi, and Philip A. Freeman

2007

EXPLANATION

Natural Bitumen Basins: Total Original Natural Bitumen in Place (TONBIP)

(BBO - 10^9 barrels) Name and TONBIP shown

- 1,000 - 2,500
- 100 - 1,000
- 10 - 100
- 1 - 10
- < 1

Known accumulations, volumes not reported

Other Basins

Basin outlines from St. John map of Sedimentary Provinces of the World, 1996

* Trinidad resources tabulated with Eastern Venezuela basin

VAN DER GRINTEN PROJECTION
Mapscale 1: 30 000 000 at the equator

Plates supplement text in full report
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Basin outlines from Sedimentary Provinces of the World – HydroCarbon Productive and Nonproductive, compiled by Bill St. John, The American Association of Petroleum Geologists, CD-ROM (bitmap GIS mapping file AAPG©1996. Basin outlines reprinted by permission of the AAPG whose permission is required for further use. Basins are presented without alteration to illustrate basin architecture and general position of basins.

Basemap Credit
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