ca_50mwind

Metadata also available as

Metadata:

Identification_Information:

Citation:

Citation_Information:

Originator: TrueWind Solutions/NREL
Publication_Date: January, 2003
Title: ca_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.

Description:

Abstract:
Annual average wind resource potential of California at a 50 meter height.
Purpose:
Provide information on the wind resource development potential within California.
Supplemental_Information:
This data set was produced by TrueWind Solutions using their Mesomap system and historical weather data, under funding from the California Energy Commission. It has been validated by NREL and wind energy meteorological consultants. This shapefile was generated from a raster dataset with a 200 m resolution, in a UTM zone 11, datum WGS 84 projection system.
On-site measurement is strongly recommended before siting potential wind farm developments.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: January, 2003

Currentness_Reference: publication date

Status:

Progress: Complete
Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -124.643293
East_Bounding_Coordinate: -114.130598
North_Bounding_Coordinate: 42.010057
South_Bounding_Coordinate: 32.355032

Keywords:

Theme:

Theme_Keyword_Thesaurus:
REQUIRED: Reference to a formally registered thesaurus or a similar authoritative source of theme keywords.
Theme_Keyword: Wind potential, wind resource

Access_Constraints: None
Use_Constraints:
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Native_Data_Set_Environment:
Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog 9.3.0.1770

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: 197434

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: ca_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_Definition: Feature ID
Attribute_Domain_Values:

Attribute:

Attribute_Label: GRIDCODE

Overview_Description:

Entity_and_Attribute_Overview:
Wind power class is an indicator of likely resource strength, with a higher wind power class representing higher wind resource levels. The following classification information is for utility-scale applications at a 50 meter height.
Power Resource 50 m Wind Power Class Potential Density (W/m2) 1 Poor 0 - 200 2 Marginal 200 - 300 3 Fair 300 - 400 4 Good 400 - 500 5 Excellent 500 - 600 6 Outstanding 600 - 800 7 Superb > 800

Distribution_Information:

Resource_Description: Downloadable Data
Distribution_Liability:
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Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 50.055

Metadata_Reference_Information:

Metadata_Date: 20111208
Metadata_Contact:

Contact_Information:

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Contact_Person: Donna Heimiller
Contact_Organization: National Renewable Energy Laboratory

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Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata
Metadata_Standard_Version: FGDC-STD-001-1998
Metadata_Time_Convention: local time
Metadata_Extensions:

Profile_Name: ESRI Metadata Profile

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