GLEAM data request - Lucas Gloege

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## Task:

Summarizing GLEAM ES data by a 2km grid that Luke provided (shapefile). Each 2km cell will have a count of each point feature (beaches, birding, boat launches, municipal water withdrawals, marinas), and their total service delivery (beach visits, birding visits, boat launch parking spaces, water withdrawals, marina slips). Since some parks span multiple 2km cells, visitation will be assigned proportionally (area-weighted).

Product:

grid\_WGS84\_ES.shp

Field Map:

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| --- | --- |
| **Field Name** | **Description** |
| GRID\_FID | Matches FID\_1 in original shapefile |
| BEACHES | Number of beaches |
| FLICKR | Number of FLICKR photos at beaches |
| BIRDHTSPT | Number of e-bird birding hotspots |
| BIRDVISITS | Number of logged visits to hotspots |
| BOATLAUNCH | Number of boat launches |
| BOATLPARK | Number of boat launch parking spaces |
| MARINAS | Number of marinas |
| MARSLIPS | Number of marina slips |
| PARKS | Number of parks |
| PARK\_AREA | Park area in 2km cell (square kilometers) |
| PARK\_VISIT | Area-weighted annual park visitation |
| WATINTAKE | Number of municipal water intake pipes |
| WATWITHDWL | Water withdrawals in millions of gallons/year |