

**From:** [Wiechman, Lief](#)  
**To:** [Pat Deibert](#)  
**Subject:** Fwd: GRSG Questions about Threat Maps  
**Date:** Tuesday, February 24, 2015 2:45:15 PM  
**Attachments:** [20150107\\_DraftMap\\_GRSGThreatData\\_EnergyDev.jpg](#)  
[20150107\\_DraftMap\\_GRSGThreatData\\_Wind\\_All1.jpg](#)  
[20150107\\_DraftMap\\_GRSGThreatData\\_Wind\\_All2.jpg](#)  
[20150107\\_DraftMap\\_GRSGThreatData\\_OilGas\\_All1.jpg](#)  
[20150107\\_DraftMap\\_GRSGThreatData\\_OilGas\\_All2.jpg](#)

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----- Forwarded message -----

**From:** **Lindstrom, James** <[james\\_lindstrom@fws.gov](mailto:james_lindstrom@fws.gov)>  
**Date:** Wed, Jan 7, 2015 at 3:03 PM  
**Subject:** GRSG Questions about Threat Maps  
**To:** Lief Wiechman <[lief\\_wiechman@fws.gov](mailto:lief_wiechman@fws.gov)>

Hey Lief,

I've been pulling together data for Oil and Gas and wind and had some questions about what you were thinking for map 2 of the 3 map deal.

I made a map for showing Oil and Gas threats on the ground. It's pretty busy showing everything so I made a map showing everything flattened out into 1 layer. I also did that for Wind. The other question in all of this is, should this maps series follow the 13 threats? Meaning, Oil and Gas and Wind are all part of the Energy Development Threat. So should that all be put into one map?

Examples of all of this is attached. Let me know what your thoughts are.

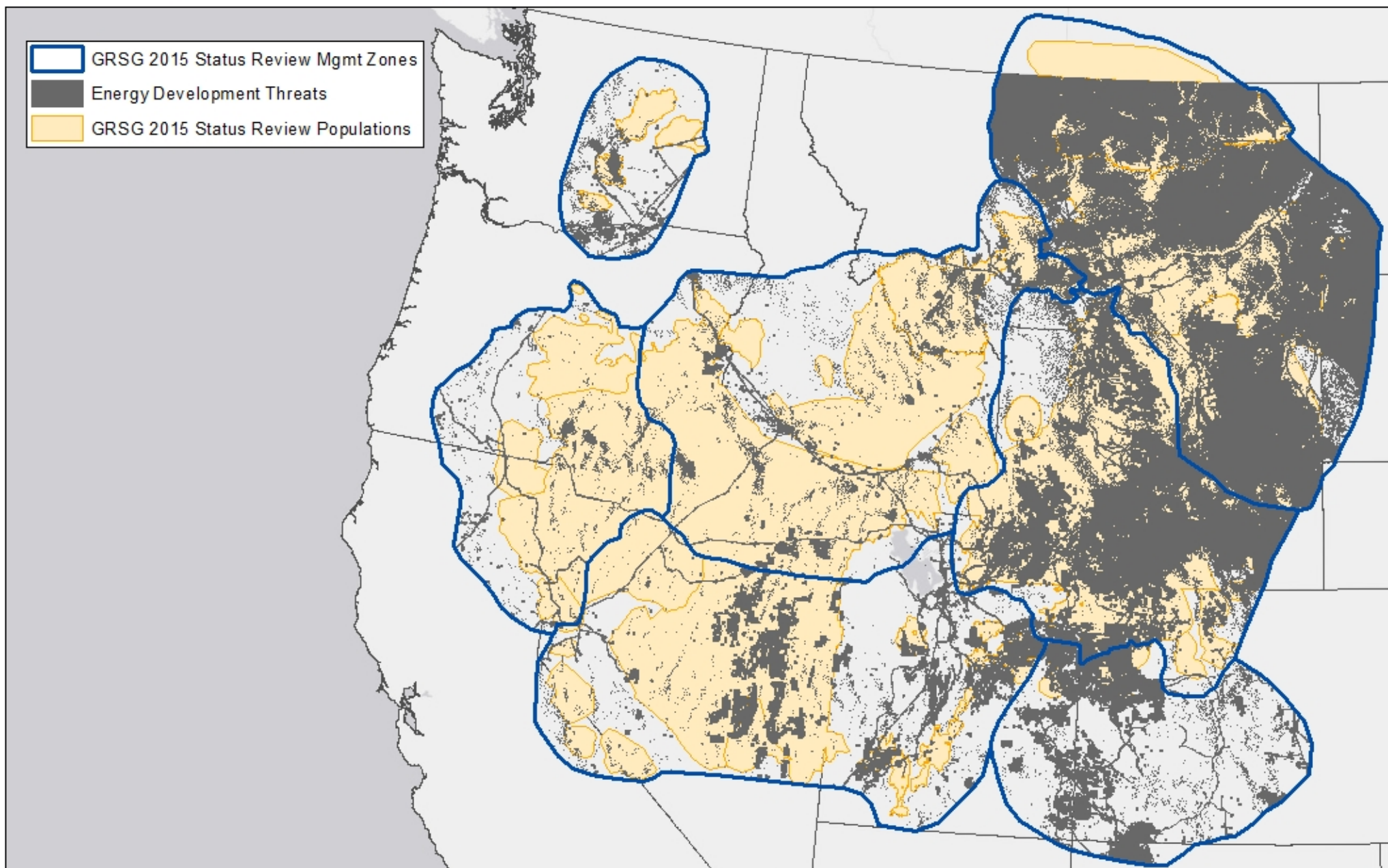
Jim

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Jim Lindstrom  
[james\\_lindstrom@fws.gov](mailto:james_lindstrom@fws.gov)  
Cartographer  
U.S. Fish & Wildlife Service  
Wyoming Ecological Services Field Office  
(307) 772-2374 (Ext 240)



## Draft Map - GRSG Threat Energy Development



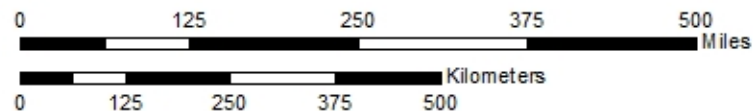
Created By: US FWS, Wyoming ES

Map Date: 1/7/2015

Source: COT, 2013 | IHS | FWS | BLM | WAFWA |

USGS | NREL

Base Map: CanvasWorld Light Gray Esri, HERE, DeLorme, MapmyIndia, ©  
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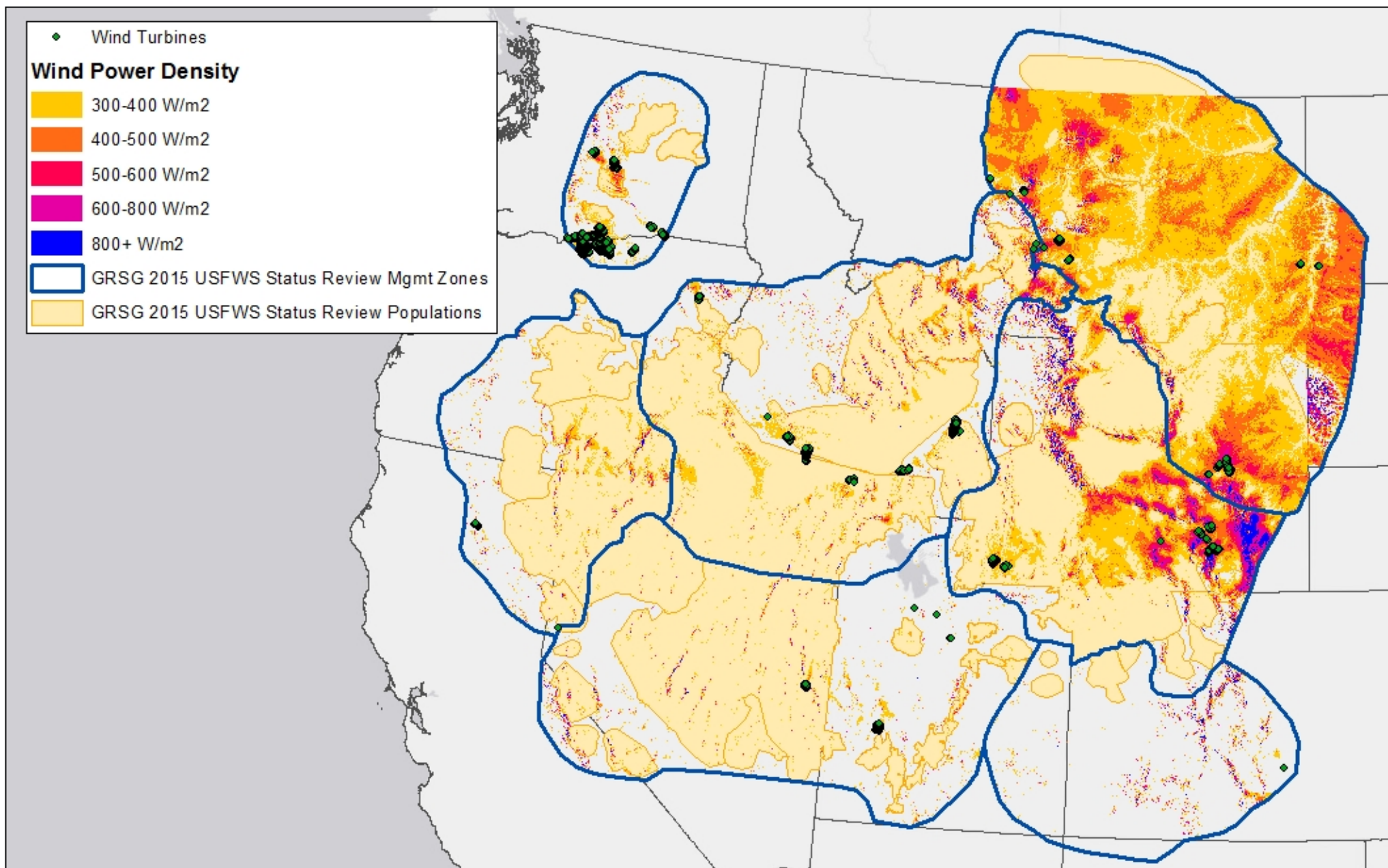
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Datum: NAD 83



## Draft Map - GRSG Threat Wind Power Development

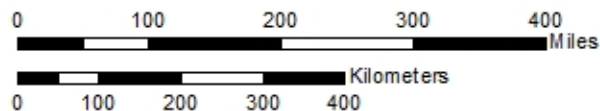


Created By: US FWS, Wyoming ES

Map Date: 1/7/2015

Source: USGS | NREL | FWS | BLM | WAFWA |

Base Map: Service Layer Credits: Esri, HERE, DeLorme,  
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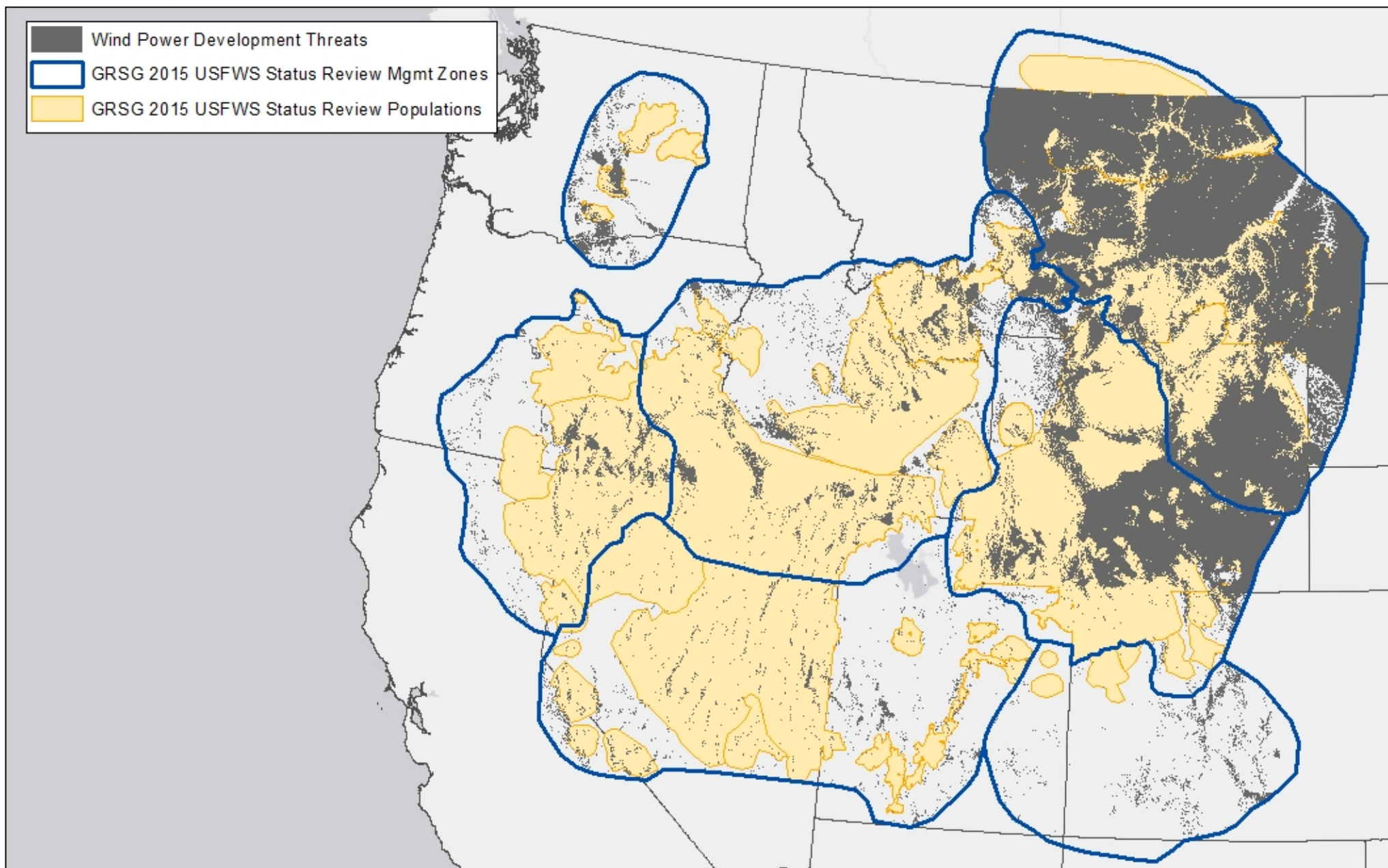


Datum: NAD 83





## Draft Map - GRSG Threat Wind Power Development

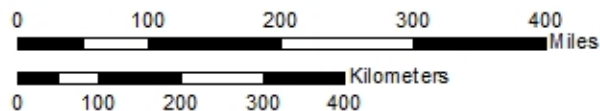


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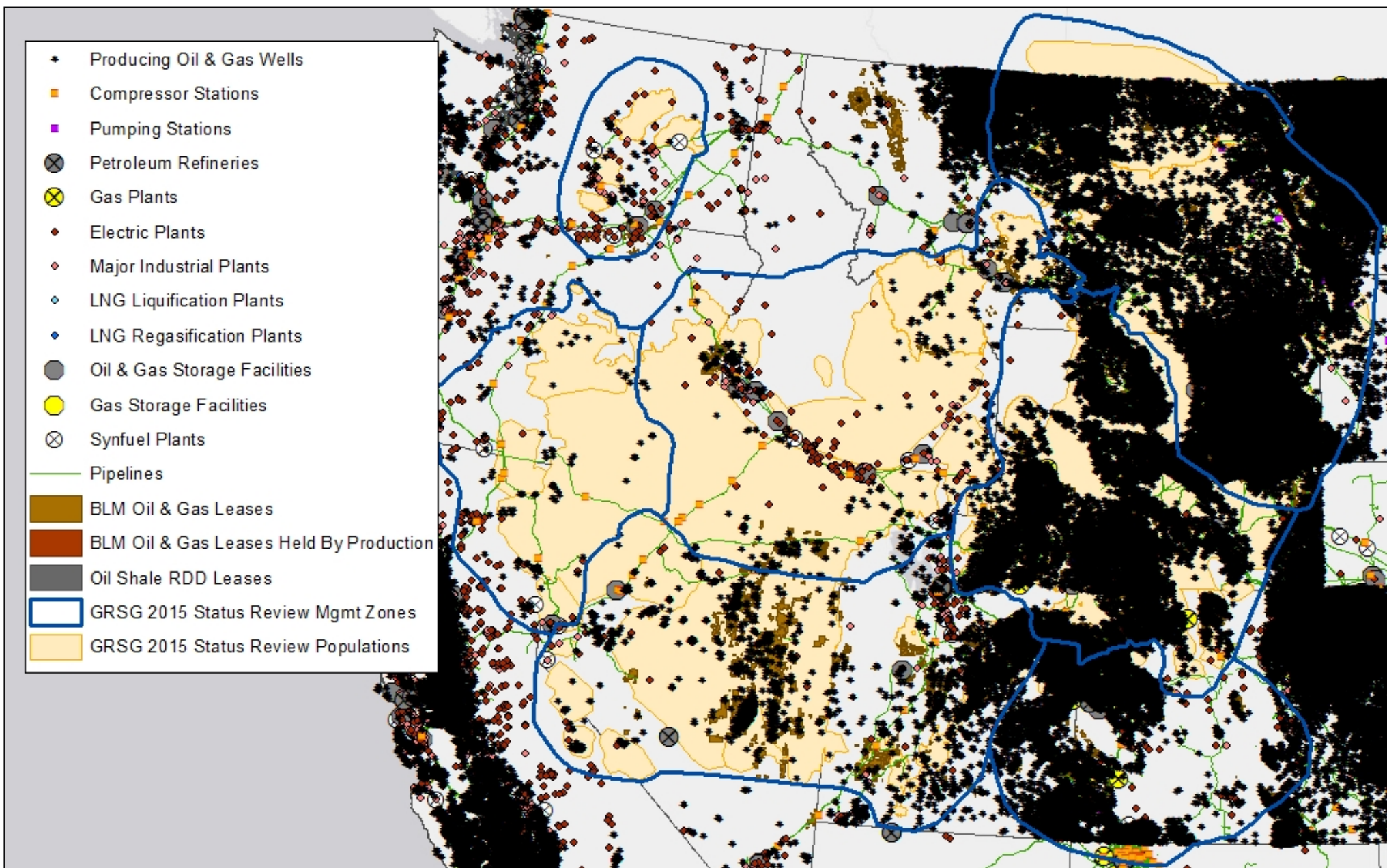
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## Draft Map - GRSG Threat Oil & Gas

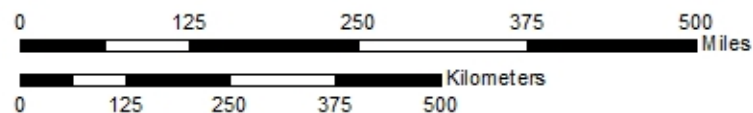


Created By: US FWS, Wyoming ES

Map Date: 1/7/2015

Source: COT, 2013 | IHS | FWS | BLM | WAFWA |

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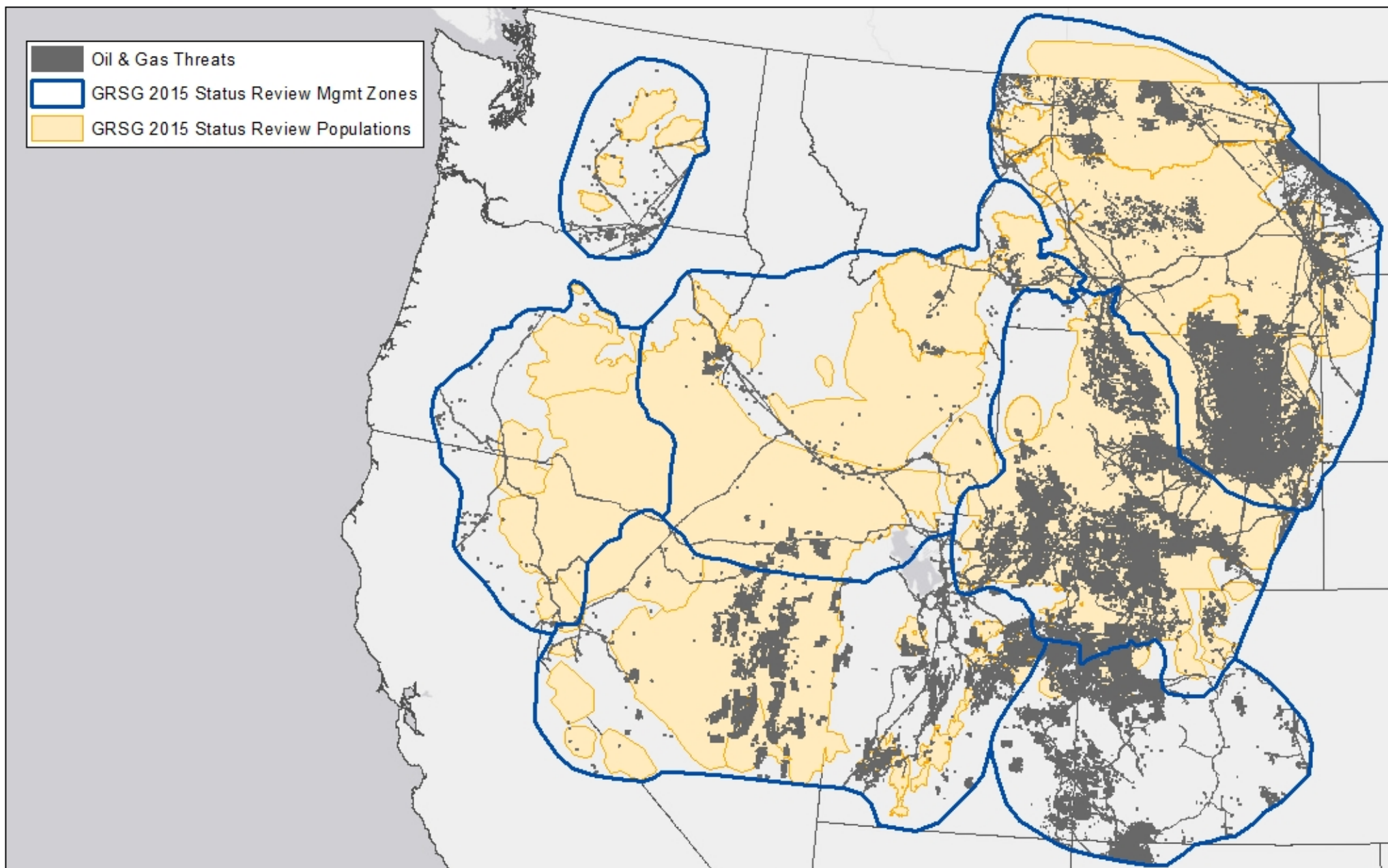


Datum: NAD 83





## Draft Map - GRSG Threat Oil & Gas

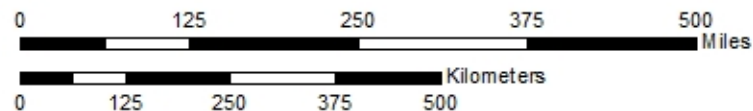


Created By: US FWS, Wyoming ES

Map Date: 1/7/2015

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