

Altamont Pass Wind Resource Area Avian Fatality Monitoring

Quarterly Update
October-December 2011

Jesse Schwartz
Portland, Oregon



General Updates

- 2010 Bird Year
 - Successful paperless data/photos for last quarter (June-September)
 - Data under review by Levin
 - Developing public review draft of data and report
- 2011 Bird Year
 - Implemented 2nd Rotating Panel Design
 - Completed seasonal shutdown and searches
 - Acquired 30 small birds (8 small raptors) for placement
 - Completed review of Sue Orloff removal data

2010 Fatalities

All Birds

| Bird Group | Total |
|------------------------------|-------------|
| Native-Large-Non-raptor | 145 |
| Native-Large-Raptor | 279 |
| Native-Medium-Non-raptor | 80 |
| Native-Medium-Raptor | 15 |
| Native-Small-Mammal | 3 |
| Native-Small-Non-raptor | 122 |
| Native-Small-Raptor | 68 |
| Non-Native-Medium-Non-raptor | 230 |
| Non-Native-Small-Non-raptor | 84 |
| #N/A | 16 |
| Grand Total | 1042 |

Focal Species

| Common Name | Total | Annual Average* |
|--------------------|------------|-----------------|
| American kestrel | 40 | 38.6 |
| burrowing owl | 28 | 50.4 |
| golden eagle | 14 | 22.3 |
| red-tailed hawk | 150 | 99.9 |
| Grand Total | 232 | 210.7 |

*Does not include QAQC and not from an equal number of turbines. Should not be interpreted as an estimate of fatalities; only represents level of work completed by the Monitoring Team

2010 Placements

| BirdGroup | CommonName | Incidental | Placed | Grand Total | |
|------------------------------|----------------------|------------|--------|-------------|----|
| Native-Large-Non-raptor | American crow | | | 2 | 2 |
| | California gull | | | 3 | 3 |
| | common raven | | | 4 | 4 |
| | unidentified gull | | | 1 | 1 |
| | western gull | | | 1 | 1 |
| Native-Large-Raptor | barn owl | | | 8 | 8 |
| | ferruginous hawk | | | 1 | 1 |
| | great-horned owl | | | 2 | 2 |
| | red-tailed hawk | | | 15 | 15 |
| | turkey vulture | | | 2 | 2 |
| Native-Medium-Non-raptor | mallard | | | 3 | 3 |
| | mourning dove | | | 1 | 1 |
| | western scrub-jay | | | 2 | 2 |
| Native--Non-raptor | lesser goldfinch | | | 1 | 1 |
| Native-Small-Non-raptor | Brewers blackbird | | | 3 | 3 |
| | dark-eyed junco | | | 1 | 1 |
| | hermit thrush | | | 1 | 1 |
| | savannah sparrow | | | 1 | 1 |
| | violet-green swallow | | | 1 | 1 |
| Native-Small-Raptor | western meadowlark | | | 6 | 6 |
| | American kestrel | | | 8 | 8 |
| | burrowing owl | | | 4 | 4 |
| Non-Native-Medium-Non-raptor | rock pigeon | | 1 | 12 | 13 |
| Non-Native-Small-Non-raptor | European starling | | | 7 | 7 |
| Grand Total | | | 1 | 90 | 91 |

QAQC Birds Collected

Off-Site

| Bird Group | CommonName | Total |
|-----------------------------|--------------------------|------------------|
| Native-Small-Non-raptor | dark-eyed junco | 1 |
| | hermit thrush | 1 |
| | house finch | 4 |
| | northern mockingbird | 1 |
| | pacific-slope flycatcher | 1 |
| | unidentified blackbird | 1 |
| | unidentified sparrow | 2 |
| | unidentified wren | 1 |
| | white-crowned sparrow | 1 |
| | Native-Small-Raptor | American kestrel |
| burrowing owl | | 2 |
| Non-Native-Small-Non-raptor | European starling | 2 |
| | house sparrow | 4 |
| Grand Total | | 26 |

On-Site

| Bird Group | CommonName | Total |
|-----------------------------|-------------------|----------|
| Native-Small-Raptor | burrowing owl | 1 |
| Non-Native-Small-Non-raptor | European starling | 3 |
| Grand Total | | 4 |

Next Steps

- October-Dec 2011 data transfer and fatality data review
- Complete QAQC placements
- Update detection probability curves with subcommittee
- Bird Year 2010 public review draft data and report