

Pt. Defiance Park Bioblitz Summary

May 20-21, 2011

Goals

There were 2 major goals for the Bioblitz:

1. Forest Stewardship Council (FSC) certification requires land owners to inventory and monitor their forests. Pt. Defiance Parks is FSC certified. The Bioblitz results will guide MetroPark's habitat management plans.
2. Pt. Defiance Zoo and Aquarium is a *NatureMapping* Center and one of the Center's requirements is to conduct monitoring. The Bioblitz created the baseline inventory for further monitoring.

Results

The park, outside of the Rose Garden and pools within the Zoo, has no ponds and streams that are intermittent at best. Many of the amphibians that were not observed are considered pond breeders. We were hoping to find small pockets of wetlands, but only one small one was found.

It is recommended to conduct a winter 8-hour blitz for birds that are predicted but usually seen during the winter or shorebirds during migration.

Birds associated with shoreline, Puget Sound and freshwater ponds (which would be at the Rose Garden) are listed above as a separate category, although their numbers (47 predicted and 14 observed) are included in the total Birds category.

Because of the density of the underbrush, live traps would be needed to verify the presence for the small mammals, such as mice and voles.

Rather than using *NatureMapping*'s Puget Sound nearshore species list the predicted species were selected from the REEF database that included deeper water species (50). The final predicted listed is the result from the bioblitz's observed and predicted species (115).

The terrestrial invertebrates have yet to be tallied.

| | Predicted | Observed |
|---------------------------|-----------|----------|
| Amphibians | 9 | 3 |
| Reptiles | 7 | 2 |
| Birds | 129 | 67 |
| Shoreline and water birds | 47 | 14 |
| Mammals* | 37 | 13 |
| Bats | 8 | 4 |
| Plants | x | 152 |
| Fungi | x | 34 |
| Nearshore | (50) 115 | 72 |
| Fish | x | 5 |
| Terrestrial invertebrates | x | |
| | | |
| * included marine mammals | | |