

Parallel 2: 45 degrees No of Origin: 41 degrees Nort Linear Unit: Meter Horizontal Datum: North American Datum of 1983 Ellipsoid: Geodetic Reference System 80

COAL MAP OF WYOMING

here the outeron has hurned	COA	L MINES		
kness that can be mapped at			· • •	· · · · · · · · · · · · · · · · · · ·
ne may represent more than	Day	Surface coal mine —Shaded blue areas indicate mined-out/r	eclaimed areas A	nit areas for active mines; hatched ctive proposed or inactive mines
ormation boundaries	\ BLACK THUNDER AMEX COAL INC.	(as of December 2010) in	nclude mine name,	company, permitted or proposed
of Dringing Coal Pagring	32 MW (A)	productive capacity in mil	lions of short tons (MT), and status:
w, for formation names and		I Inactive		
		R Reclaimed		
st of the coal resources in		r rioposeu	mate leastion of mit	a for an abandoned mine and more
, Green River, Hanna, and e fields range from 10 to 30	×	represent more than one	pit; abandoned mi	nes with limited areal extent are
e nelus lange nom 10 to 50		unlabeled		
onomic coals in Wyoming		Underground coal mine—Appr	oximate location o	f entrance, shaft, or underground
h Formation of the Powder		mine workings. Active, in include mine name com	nactive, and propos	ed mines (as of December 2010)
rmation of the Hanna Coal Hole and Wind River coal		millions of short tons (MT), and status:	proposed productive capacity in
50-foot-thick Lake De Smet		A Active		
		R Reclaimed		
Tertiary-age subbituminous		P Proposed		
ds, in the Hanna and Ferris		Symbol may represent m	ore than one entry	y or mine; abandoned mines are
ston Formation of the Hams		symbols:	e coar neids are	labeled accoluting to formation
from 40 to 100 feet thick reent of the annual U.S. coal		Teml middle and	lower Eocene rock	S
oming's coal production is		Kb Bacon Ridg Kf Frontier Fo	ge Sandstone	
on along the eastern edge of e also mined in the central			<u> </u>	
	×	represent more than one pi	i of shallow pit or rospect	underground entry; symbol can
st widespread coal-bearing	,	Cnal lease sale treat Durgey a	of Land Managama	nt (BLM) competitive lease calor
of most coal fields (where		announced for May, June	, July, and August	of 2011. Approximate Lease By
. Cretaceous rocks contain		Application (LBA) bounda	ary	
nous coal. Although most om 30 feet to more than 100	₩ Hoe Creek 1,2 & 3 (I) IN-SI	TU COAL GASIFICATION F	'ROJECTS —Nam	e of project and status as of
e coal deposit in the state is		I inactive or aba	andoned, within last	t five years
ork coal fields. On the map,	FLFC	TRICAL GENERATING PLAT	NTS_Plant_name	company name and namenlate
our subunits: three Upper		capacity in megawatts (MW) as o	f December 2008, a	and status (active unless otherwise
the state of the s		noted): P Proposed		
elds and, for convenience in	Neil Simpson II			
, Wind River, and northern	(80 MW)			
e mined on the eastern flank	North American Power Group, Ltd. (750 MW/(P)	Waste-coal-fired plant		
also occur in the Lance	Afton Wood Products Plant TricoTimber Inc	Cogeneration plant—Abbreviati	ons for primary fue	l used are:
	(9 MW)(w)	n natural gas		
ation/Group (and equivalent	Hartzog	w wood		
use it is the oldest (and	Basin Electric Power Coop (15 MW)(n)	Other generating plants—Abbre	eviations for primar	y fuel used are:
bal fields. Currently, surface		d diesel n natural gas		
f the Hams Fork Coal Field,	Guernsey U.S. Bureau of			
the Green River Coar Field	(6.4 MW)	Hydroelectric plant		
us —Include the Blind Bull, Fork Coal Field The Lower	Duke Energy (29.4 MW)(14)	Wind generating project—Capa	city in megawatts (MW) is total for all units; number of units; symbol may indicate
ecause it is usually mapped	INDUSTRIAL FACILITIES USING COAL—Plant name and company as of December			
tier Formation coals in the thickness (and were once				
eral are shaly, thin, and of		2008, and status:		
	Char Vellau	A Active		
he Bear River Formation of ion of the Black Hills Coal	Cheese Plant Western Dairyman Company (A)	Coal-fired industrial plant		
enough to have been mined	OTH	ER MAP SYMBOLS		
Newcastle and the Aladdin	-+ <u>+-</u> -+-	Railroad —Railroad locations are a	approximate and ger	neralized. Not all tracks and sidings
	UPRR	are shown. Common unit c	coal train routes are	shown in purple; other existing rail
		track. Ownership of tracka	ge:	represent standard gauge, 4 8.3,
coal-bearing rocks in the		BNSF BNSF Raily	way	
		BNSF/UPRR Jointly-own	ed line shared by B	ly NSF and UPRR
:KS		Proposed railroad —Showing diff	ferent routes propos	ed by DM&E (Dakota Minnesota
lowstone Plateau and the	Divi & L	and Eastern Railroad, acqui	red by Canadian Pac	cific)
	(2) 230 KV	Electrical transmission line—Nu	mber of lines (in p	arentheses) and maximum voltage
n the Absaroka Range; may		rating in kilovolts (KV). Or	ily transmission line	s of 115 KV and greater are shown
Cretaceous intrusive and	ВАСТ	ΜΑΡΕΧΡΙ ΑΝΑΤΙΩΝ		
rocks in some areas	DASE	I andforms		Roads
osed at the surface in major	٠	Point of interest	25	Interstate highway
g uplifts where Precambrian		Mountain peak	<u> </u>	US highway
		(calculated centroid)	(59) [59]	State highway County or other road
nate surface trace of the Fork Coal Field from the		Cities		,
	*	State capital County seat	، المحد	Boundaries
		Town	A CARACTER AND A CARACTER ANTICARACTER ANTICA ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICA ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICA ANTICARACTER ANTICARACTER ANTICARACTER ANTICA ANTICARACTER ANTICA ANTICA ANTICA ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICA ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICA ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICARACTER ANTICA ANTICARACTER ANTICARACTER ANTICA ANTICA ANTICA ANTICARACTER ANTICARACTER ANTICARACTER ANTICA ANTICARACTER ANTICA ANTICA ANTICA ANTICA ANTICARACTER ANTICA ANTIC	County boundary
		Water	()	Indian reservation boundary

MAP OF U.S. COAL FIELDS AND PROVINCES EXCLUDING ALASKA





BASE MAP SOURCES Cities layer: Spatial Data and Visualization Center, "Cities, Towns, Census Designated Places of Wyoming at 1:100,000" [based on U.S. Census Bureau information, 1996], at http://resources.wygisc.org/arcgis/services/

Continental Divide boundary layer: A subset of the Wyoming gap analysis land ownership and management status dataset, developed at 1:100,000 scale for Wyoming. County boundaries layer: Spatial Data and Visualization Center, "Internet Mapping Service: Basemap Data for Wyoming," at http://resources.wygisc.org/arcgis/services/

Magnetic declination: Calculated from NOAA National Geophysical Data Center, at http://www.ngdc.noaa.gov/geomagmodels/struts/calcDeclination

PLSS layer: Spatial Data and Visualization Center, 2002; at

http://wygl.wygisc.org/wygeolib/catalog/main/home.page Railroads layer: Joseph M. Huss, (2002); Wyoming State Geological Survey.

Railroads-DM&E layer: Nick Jones, (2004), Wyoming State Geological Survey, *at* http://www.wsgs.uwyo.edu/GIS/DigitalData/Miscellaneous.aspx

Rivers layer: James E. Stafford, Wyoming State Geological Survey, 2009, Water resources map of Wyoming, Roads layer: Spatial Data and Visualization Center, "Wyoming Roads at 1:100,000" [based on U.S. Census

Bureau information, 1997], at http://piney.wygisc.uwyo.edu/data/transportation/road100k.zip State boundaries: "Preliminary integrated geologic map databases for the United States," at http://pubs.usgs.gov/of/2005/1351/

Water layer: James E. Stafford, Wyoming State Geological Survey, 2009, Water resources map of Wyoming, 2009. Wind River Reservation boundary layer: National Atlas of the United States: [dataset extracted from Boundaries: Indian Lands, Raw Data Release, December, 2005], at http://nationalatlas.gov/

Wyoming DEM hillshade: USGS National Elevation Dataset (NED), at http://ned.usgs.gov/

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NOTICE TO USERS OF INFORMATION FROM THE WYOMING STATE GEOLOGICAL SURVEY



Mineable Sub-bituminous Bituminous

INDEX MAP OF COAL FIELDS, GENERALIZED COAL RANKS AND SELECTED MINEABLE DEPOSITS OF WYOMING



STRUCTURAL MAP OF WYOMING