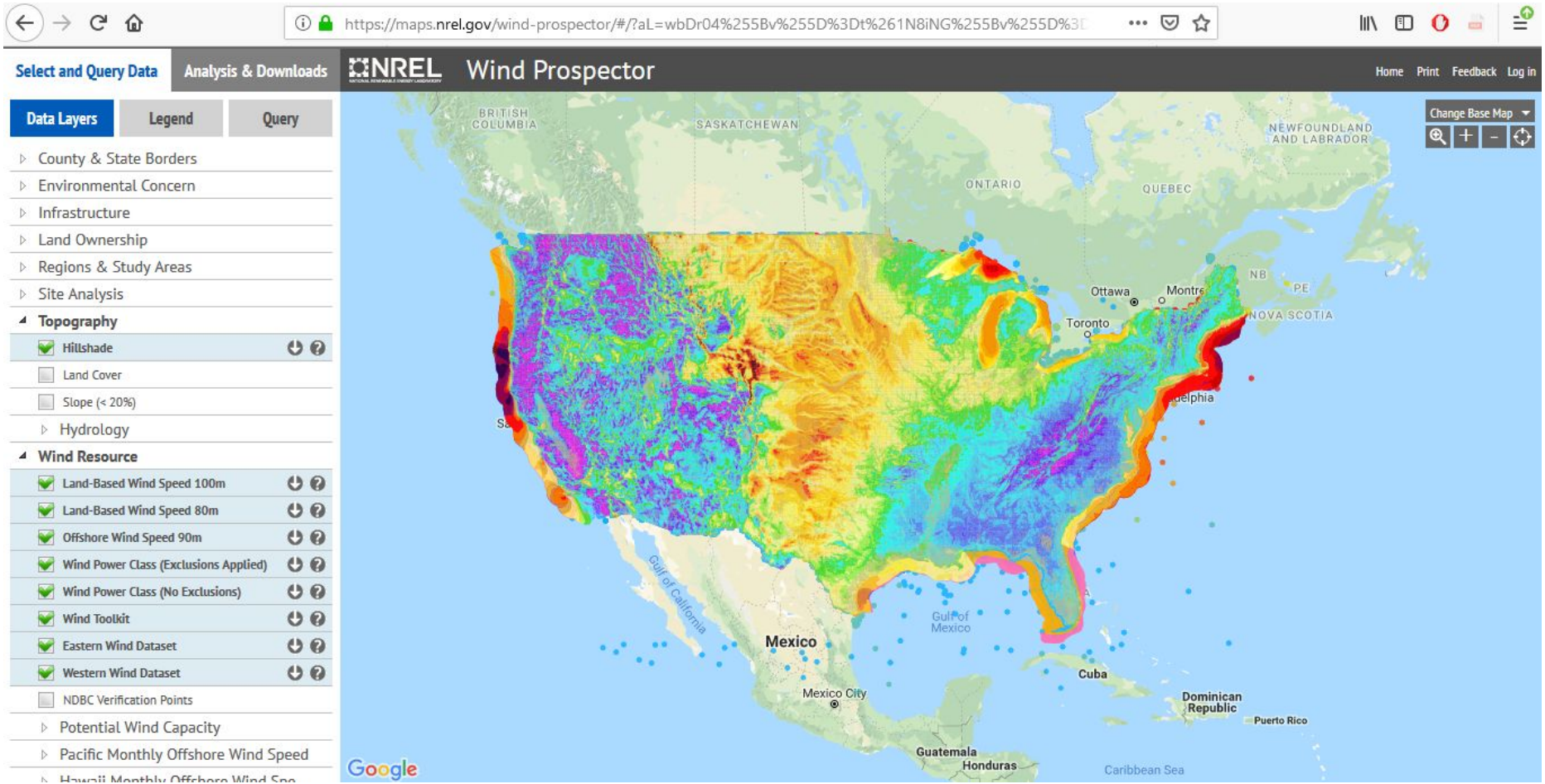
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Slope (< 20%)
Hydrology
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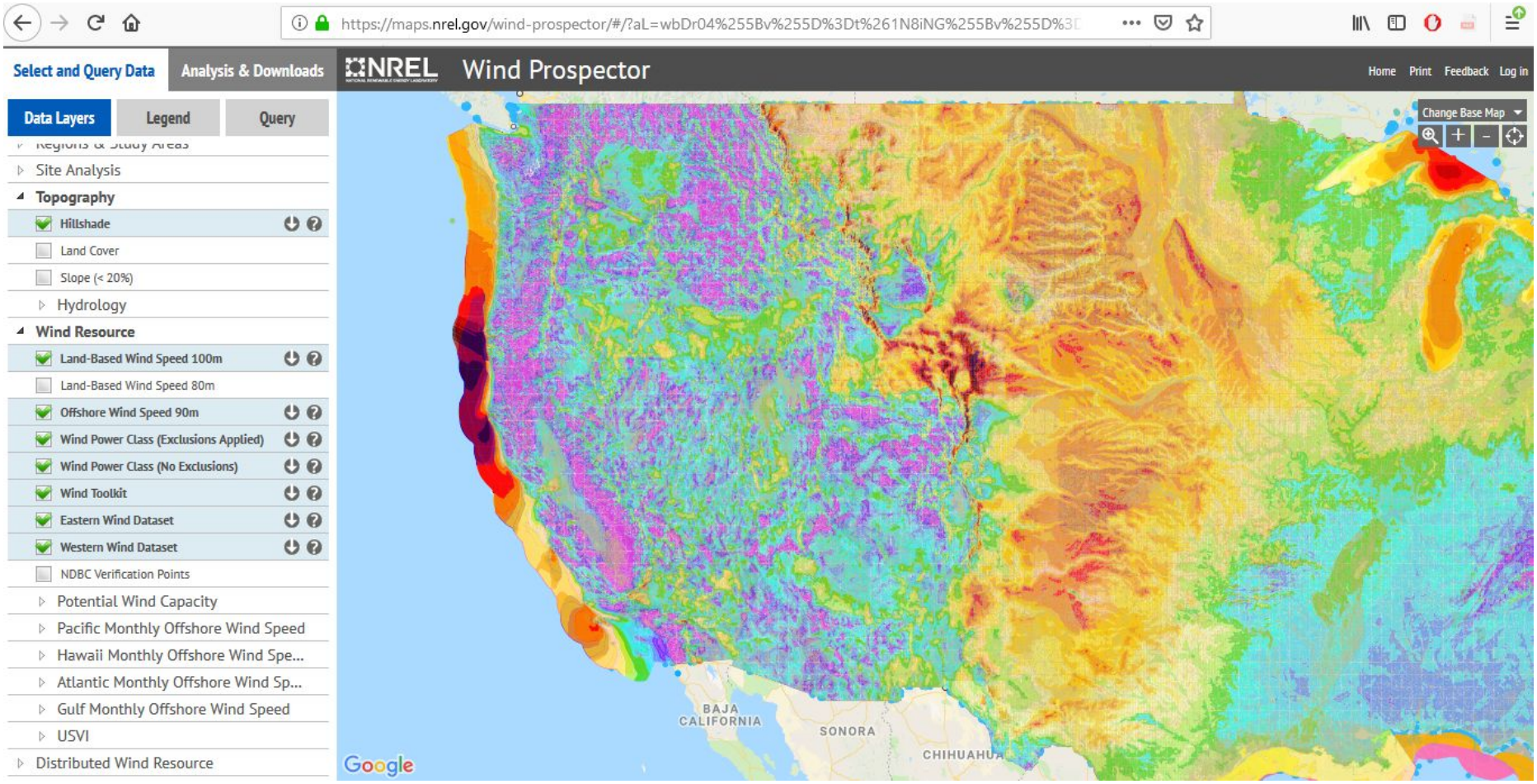
Land-Based Wind Speed 80m
Offshore Wind Speed 90m
Wind Power Class (Exclusions Applied)
Wind Power Class (No Exclusions)
Wind Toolkit
Eastern Wind Dataset
Western Wind Dataset
NDBC Verification Points
Potential Wind Capacity
Pacific Monthly Offshore Wind Speed
Change Base Map
BRITISH COLUMBIA
SASKATCHEWAN
ONTARIO
QUEBEC
NEWFOUNDLAND AND LABRADOR
NB
PE
NOVA SCOTIA
Ottawa
Montre
Toronto
Gulf of California
Gulf of Mexico
Mexico
Mexico City
Cuba
Dominican Republic
Puerto Rico
Guatemala
Honduras
Caribbean Sea
Google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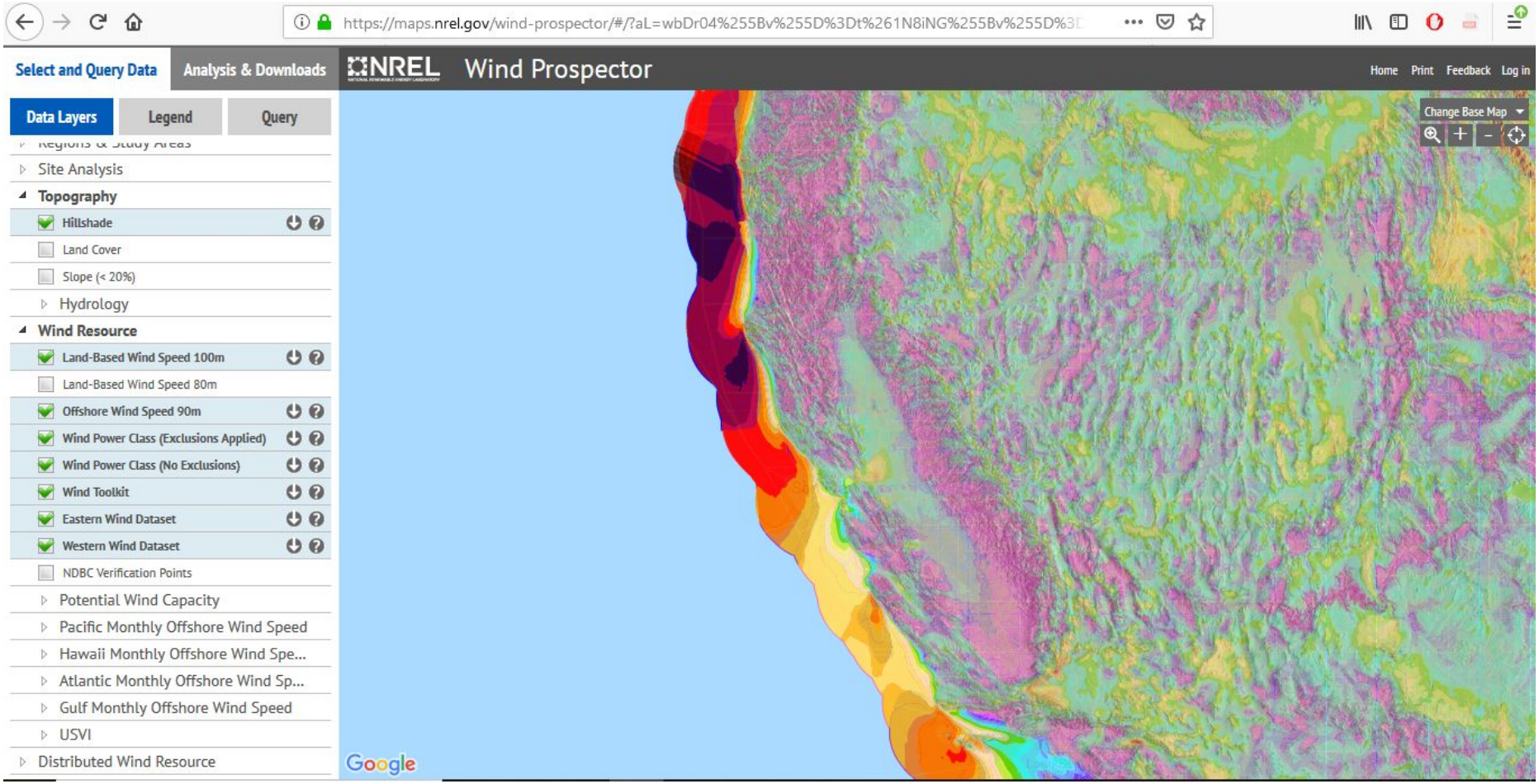
Potential Wind Capacity
Pacific Monthly Offshore Wind Speed
Hawaii Monthly Offshore Wind Spe...
Atlantic Monthly Offshore Wind Sp...
Gulf Monthly Offshore Wind Speed
USVI
Distributed Wind Resource
Change Base Map
BAJA CALIFORNIA
SONORA
CHIHUAHUA
Google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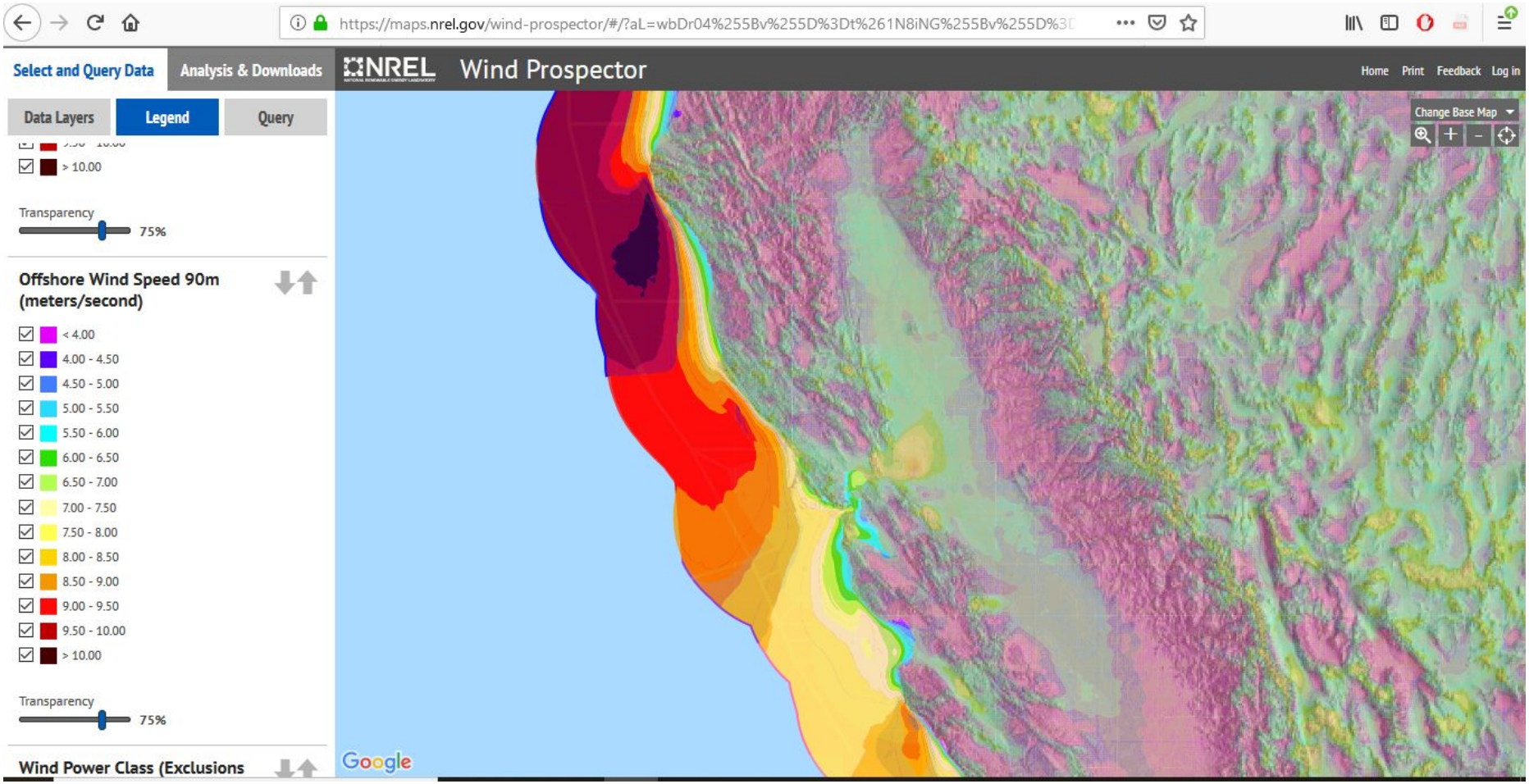
Atlantic Monthly Offshore Wind Sp...
Gulf Monthly Offshore Wind Speed
USVI
Distributed Wind Resource
Change Base Map
Google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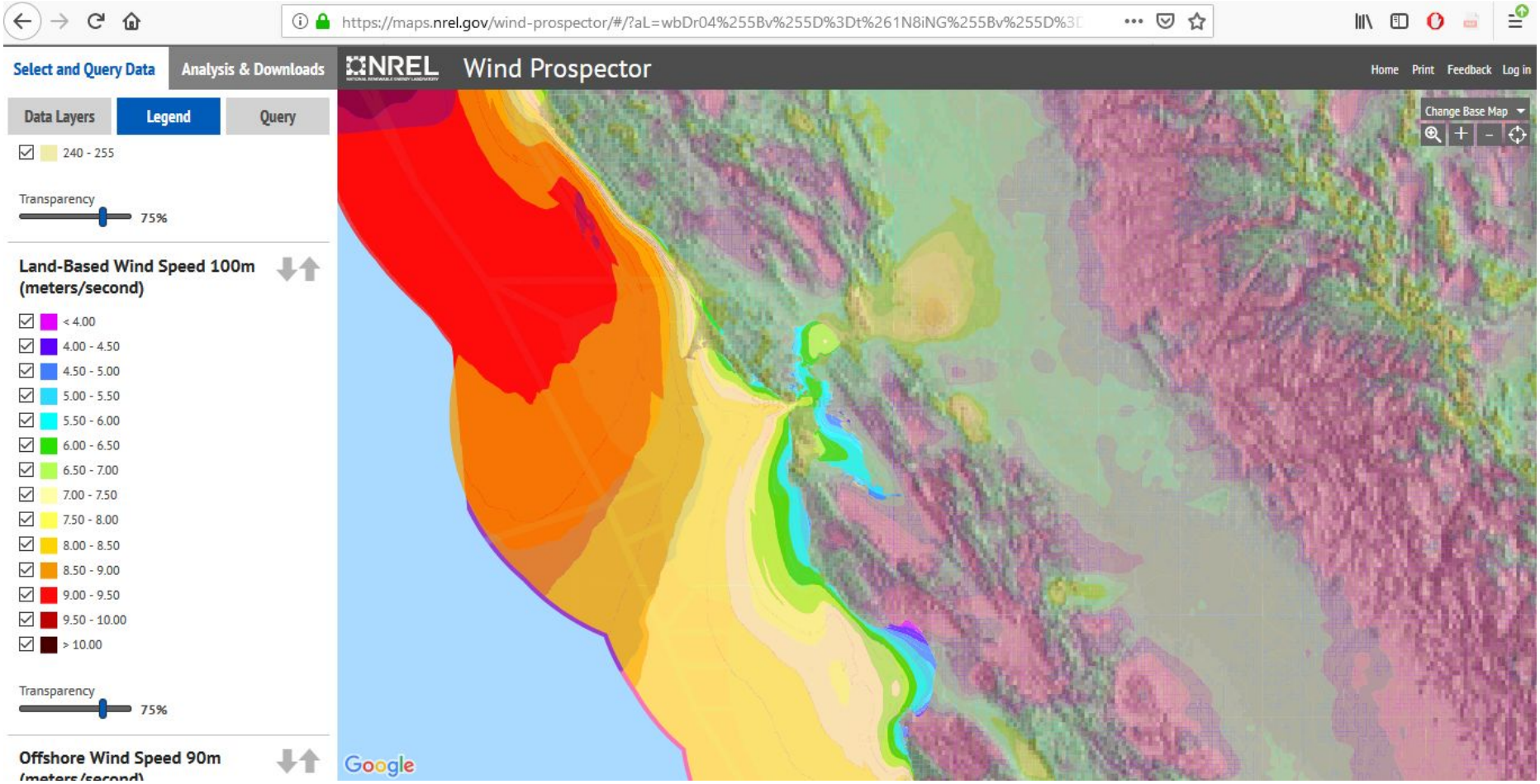
Data Layers
Legend
Query
> 10.00
Transparency
75%
Offshore Wind Speed 90m (meters/second)
< 4.00
4.00 - 4.50
4.50 - 5.00
5.00 - 5.50
5.50 - 6.00
6.00 - 6.50
6.50 - 7.00
7.00 - 7.50
7.50 - 8.00
8.00 - 8.50
8.50 - 9.00
9.00 - 9.50
9.50 - 10.00
> 10.00
Transparency
75%
Wind Power Class (Exclusions
Change Base Map
Google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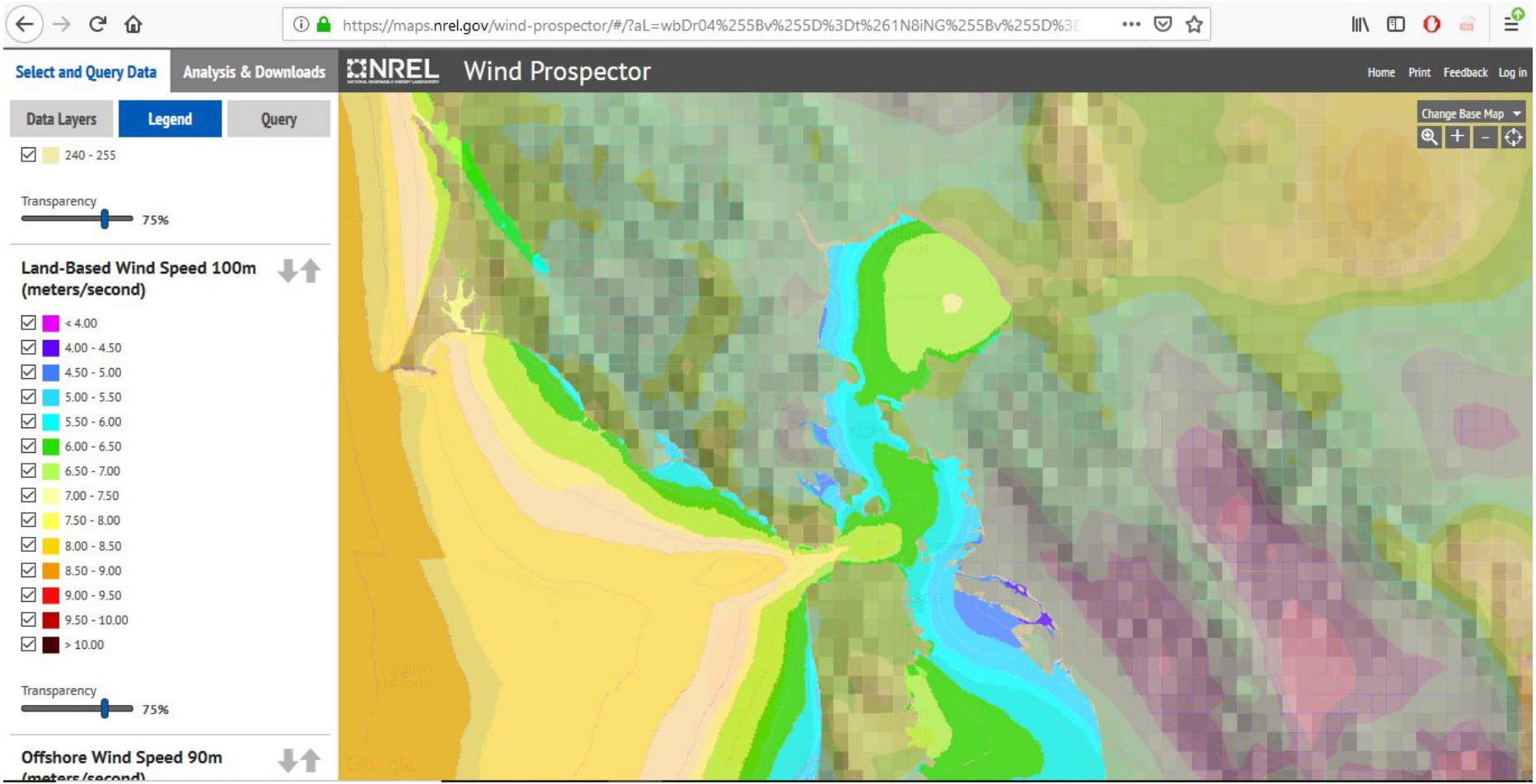
Legend
Query
240 - 255
Transparency
75%
Land-Based Wind Speed 100m (meters/second)
< 4.00
4.00 - 4.50
4.50 - 5.00
5.00 - 5.50
5.50 - 6.00
6.00 - 6.50
6.50 - 7.00
7.00 - 7.50
7.50 - 8.00
8.00 - 8.50
8.50 - 9.00
9.00 - 9.50
9.50 - 10.00
> 10.00
Transparency
75%
Offshore Wind Speed 90m
Change Base Map
Google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Legend
Query
240 - 255
Transparency
75%
Land-Based Wind Speed 100m (meters/second)
< 4.00
4.00 - 4.50
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8.00 - 8.50
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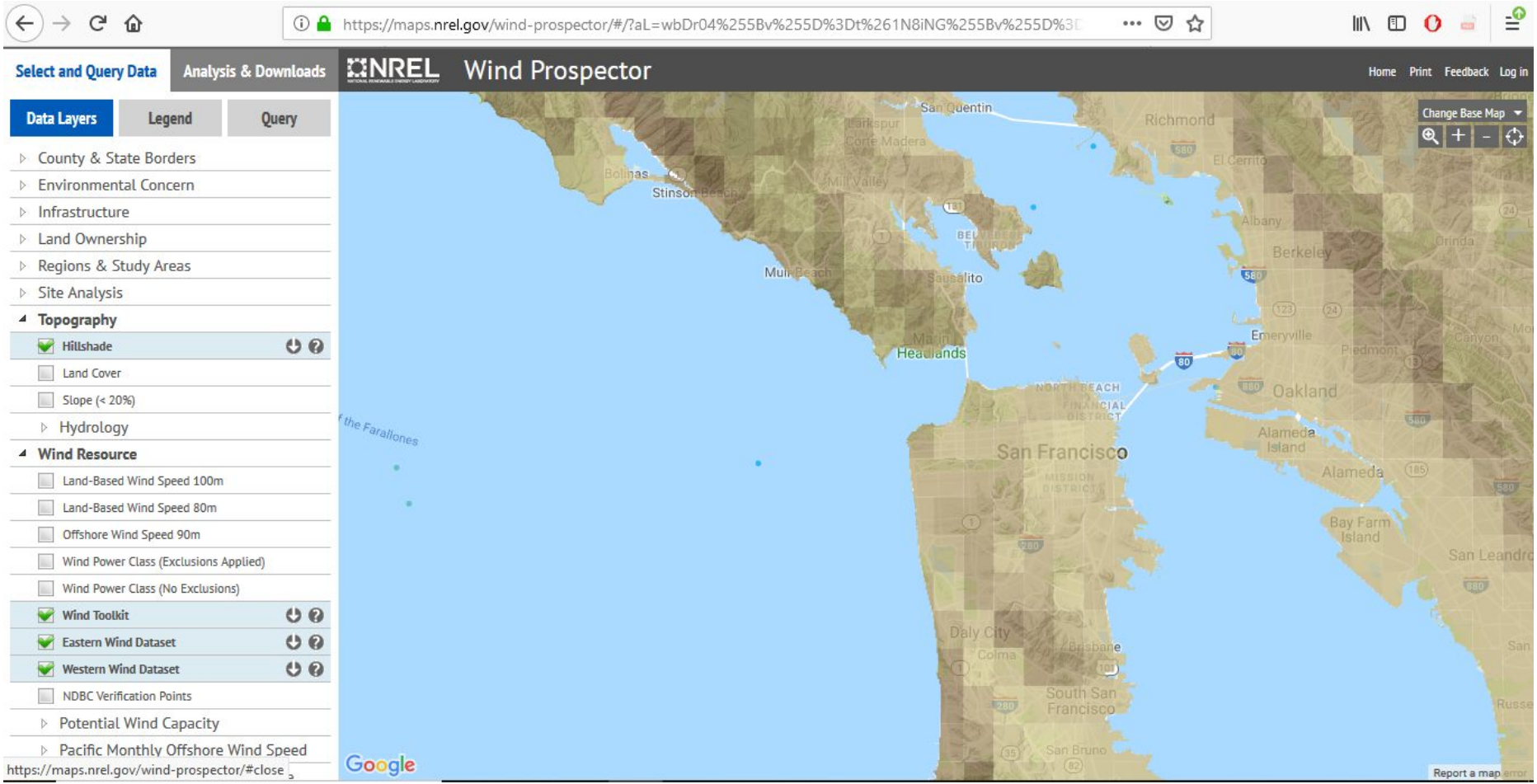
9.00 - 9.50
9.50 - 10.00
> 10.00
Transparency
75%
Offshore Wind Speed 90m
Change Base Map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Wind Power Class (No Exclusions)
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Richmond
Larkspur
Corte Madera
Bolinas
Stinson Beach
Mill Valley
El Cerrito
Albany
Berkeley
Muir Beach
Sausalito
Emeryville
Piedmont
Oakland
Alameda Island
San Francisco
Alameda
Bay Farm Island
Daly City
Colma
South San Francisco
San Bruno
Google
Report a map
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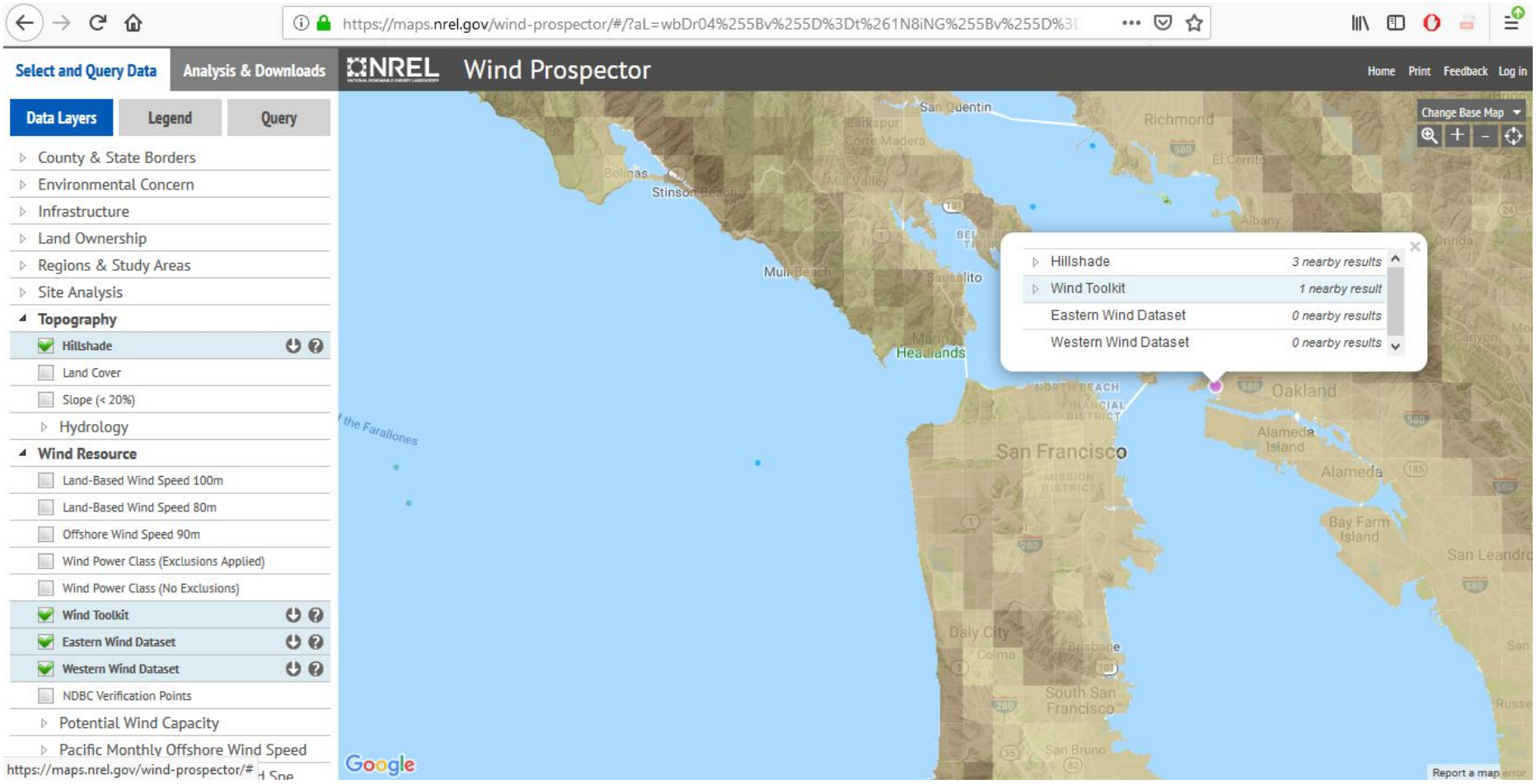
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Land-Based Wind Speed 80m
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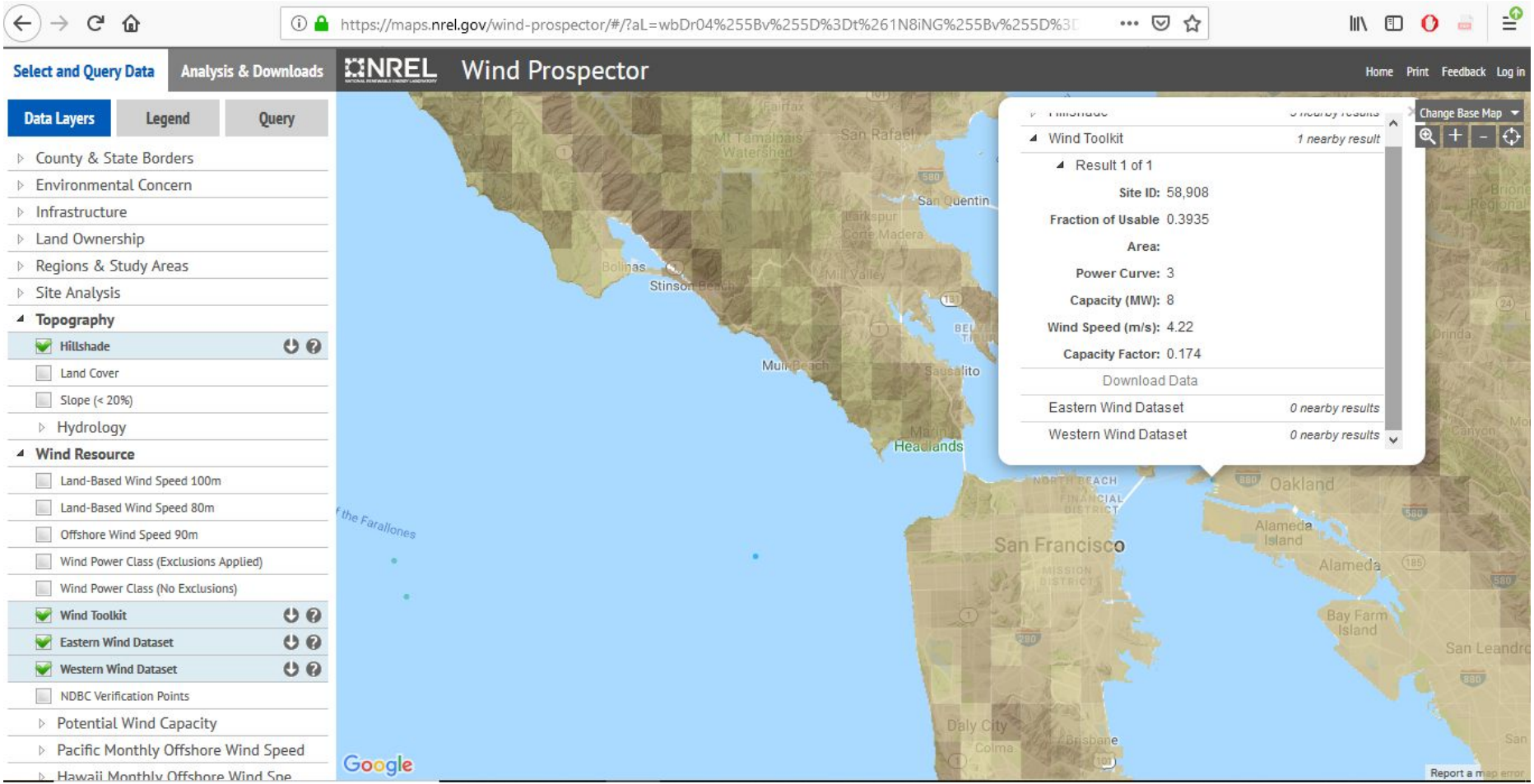
Wind Power Class (No Exclusions)
Wind Toolkit
Eastern Wind Dataset
Western Wind Dataset
NDBC Verification Points
Potential Wind Capacity
Pacific Monthly Offshore Wind Speed
Change Base Map
Hillshade 3 nearby results
Wind Toolkit 1 nearby result
Eastern Wind Dataset 0 nearby results
Western Wind Dataset 0 nearby results
San Quentin
Richmond
Larkspur
Corte Madera
Bolinas
Stinson Beach
Mill Valley
El Cerrito
Albany
Orinda
Muir Beach
Sausalito
Marin Headlands
Oakland
Alameda Island
San Francisco
Alameda
Bay Farm Island
Daly City
Colma
Brisbane
South San Francisco
San Bruno
Google
Report a map error
https://maps.nrel.gov/wind-prospector/#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Land-Based Wind Speed 100m
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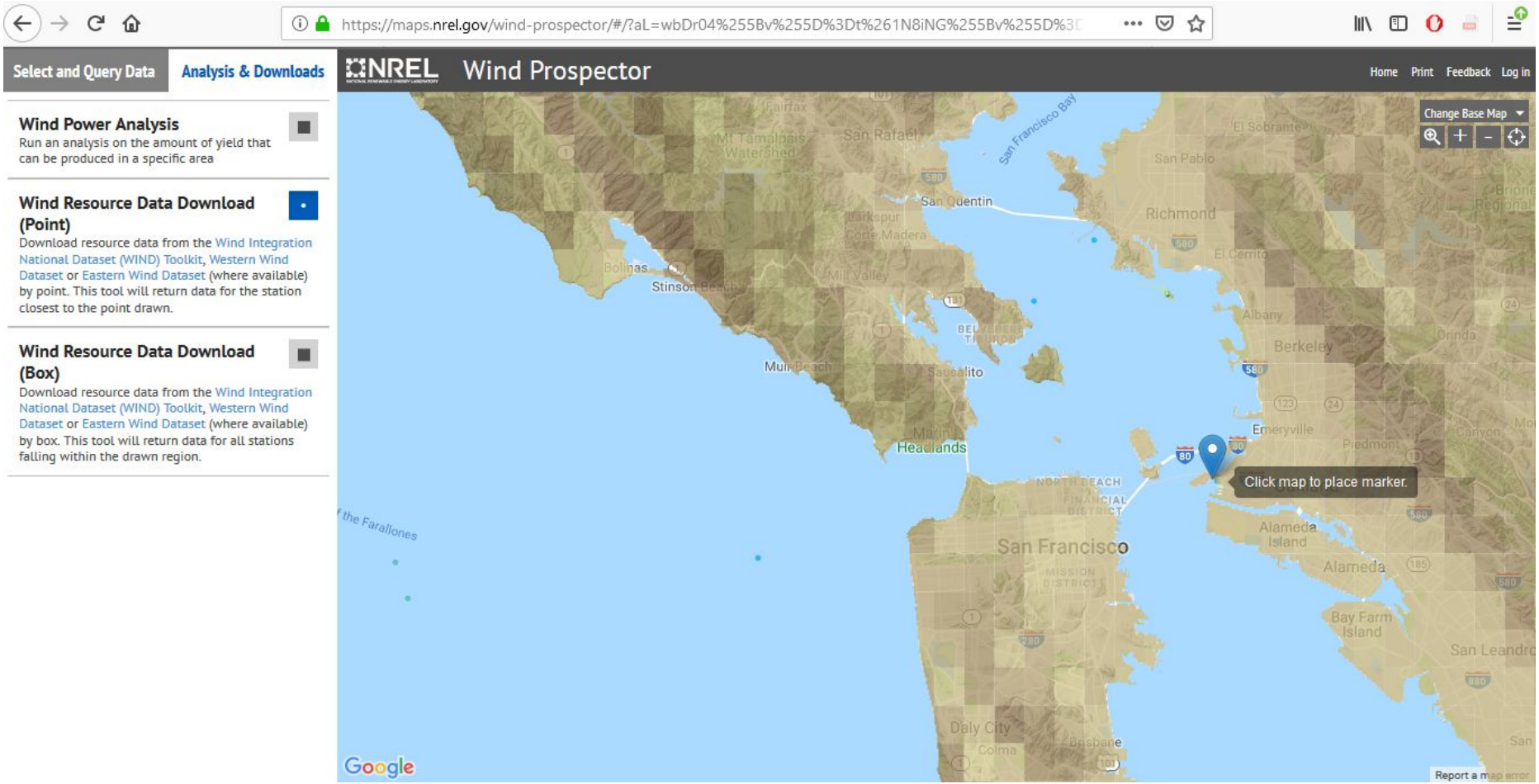
Wind Power Class (Exclusions Applied)
Wind Power Class (No Exclusions)
Wind Toolkit
Eastern Wind Dataset
Western Wind Dataset
NDBC Verification Points
Potential Wind Capacity
Pacific Monthly Offshore Wind Speed
Hawaii Monthly Offshore Wind Spe
Wind Toolkit
1 nearby result
Result 1 of 1
Site ID: 58,908
Fraction of Usable 0.3935
Area:
Power Curve: 3
Capacity (MW): 8
Wind Speed (m/s): 4.22
Capacity Factor: 0.174
Download Data
Eastern Wind Dataset
0 nearby results
Western Wind Dataset
0 nearby results
Change Base Map
San Rafael
San Quentin
Bolinas
Stinson Beach
Mill Valley
Muir Beach
Sausalito
Marin Headlands
San Francisco
Oakland
Alameda Island
Alameda
Bay Farm Island
San Leandro
Daly City
Colma
Brisbane
Google
Report a map error


https://maps.nrel.gov/wind-prospector/#/?aL=wbDr04%255Bv%255D%3Dt%261N8iNG%255Bv%255D%3D
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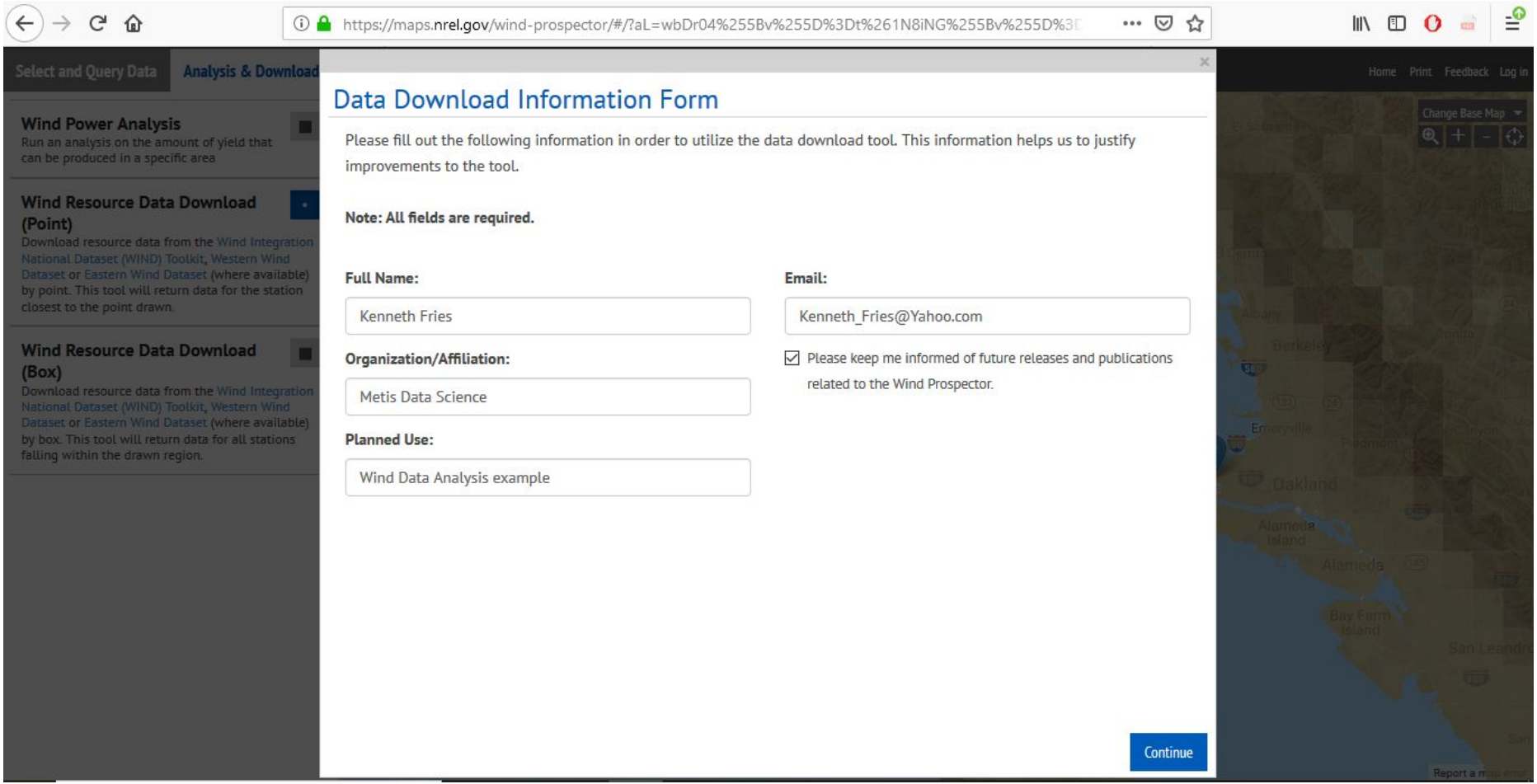
Wind Power Analysis
Run an analysis on the amount of yield that can be produced in a specific area
Wind Resource Data Download (Point)
Download resource data from the Wind Integration National Dataset (WIND) Toolkit, Western Wind Dataset or Eastern Wind Dataset (where available) by point. This tool will return data for the station closest to the point drawn.
Wind Resource Data Download (Box)
Download resource data from the Wind Integration National Dataset (WIND) Toolkit, Western Wind Dataset or Eastern Wind Dataset (where available) by box. This tool will return data for all stations falling within the drawn region.
Change Base Map
San Francisco Bay
San Rafael
Mt Tamalpais Watershed
San Quentin
Richmond
San Pablo
El Sobrante
El Cerrito
Larkspur
Corte Madera
Bolinas
Stinson Beach
Mill Valley
Albany
Berkeley
Orinda
Muir Beach
Sausalito
Emeryville
Piedmont
Marin Headlands
Click map to place marker.
NORTH BEACH
FINANCIAL DISTRICT
San Francisco
MISSION DISTRICT
Alameda Island
Alameda
Bay Farm Island
San Leandro
Daly City
Colma
Brisbane
the Farallones
Google
Report a map error


https://maps.nrel.gov/wind-prospector/#/?aL=wbDr04%255Bv%255D%3Dt%261N8iNG%255Bv%255D%3
Select and Query Data
Analysis & Download
Wind Power Analysis
Run an analysis on the amount of yield that can be produced in a specific area
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Wind Resource Data Download (Box)
Download resource data from the Wind Integration National Dataset (WIND) Toolkit, Western Wind Dataset or Eastern Wind Dataset (where available) by box. This tool will return data for all stations falling within the drawn region.
Data Download Information Form
Please fill out the following information in order to utilize the data download tool. This information helps us to justify improvements to the tool.
Note: All fields are required.
Full Name:
Kenneth Fries
Email:
Kenneth_Fries@Yahoo.com
Organization/Affiliation:
Metis Data Science
Please keep me informed of future releases and publications related to the Wind Prospector.
Planned Use:
Wind Data Analysis example
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Print
Feedback
Log in
Change Base Map
Oakland
Alameda
Berkeley
Emeryville
San Leandro