

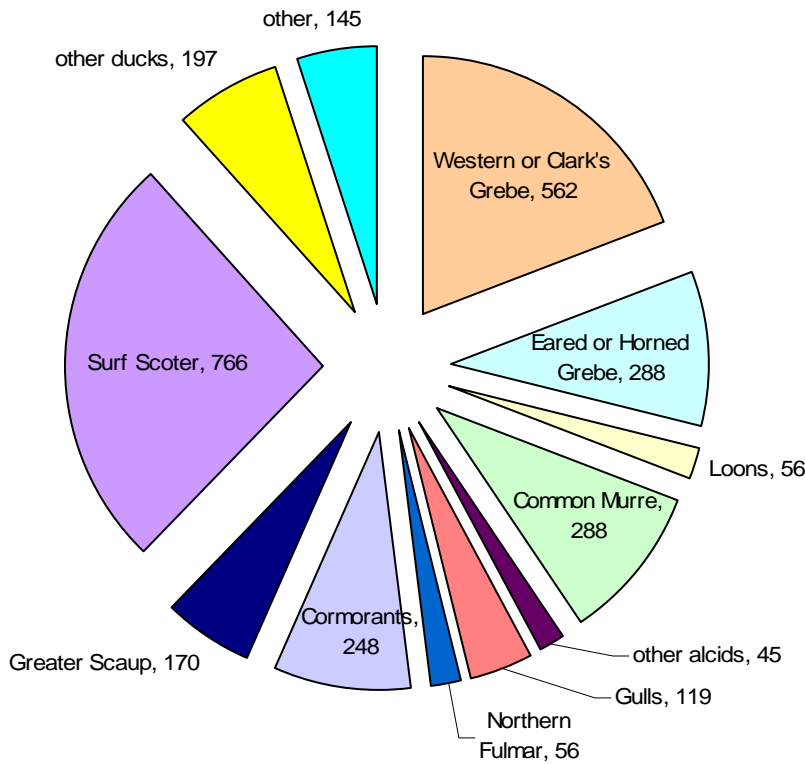
Natural Resource Damage Assessment for the *Cosco Busan* Oil Spill

BIRD INJURY SUMMARY

February 2008

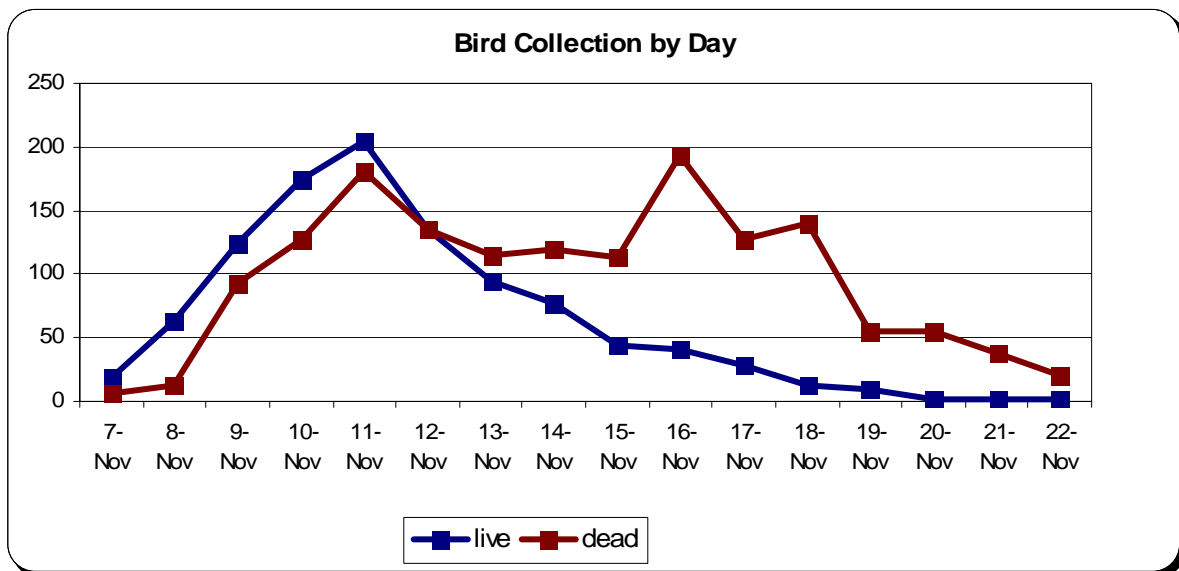


Live and Dead Birds Collected (n = 2940)



During the response to the *Cosco Busan* oil spill of November 7, 2007, 2,940 birds from over 50 species were collected live and dead. Of the 1,084 birds collected alive, 421 were cleaned and released. The table and charts below provide information on the species composition.

While most of the birds enumerated below had visible oil on them, it is possible that some of them are not related to the oil spill. Additionally, it is likely that many more birds were impacted by the spill but were not collected. This is because they came ashore in inaccessible areas, were scavenged, or were simply missed. Further analysis is being done on all of these factors, which will eventually result in a total mortality estimate for each species.



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Preliminary results from the Live and Dead Bird Intake Logs are below. All identifications and totals are subject to further analysis.

| species | live | dead | total | species | live | dead | total |
|-----------------------|------|------|-------|-------------------------|-------------|-------------|-------------|
| Western Grebe | 155 | 249 | 404 | Brown Pelican | 4 | 8 | 12 |
| Clark's Grebe | 14 | 16 | 30 | Red-breasted Merganser | 1 | 0 | 1 |
| Western/Clark's Grebe | 1 | 127 | 128 | Greater Scaup | 95 | 75 | 170 |
| Horned Grebe | 56 | 22 | 78 | Lesser Scaup | 13 | 15 | 28 |
| Eared Grebe | 143 | 58 | 201 | scaup, sp. | 1 | 33 | 34 |
| Eared/Horned Grebe | 3 | 6 | 9 | scaup? | 0 | 2 | 2 |
| Pied-billed Grebe | 1 | 0 | 1 | Bufflehead | 6 | 1 | 7 |
| Common Loon | 25 | 12 | 37 | Bufflehead? | 0 | 1 | 1 |
| Pacific Loon | 1 | 9 | 10 | Long-tailed Duck | 0 | 1 | 1 |
| Red-throated Loon | 2 | 6 | 8 | White-winged Scoter | 11 | 17 | 28 |
| loon, sp. | 0 | 1 | 1 | Surf Scoter | 394 | 372 | 766 |
| Rhinoceros Auklet | 2 | 29 | 31 | scoter, sp. | 0 | 15 | 15 |
| Common Murre | 54 | 234 | 288 | Ruddy Duck | 41 | 30 | 71 |
| Pigeon Guillemot | 0 | 2 | 2 | duck, sp. | 0 | 9 | 9 |
| Cassin's Auklet | 0 | 5 | 5 | Canada Goose | 0 | 3 | 3 |
| Marbled Murrelet | 0 | 3 | 3 | Greater White-fr. Goose | 1 | 0 | 1 |
| Ancient Murrelet | 0 | 1 | 1 | Black-cr. Night-Heron | 0 | 2 | 2 |
| alcid, sp. | 0 | 3 | 3 | Great-blue Heron | 0 | 2 | 2 |
| Glaucous-winged Gull | 2 | 9 | 11 | American Coot | 23 | 20 | 43 |
| Herring Gull | 0 | 4 | 4 | Common Moorhen | 0 | 1 | 1 |
| GI-W x Western Gull | 0 | 2 | 2 | dowitcher, sp. | 0 | 1 | 1 |
| Western Gull | 6 | 50 | 56 | Dunlin | 0 | 1 | 1 |
| Glaucous Gull | 0 | 1 | 1 | Western Sandpiper | 0 | 1 | 1 |
| California Gull | 1 | 15 | 16 | Snowy Plover | 1 | 0 | 1 |
| Mew Gull | 1 | 3 | 4 | Black Turnstone | 1 | 0 | 1 |
| Bonaparte's Gull | 1 | 0 | 1 | shorebird, sp. | 0 | 1 | 1 |
| gull, sp. | 0 | 24 | 24 | Red-shouldered Hawk | 0 | 1 | 1 |
| Parasitic Jaeger | 0 | 1 | 1 | Red-tailed Hawk | 2 | 0 | 2 |
| Northern Fulmar | 5 | 51 | 56 | American Crow | 0 | 3 | 3 |
| Northern Fulmar? | 0 | 1 | 1 | Rock Pigeon | 0 | 3 | 3 |
| Double-cr.Cormorant | 11 | 55 | 66 | Eurasian Starling | 0 | 1 | 1 |
| Brandt's Cormorant | 5 | 123 | 128 | Fox Sparrow | 0 | 1 | 1 |
| Pelagic Cormorant | 0 | 8 | 8 | unidentified bird | 1 | 60 | 60 |
| cormorant, sp. | 0 | 46 | 46 | TOTAL | 1084 | 1856 | 2940 |



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