

gh_50mwind

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Identification_Information:

Citation:

Citation_Information:

Originator: TrueWind Solutions/NREL

Publication_Date: November, 2003

Title: gh_50mwind

Geospatial_Data_Presentation_Form: vector digital data

Other_Citation_Details:

The wind power resource estimates were produced by TrueWind Solutions using their MesoMap system and historical weather data under contract to Wind Powering America/NREL. This map has been validated with available surface data by NREL and wind energy meteorological consultants.

Online_Linkage:

http://www.nrel.gov/gis/cfm/data/GIS_Data_Technology_Specific/International/Wind/High_Resolution/Ghana_Wind_High_Resolution.zip

Description:

Abstract:

Annual average wind resource potential for Ghana at a 50 meter height.

Purpose:

Provide information on the wind resource development potential within Ghana.

Supplemental_Information:

This data set has been validated by NREL and wind energy meteorological consultants. However, the data is not suitable for micro-siting potential development projects. This shapefile was generated from a raster dataset with a 200 m resolution, in a UTM zone 12, datum WGS 84 projection system.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: November, 2003

Currentness_Reference: publication date

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -3.392777

East_Bounding_Coordinate: 1.397281

North_Bounding_Coordinate: 11.321884

South_Bounding_Coordinate: 4.539113

Keywords:

Theme:

Theme_Keyword_Thesaurus: wind

Theme_Keyword: wind potential, wind resource

Place:

Place_Keyword: Ghana

Access_Constraints: None

Use_Constraints:

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Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Donna Heimiller

Contact_Organization: National Renewable Energy Laboratory

Contact_Position: Scientist II (GIS)

Contact_Voice_Telephone: 303-384-7098

Contact_Facsimile_Telephone: 303-384-6901

Contact_Electronic_Mail_Address: donna_heimiller@nrel.gov

Native_Data_Set_Environment:

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog 9.3.0.1770

Data_Quality_Information:

Lineage:

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: G-polygon

Point_and_Vector_Object_Count: 1384

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: D_WGS_1984

Ellipsoid_Name: WGS_1984

Semi-major_Axis: 6378137.000000

Denominator_of_Flattening_Ratio: 298.257224

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: gh_50mwind

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: ID

Attribute:

Attribute_Label: GRIDCODE

Distribution_Information:

Resource_Description: Downloadable Data

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.323

Metadata_Reference_Information:

Metadata_Date: 20111212

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: NREL

Contact_Person: Donna Heimiller

Contact_Address:

Address_Type: mailing address
Address: 15013 Denver West Parkway
City: Golden
State_or_Province: CO
Postal_Code: 80401

Contact_Voice_Telephone: 303-275-4667

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile

Generated by [mp](#) version 2.9.6 on Mon Dec 12 09:52:18 2011