**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | Cloud | Temp | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cover | (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| **Area 1** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 1 | MALL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 1 | OSPR | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 1 | COYE | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 1 | RWBL | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 1 | MAWR | | | | 2 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 1 | YEWA | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 1 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 1 | BASW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 1-2 | BASW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 1-2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 2 | MAWR | | | | | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 2 | RWBL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 2 | YEWA | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 2 | COYE | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 2 | CHSP | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 2 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 3 | MAWR | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 3-4 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 4 | MAWR | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 4 | RWBL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 4 | BASW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 4 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 4 | COYE | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 4 | SPAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 5 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 5 | MAWR | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/18/2004 | JV/PD | Area 1 | 3--5 | >50% | 85 | 1258 | 0733 | 5 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 1 | MAWR | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 1 | OSPR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 1 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 1 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 1 | BASW | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 1 | RWBL | | 1 | | | | | 1 | | 2 | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 1 | YEWA | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 1 | COYE | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 1-5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 5 | MAWR | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 5 | RWBL | 1 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 5 | COYE | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 5 | BASW | 1 | | 2 | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 5 | STAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 5 | SSTS | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 5-4 | MAWR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 4 | MAWR | 1 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 4 | COYE | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 4 | RWBL | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 4 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 4 | BASW | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 4 | SPAR | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 4 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 4-3 | RWBL | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 4-3 | BASW | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 4-3 | MAWR | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 3 | MAWR | | 2 | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 3 | RWBL | 1 | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 3 | KILL | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 3-2 | SSTS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 2 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 2 | BASW | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2004 | JV | Area 1 | 5--7 | >50% | 75 | 1711 | 1119 | 2 | GREG | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 1 | PUMA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 1 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 1>2 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 2 | SOSP | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 2 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 2 | RWBL | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 2 | YELL | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 2 | SEPL | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 2 | LESA | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 2>3 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 3 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 3 | MAWR | | 1 | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 3 | RWBL | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 3 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 3>4 | LESA | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 4 | GREG | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 4 | EUST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 4 | BTGR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 4 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 5 | SEPL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 5 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 5 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 5 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 5 | KILL | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 72 | 8:18AM | 2:55PM | 5 | CAGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 1 | RWBL | | | | | | | | | | | | 2 | | | | | | | | | 1 | | | 1 | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 1 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 1 | SNEG | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 1 | GRCA | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 1>2 | CAGO | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 1>2 | AMRO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 2 | KILL | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 2 | LESA | | | | | | | | | | | | 7 | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 2 | GRHE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 2 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 2 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 2>3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 3 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 3 | SESP | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 3 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 3>4 | YELL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 3>4 | KILL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 4 | LESA | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 4 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 4 | GBHE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 4 | GWTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 4>5 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/2/2005 | EN | Area 1 | 5--7 | 10-30% | 75 | 8:18AM | 2:55AM | 5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 1 | RWBL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 1 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 1 | MAWR | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 1 | LESA | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 1>2 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 1>2 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 2 | LESA | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 2 | KILL | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 2 | YELL | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 2 | MAWR | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 2 | OSPR | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 2>3 | CAGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 2>3 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 3 | SEPL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 3 | MAWR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 3 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 3 | RWBL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 3 | LETE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 3 | RTHA | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 3 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 3>4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 4 | VIRA | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 4 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 4 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 4>5 | KILL | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 5 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 5 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 5 | RWBL | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 75 | 11:12AM | 5:38AM | 5 | YELL | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 1 | MAWR | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 1 | RWBL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 1 | SPSA | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 1 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 1 | COYE | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 1>2 | LESA | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 2 | SNEG | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 2 | KILL | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 2 | RWBL | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 3 | LESA | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 3 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 3 | MAWR | | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 3 | GRCA | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 3>4 | MALL | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 4 | KILL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 4 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 4 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 4 | BEKI | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 4 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 5 | MALL | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 5 | BTGR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Wind Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 5 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 5 | LESA | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 5 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 5 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2005 | EN | Area 1 | 3--5 | 0% | 77 | 9:52PM | 3:47PM | 5 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 1 | SOSP | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 1 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 1 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 1 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 1>2 | LESA | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 2 | KILL | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 2 | GRCA | | | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 2 | HRRG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 2 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 2>3 | MALL | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 3 | RWBL | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 3>4 | COGR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 4 | CAGO | | | | | | | | | | 9 | | | | | | | | | | | | | | | | | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 4 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 4 | BEKI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 4 | WILL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 4>5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 5 | RTHA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 5 | MAWR | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 5 | SESP | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 6/30/2005 | EN | Area 1 | 3--5 | >50% | 73 | 6:37PM | 12:36PM | 5 | LESA | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 1 | GREG | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 1 | SNEG | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 1 | MAWR | | 1 | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 1 | RWBL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 2 | BLJA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 2 | PEEP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 2 | GRYE | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 2 | VIRA | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 2 | SPSA | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 2 | MAWR | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 2>3 | KILL | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 3 | OSPR | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 3 | BLJA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 3>4 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 4 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 4 | RWBL | | | | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 4 | LETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 4>5 | SPAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/1/2005 | EN | Area 1 | 5--7 | 0% | 80 | 8:25PM | 2:30PM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 1 | LESA | | | | | | | | | | 12 | | | | | | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 1 | YELL | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 1 | RWBL | | | | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 1 | YEFL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 1 | MAWR | | | | | 1 | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 2 | LESA | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 2 | KILL | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 2 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 2 | GULL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 2 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 2>3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 2>3 | SNEG | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 3 | LESA | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 3 | KILL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 3 | RWBL | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 3>4 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 4 | GREG | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 4 | MAWR | | | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 4>5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 5 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 5 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 5 | KILL | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 5 | PEEP | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/4/2005 | EN | Area 1 | 0--3 | 0% | 78 | 10:37PM | 4:59PM | 5 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 1 | MAWR | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 1 | RWBL | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 1>2 | LESA | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 2 | KILL | | | | | | | | | | | | 2 | | | | | | | | | 1 | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 2 | LESA | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 2 | RWBL | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 2 | COHA | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 2 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 2>3 | MALL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 3 | GRCA | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 3 | SBDO | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 3 | MAWR | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 3 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 3>4 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 4 | GREG | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 4 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 5 | AMRD | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 5 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 5 | LETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/9/2005 | EN | Area 1 | 0--3 | 0% | 73 | 2:13PM | 8:25AM | 5 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 1 | LESA | | | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 1 | RWBL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 1 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 1 | LEYE | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 1 | KILL | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 1 | COYE | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 1>2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 2 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 2 | KILL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 2 | GRYE | | | | | | | | | | 2 | | | 2 | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 2 | OSPR | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 2 | MALL | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 2>3 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 3 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 3>4 | GREG | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 3>4 | LESA | | | | | | | | | | 6 | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 3>4 | YELL | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 4 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 4>5 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 4>5 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 5 | KILL | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 5 | RWBL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 5 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 5 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/12/2005 | EN | Area 1 | 3--5 | 0% | 85 | 4:18PM | 10:04AM | 5 | SBDO | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 1 | MAWR | | 1 | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 1 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 1 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 1 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 1 | GBHE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 1>2 | MALL | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 1>2 | LESA | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 2 | CAGO | | | | | | | | | | 6 | | | | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 2 | OSPR | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 2 | KILL | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 2 | LESA | | | | | | | | | | 21 | | | | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 2 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 2 | GRCA | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 2>3 | LESA | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 2>3 | CAGO | | | | | | | | | | | | | 11 | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 3 | RWBL | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 3 | FICR | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 3 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 3 | SOSP | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 3>4 | LESA | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 4 | SEPL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 4>5 | SBDO | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 5 | MAWR | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 5 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/16/2005 | EN | Area 1 | 0--3 | >50% | 85 | 7:22PM | 1:18PM | 5 | RWBL | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 1 | RWBL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 1 | SNEG | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 1 | MAWR | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 1 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 1 | GRCA | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 1>2 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 2 | KILL | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 2 | YELL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 2 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 2 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 2 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 2 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 2 | SBDO | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 2>3 | EUST | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 2>3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 3 | RWBL | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 3 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 3 | KILL | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 3 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 3 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 3 | LAGU | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 3>4 | COHA | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 4 | GREG | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 4 | BTGR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 4 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 5 | MAWR | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 5 | SESP | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 5 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 5 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/21/2005 | EN | Area 1 | 3--5 | 10-30% | 75 | 11:49AM | 6:12AM | 5 | SPAR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 1 | RWBL | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 1 | SOSP | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 1 | KILL | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 1>2 | LESA | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 1>2 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 1>2 | YELL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 2 | CAGO | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 2 | LESA | | | | | | | | | | | | 12 | | | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 2 | LEYE | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 2 | MAWR | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 2>3 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 3 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 3 | LESA | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 3 | KILL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 3 | MAWR | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 3 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 3 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 3>4 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 4 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 4 | RWBL | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 4 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 5 | MALL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 5 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 5 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 5 | MAWR | | | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | |
| 7/23/2005 | EN | Area 1 | 3--5 | 10-30% | 79 | 1:37PM | 7:52AM | 5 | AMRO | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1 | MARW | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1 | LESA | | | 16 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1 | KILL | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1 | RWBL | | | | 3 | | | | | 10 | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1>2 | MALL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1>2 | COYE | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1>2 | SNEG | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 1>2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 2 | CAGO | | | | | | | | | | | | 9 | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 2 | RWBL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 2 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 2 | SEPL | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 2 | LESA | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 2 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 2>3 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 3 | KILL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 3 | AMGO | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 3 | SBDO | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 3 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 3 | LESA | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 3>4 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 3>4 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 4 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 4 | RWBL | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 4>5 | LESA | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 4>5 | SEPL | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 4>5 | SBDO | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 4>5 | SPAR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 5 | MAWR | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 5 | RWBL | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 5 | LESA | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 1 | 3--5 | 0% | 88 | 4:22PM | 10:14AM | 5 | YELL | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 1 | COYE | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 1 | MAWR | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 1 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 1>2 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 1>2 | LESA | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 2 | LESA | | | | | | | | | | | | 8 | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 2 | SPSA | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 2 | KILL | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 2 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 2>3 | LESA | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 2>3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 2>3 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 3>4 | LESA | | | | | | | | | | | | 25 | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 4 | CAGO | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 4 | MAWR | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 4 | RWBL | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 4 | LEYE | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 4 | KILL | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 5 | PEEP | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 5 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 5 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 1 | 5--7+ | 10--30% | 75 | 6:07PM | 11:59AM | 5 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 1 | RWBL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | 5 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 1 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 1 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 2 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 2 | LESA | | | | | | | | | | 6 | | | | | | 4 | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 2 | SOSP | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 2>3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 2>3 | KILL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 2>3 | SESP | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 3 | KILL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 3 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 3 | OSPR | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 3 | LESA | | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 3 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 3>4 | SEPL | | | | | | | | | | 2 | 1 | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 3>4 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 3>4 | LESA | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 3>4 | SESP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 4 | MARW | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 4 | LESA | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 4 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 4 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 5 | RWBL | | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 5 | VIRA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:43AM | 5 | LEYE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1 | LESA | | | | | | | | | | | | | 1 | | | 8 | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2 | SNEG | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2 | CAGO | | | | | | | | | | | | | | | | | | | 11 | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2>3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2>3 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2>3 | KILL | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | MALL | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | LESA | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | GRHE | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3>4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3>4 | LESA | | | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 4 | MARW | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 4 | SSTS | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 4>5 | SESP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 5 | GRHE | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 5 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 5 | KILL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 1 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 5 | RWBL | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 1 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 1 | RWBL | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 17 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 1 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 1 | LESA | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 1 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 1 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 1 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 1>2 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 1>2 | LESA | | | 1 | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 2 | CAGO | | | | | | | | | | | | | | | | | | | | | 14 | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 2 | SOSP | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 2 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 2 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 2>3 | SEPL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 2>3 | CAGO | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 3 | MALL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 3 | RWBL | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 3 | SAVS | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 3 | SOSP | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 3>4 | SPAR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 4 | LESA | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 4 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 4 | PEEP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 4 | RWBL | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | 5 |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 4>5 | SESP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 4>5 | SPAR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 4>5 | SSTS | | | | | | | | | | 5 | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 4>5 | MALL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 4>5 | VIRA | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 5 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/11/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 78 | 3:25AM | 9:52AM | 5 | LESA | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 1 | CAGO | | | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 1 | RWBL | | | 2 | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 1 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 1>2 | LESA | | | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 1>2 | SOSA | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 2 | LESA | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 2 | SOSA | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 2>3 | GRHE | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 2>3 | WILL | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 3 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 3 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 3 | CROW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 3 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 3 | SEPL | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 3>4 | SEPL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 3>4 | GRHE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 4 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 4 | PEEP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 27 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 4 | RWBL | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 4 | LESA | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 4>5 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 4>5 | SESP | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 4>5 | LESA | | | | | | | | | | | | 15 | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 5 | SOSP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 5 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 5 | VIRA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 5 | MARW | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 5 | GRYE | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN,JH | Area 1 | 3--5 | 10--30% | 94 | 4:56PM | 10:29AM | 5 | LESA | | | | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 1 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 1 | LESA | | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 1>2 | LESA | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 2 | SEPL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 2 | LESA | | | 1 | | | | | | | | | | | | 9 | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 2 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 3 | GRHE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 3 | SEPL | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 3>4 | CAGO | | | | | | | | | | | | | | | | | | | 15 | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 3>4 | SEPL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 3>4 | LESA | | | | | | | | | | 1 | | | | | | | | | 20 | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 3>4 | SPAR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 4 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 4 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 4>5 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 4>5 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 5 | RWBL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 5 | LESA | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 5 | VIRA | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 5 | LEYE | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 5 | CAGO | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | | | | |
| 8/17/2005 | EN,JH | Area 1 | 5--7 | 0% | 82 | 9:40AM | 4:05PM | 5 | HRGG | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 1 | LESA | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 1 | RWBL | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 1 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 1 | BEKI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 1>2 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 2 | SNEG | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 2 | LESA | | | 6 | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 2>3 | LESA | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 3 | RWBL | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 3 | PEFA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 3>4 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 4 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 4 | SEPL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 5 | MARW | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 5 | LEYE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 5 | SSTS | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 8/19/2005 | EN | Area 1 | 5--7 | >50% | 75 | 11:33AM | 6:01PM | 5 | VIRA | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 1 | GRYE | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 1 | LESA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 2 | BEKI | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 2>3 | LESA | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 3 | RWBL | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 3 | LESA | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 3>4 | SPAR | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 4 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 4 | LESA | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 4>5 | SSTS | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 4>5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 5 | MARW | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/8/2005 | EN | Area 1 | 5--7 | 0% | 85 | 3:02PM | 9:58PM | 5 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 1 | ROCK DOVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 1 | RWBL | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 1 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 1>2 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 2 | PAWA | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 2 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 2>3 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 3 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 3 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 3 | LESA | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 3>4 | SSTS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 3>4 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 4 | RWBL | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 4 | SESP | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 4>5 | SSTS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 5 | MARW | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/9/2005 | EN | Area 1 | 5--7 | 10-30% | 77 | 3:46PM | 9:53AM | 5 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 1 | YELL | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 1 | SNEG | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 1 | AMGO | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 1>2 | MALL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 1>2 | PESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 2 | SNEG | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 2 | PBGB | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 2>3 | YELL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 2>3 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 2>3 | SEPL | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 3>4 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 3>4 | GBHE | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 3>4 | SNEG | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 4>5 | LESA | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 5 | ABDU | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/19/2005 | EN,JH | Area 1 | 3--5 | 10-30% | 84 | 1:05PM | 8:03PM | 5 | MARW | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 1 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 1 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 1 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 1 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 2 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 1 |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 2 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 3 | SPAR | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 3 | ROCK DOVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 3 | YELL | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 3>4 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 3>4 | SOSP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 3>4 | SESP | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 3>4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 4 | MARW | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 4 | CROW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 4>5 | SSTS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 5 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 5 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 5 | MARW | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/14/2005 | EN,JH | Area 1 | 5--7 | 10-30% | 85 | 8:36AM | 3:29PM | 5 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 1 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 1 | GBHE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 1 | KILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 1>2 | SPAR | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 2 | LESA | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 2 | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 2>3 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 3 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 3 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 14 |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 3>4 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 3>4 | YELL | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 4 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 4>5 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/16/2005 | EN, JH | Area 1 | 5--7 | >50% | 77 | 10:39AM | 5:26PM | 5 | MARW | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 1 | MARW | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 1 | COHA | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 1 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 1>2 | MALL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 2 | GBHE | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 2 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 2 | SSTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 2>3 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 3 | LESA | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 3>4 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 4 | LESA | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 4>5 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/27/2005 | EN | Area 1 | 5--7 | 10-30% | 73 | 7:46AM | 2:26PM | 5 | GBHE | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1 | MAWR | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1 | RWBL | | | | | | | | | | | | | | 1 | | | | | | 2 | | 1 | | | | | | 1 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1 | GREG | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 2 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1 - 2 | MAWR | | 1 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1 - 2 | MALL | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2 | GREG | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2 | CAGO | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2 | RWBL | 2 | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2-3 | OSPR | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2-3 | GREG | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3 | GREG | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3 | RWBL | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3 | MAWR | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3 | SOSP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3-4 | MAWR | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3-4 | MALL | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3-4 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3-4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3-4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 4 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 4 | MAWR | | 2 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 4 | RWBL | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 4 | SOSP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 4-5 | MALL | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 5 | RWBL | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 5 | MAWR | | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 1 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 5 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | RWBL | 2 | 2 | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | MAWR | | 1 | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | SSTS | 2 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | unkwn sparrow | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | SNEG | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1-2 | RWBL | 2 | | | | | 3 | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1-2 | MAWR | 1 | | 1 | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | GREG | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | RWBL | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | SSTS | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | OSPR | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | MAWR | | | | | | | | | | | | | | | | | | 1 | | 2 | | | | 1 | 2 | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2-3 | RWBL | | 2 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2-3 | GREG | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2-3 | OSPR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2-3 | MALL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2-3 | MAWR | 1 | | 2 | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | GREG | 2 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | unknown gull | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | MAWR | | 2 | | | | 1 | 1 | | 2 | | | | | | | 1 | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | MALL | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | SAND | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | SSTS | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | OSPR | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3-4 | BLSK | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3-4 | RWBL | 2 | | | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3-4 | MAWR | | 2 | | 1 | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3-4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | MALL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | RWBL | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | SSTS | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4-5 | RWBL | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4-5 | SSTS | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4-5 | MAWR | | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 5 | MAWR | 1 | 2 | | | | | | 1 | | 1 | | | | | | | 1 | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 5 | RWBL | 2 | 2 | 1 | | | 1 | | | | | | | 4 | | | | | | | | | | | | | | 3 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 5 | SSTS | 2 | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 1 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 5 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | SNEG | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | RWBL | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | LESA | 3 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | MAWR | | 2 | | 1 | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | SSTS | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1-2 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1-2 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1-2 | SSTS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1-2 | RWBL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1-2 | MAWR | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2 | MAWR | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2 | SNEG | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2 | LESA | | | | | | | 1 | | | | | | | | | 2 | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2-3 | MAWR | | 2 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2-3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2-3 | LESA | 1 | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2-3 | RWBL | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | MAWR | | 2 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | LESA | 4 | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | RWBL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | SNEG | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | OSPR | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | RWBL | 1 | | | 5 | | | 4 | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | MAWR | | 2 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | SSTS | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | LESA | | | | 1 | | | 5 | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | WILL | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | KILL | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | MTSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | SNEG | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | RWBL | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | LESA | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | unkn sparrow | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4-5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4-5 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4-5 | LESA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4-5 | SSTS | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 5 | BARS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 5 | MAWR | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 5 | RWBL | 2 | 1 | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 5 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 5 | SSTS | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 1 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 5 | LESA | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 0-1 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 0-1 | MAWR | | 2 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 0-1 | unknown | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 0-1 | MSWR | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 0-1 | unknwn sparrow | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 0-1 | GBHE | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 | MAWR | | 2 | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 | RWBL | 1 | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 2 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 | SESP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 | TRSW | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 | STSP | 2 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 - 2 | MAWR | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 - 2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 - 2 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 - 2 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 - 2 | RWBL | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 - 2 | unkwn sparrow | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 1 - 2 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 2 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 2 | RWBL | 1 | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 2 | WILL | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 2-3 | MAWR | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 2-3 | RWBL | 2 | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 2-3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 2-3 | WILL | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 3 | WILL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 3 | TRSW | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 3 | MAWR | | 2 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 3 | unkwn sparrow | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 3-4 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 3-4 | MAWR | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 3-4 | RWBL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 3-4 | STSP | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 3-4 | SESP | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 3-4 | WILL | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4 | MAWR | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4 | RWBL | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4 | WILL | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4 | STSP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4 | TRSW | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4 | unkwn sparrow | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4 | GREG | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4-5 | SSTS | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4-5 | TRSW | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4-5 | GREG | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4-5 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 4-5 | WILL | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 5 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 5 | MAWR | | 2 | 2 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 5 | TRSW | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 5 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 5 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 5-0 | RWBL | 2 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 5-0 | MAWR | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 1 | 5--10 | 10% | 71 | 2:23PM | 9:01AM | 5-0 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 0-1 | AMRO | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 0-1 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 0-1 | MAWR | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1 | RWBL | 3 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1 | MAWR | 2 | 3 | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1 | BARS | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1-2 | RWBL | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1-2 | MAWR | | 3 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1-2 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | SNEG | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | CAGO | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | BARS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | MAWR | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | RWBL | | | | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | MALL | | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | GTBH | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2-3 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2-3 | MALL | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2-3 | LESA | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3 | CAGO | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3 | MALL | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3 | LESA | 2 | | | | | | | | | 5 | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3 | unkwn sparrow | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3 | RWBL | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3 | BARS | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3-4 | LESA | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3-4 | MALL | | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3-4 | MAWR | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3-4 | LEYE | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3-4 | SNEG | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3-4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3-4 | GTBH | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | BARS | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | RWBL | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | MAWR | | 2 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | SSTS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | LEYE | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | LESA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | SESP | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | SNEG | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4-5 | BARS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4-5 | LESA | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4-5 | MAWR | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 5 | LESA | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 5 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 5 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 5 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 5 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 5 | GTBH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 5-0 | DUNL | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 1 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 5-0 | LESA | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 0-1 | unkwn sparrow | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 0-1 | MAWR | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 1 | unkwn sparrow | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 1 | RWBL | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 5 | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 1-2 | CAGO | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 2 | LEYE | 1 | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 2 | MODO | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 2 | BARS | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 2-3 | LEYE | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 2-3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | LESA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | LEYE | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | unkwn sparrow | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3-4 | CAGO | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3-4 | MALL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3-4 | RWBL | | 1 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3-4 | LESA | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4 | TRSW | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4 | RWBL | 1 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4 | MAWR | 1 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4 | MALL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4-5 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4-5 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 5 | LEYE | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 5 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 5 | MAWR | 2 | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 5 | SSTS | 2 | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 5 | CAGO | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 5 | TRSW | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 1 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 5 | MALL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Area 2** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 1 | SESP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 1 | MAWR | 1 | | | | | | | 2 | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 1 | RWBL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 1 | SSTS | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 1 | SESP | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 1 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 1 | BASW | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 1-2 | SESP | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 2 | SESP | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 2 | SSTS | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 2 | WILL | | | | | | | | | 2 | | 1 | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 2-3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 3 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 3 | RWBL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 3 | SESP | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 3-4 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 4 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 4 | SESP | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 4 | BASW | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 4 | MAWR | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 4 | RBGU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 4 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 4-5 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 5 | SESP | 1 | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 5 | SPAR | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21/2004 | JV | Area 2 | 5--7 | 0% | 70 | 1332 | 0932 | 5 | MAWR | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 1 | MAWR | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 1 | SESP | | | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 1 | LETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 2 | SESP | | | | | | | 1 | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 2 | RWBL | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 2>3 | SESP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 3 | KILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 3 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 3>4 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 4 | MAWR | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 4 | SESP | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 4 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 4 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 4 | PEEP | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 5 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 5 | SESP | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 5 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2005 | EN | Area 2 | 0--3 | 10-30% | 85 | 5:40PM | 11:20AM | 5 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1 | WILL | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1 | MAWR | | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1 | RWBL | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1 | SESP | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1 | SSTS | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1>2 | SESP | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2 | FICR | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2 | GREG | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2 | CAGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2 | SSTS | | | | | | | | | | | | | | | | | | | | | | a | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2>3 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 3 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 3 | SESP | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 3 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 3>4 | SESP | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 3>4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 3>4 | SSTS | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 4 | BARS | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 4 | RWBL | | | | | | | | | | | | | | | | | | | 1 | | | 1 | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 4 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 4>5 | SSTS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 5 | SESP | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 2 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 5 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 1 | RWBL | | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 1 | AMCR | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 1 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 2 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 2 | SESP | | | | | | | | | | 1 | | 1 | | 1 | | 1 | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 2 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 2 | GRYE | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 3 | MAWR | | 2 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 3 | RWBL | | | | | | | | | | | | | | | 5 | | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 3>4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 4 | MAWR | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 4 | CEDW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 4 | SSTS | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 5 | MARW | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN,JH | Area 2 | 5--7+ | >50% | 70 | 5:32AM | 11:59AM | 5 | SESP | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 1 | RWBL | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 1 | MAWR | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 1 | CROW | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 2 | CROW | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 2 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 2 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 2 | SSTS | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 2 | SESP | | | | | | | | | | | | | | | | 1 | | 2 | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 3 | RWBL | | | | | | | | | | | | 7 | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 3 | MAWR | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 3 | SSTS | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 3>4 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 4 | LEYE | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 4 | PEEP | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 4 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 5 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 5 | SESP | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 2 | 0--3 | 0% | 84 | 4:12AM | 10:29AM | 5 | LESA | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 1 | CROW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 1 | MARW | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 2 | MARW | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 2 | SSTS | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 2>3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 3 | MARW | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 3>4 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 4 | MARW | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 4 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 4>5 | MARW | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/7/2005 | EN,JH | Area 2 | 5--7 | 0% | 79 | 2:26PM | 9:20PM | 5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 1>2 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 2 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 3 | MARW | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 3>4 | SSTS | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 4 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 5 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 5 | GBHE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/28/2005 | EN | Area 2 | 5--7 | 0% | 71 | 8:44AM | 3:21PM | 5 | CROW | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 2 |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 0-1 | GBBG | | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 0-1 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 0-1 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 1 | MAWR | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 1 | WILL | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 1-2 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 1-2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 2 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 2 | HRR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 2 | WILL | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 2 | FSCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 2-3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 2-3 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 2-3 | FSCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 3 | MALL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 3 | MAWR | | | 1 | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 3 | DCCDM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 3 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 3-4 | WILL | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 3-4 | RWBL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 4 | WILL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 4 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 4 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 4-5 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 4-5 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 3 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 4-5 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 4-5 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 5 | MAWR | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 5 | RWBL | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 5 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 5 | SOSA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/16/2006 | KB | Area 2 | 5--10 | 80% | 75 | 1845 | 1320 | 5 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | GBBG | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | MALL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | KILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | MTSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | unkwn sparrow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1-2 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1-2 | KILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | MAWR | | 2 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | RWBL | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | KILL | | | | | | | | | | 5 | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | GREG | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | unkwn sparrow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2-3 | MTSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2-3 | GREG | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2-3 | SNEG | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2-3 | WILL | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2-3 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | MAWR | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | RWBL | | | 1 | | | | 2 | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | unkwn sparrow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3-4 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3-4 | MAWR | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3-4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3-4 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3-4 | WILL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 4 | SNEG | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 4 | MAWR | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 4 | RWBL | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 4 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 4-5 | SNEG | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 4-5 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 5 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 5 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 5 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 5 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 5 | KILL | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/30/2006 | KB | Area 2 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 5 | LESA | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | SOSP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1-2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1-2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2 | SSTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2-3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2-3 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2-3 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2-3 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | MTSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3-4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3-4 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3-4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4-5 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4-5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4-5 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4-5 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4-5 | BLSK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4-5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 4-5 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 5 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 5 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 5 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 5 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 2 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 5 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 0-1 | STSP | 2 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 0-1 | SESP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 0-1 | WILL | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 0-1 | RWBL | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 0-1 | MAWR | 1 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1 | SESP | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1 | STSP | 4 | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1 | MAWR | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1 | TRSW | 3 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1 | RWBL | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1 | WILL | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1-2 | SSSP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1-2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1-2 | WILL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1-2 | SNEG | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 1-2 | STSP | 1 | | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 2 | MAWR | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 2 | SESP | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 2 | TRSW | 2 | | | 3 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 2 | WILL | | | | 2 | | | | | | | | | 1 | 2 | 1 | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 2 | RWBL | | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 2-3 | WILL | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 2-3 | SSTS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 2-3 | TRSW | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 3 | WILL | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 3 | SESP | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 3 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 3 | MAWR | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 3 | TRSW | | | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 3 | unkwn sparrow | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 3 | SSTS | | | | 3 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 3-4 | SSTS | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 4 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 4 | WILL | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 4 | RWBL | | | 2 | | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 4 | TRSW | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 4-5 | MALL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 4-5 | WILL | 2 | | | 2 | | | 3 | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 4-5 | TRSW | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 4-5 | MAWR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 4-5 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 5 | TRSW | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 5 | SSTS | 2 | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 5 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 5 | WILL | 2 | | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 5 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/2/2007 | KB | Area 2 | 10--15 | 10% | 66 | 1:37PM | 8:21AM | 5 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | LESA | 5 | | | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | MAWR | 2 | 1 | | | | 2 | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | RWBL | 2 | | | | | | 1 | | | | | | 1 | | 2 | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | SNEG | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | MODO | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | SWSP | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | SSTS | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | BARS | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | WILL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | WILL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | LEYE | 2 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | GREG | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | SWSP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | unkwn sparrow | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | RWBL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | unkwn gull | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1-2 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1-2 | RWBL | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1-2 | unkwn gull | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | SSTS | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | SWSP | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | MAWR | | 2 | | | | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | RWBL | 3 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | unkwn sparrow | | | | | | | | | | 2 | | | 1 | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | SESP | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | LESA | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2-3 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2-3 | TRSW | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2-3 | WILL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2-3 | SSTS | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | RWBL | 3 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | WILL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | LEYE | 5 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | GREG | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | SSTS | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | SWSP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | MAWR | | | 2 | | 1 | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | unkwn gull | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3-4 | LEYE | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3-4 | LESA | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3-4 | RWBL | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3-4 | MAWR | 2 | | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4 | SSSP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4 | TRSW | 2 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4 | MAWR | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4 | SSTS | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4 | SWSP | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4 | LESA | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4 | RWBL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 7 | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4-5 | GREG | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4-5 | LESA | 5 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4-5 | LEYE | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 4-5 | MAWR | | 1 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 5 | unkwn gull | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 5 | KILL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 5 | LESA | 2 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 5 | MAWR | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 5 | unkwn sparrow | | | | | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 5 | WILL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 5 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 2 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 5 | LEYE | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | SEPL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | SAND | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | GTBH | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | LESA | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | LEYE | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | unkwn sparrow | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | SWSP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 1 | LESA | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 1 | unkwn sparrow | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 1 | TRSW | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 1-2 | LESA | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 1-2 | SESP | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 1-2 | LEYE | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2 | LESA | 3 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2 | TRSW | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Wind Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2 | SESP | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2 | LEYE | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2 | MALL | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2-3 | LESA | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2-3 | LEYE | 2 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2-3 | SESP | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2-3 | BARS | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 2-3 | TRSW | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3 | unkwn sparrow | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3 | SEPL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3 | TRSW | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3 | LESA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3 | LEYE | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3 | RWBL | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3-4 | LEYE | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3-4 | LESA | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3-4 | unkwn sparrow | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3-4 | SESP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 3-4 | SSTS | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4 | LEYE | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4 | SESP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4 | RWBL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4 | LESA | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4-5 | LEYE | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4-5 | GULL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4-5 | SSTS | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4-5 | SEPL | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4-5 | LESA | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 4-5 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 5 | LEYE | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 5 | SEPL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 5 | LESA | 5 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 2 | 0--5 | 0% | 70 | 1:21PM | 7:55AM | 5 | SESP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Area 3** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | RWBL | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | COYE | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | TRSW | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | MAWR | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | SOSP | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | SPAR | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | COGR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 1-2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | WILL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | MAWR | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | GRHE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | TRSW | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 2-3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | SPAR | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | SOSP | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | MAWR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | SESP | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | A3 | 0--3 | >50% | 80 | 1129 | 0830 | 3-1 | RBGU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 1 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 1 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 1 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 1 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 1 | COYE | | | | | | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 1 | SSTS | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 2 | MAWR | | 1 | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 2 | SESP | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 2>3 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 3 | SSTS | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 3 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 3 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 3 | GRHE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 3 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/12/2005 | EN | Area 3 | 5--7 | 0% | 85 | 4:18PM | 10:15PM | 3 | MAWR | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1 | SESP | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1 | WILL | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1>2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 1>2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2 | MAWR | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2 | RWBL | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 2>3 | SESP | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 3 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 6/23/2005 | EN | Area 3 | 3--5 | 0% | 80 | 12:58PM | 7:22AM | 3 | SESP | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 1 | MAWR | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 1 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 1 | RWBL | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 1 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 1>2 | KILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 1>2 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 2 | MAWR | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 2 | SPAR | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 2 | SOSP | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 2 | WILL | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 2 | RWBL | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 2>3 | SESP | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 3 | MAWR | | 1 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 3 | RWBL | | | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 3 | SESP | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 3 | CAGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/26/2005 | EN,JH | Area 3 | 5--7+ | 10-30% | 92 | 4:22PM | 10:14AM | 3 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 1 | COYE | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 1 | SOSP | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 1 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 1 | MAWR | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 1>2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 2 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 2 | COYE | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 2 | MARW | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 2 | SOSP | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 2 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 2 | SSTS | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 2>3 | AMBI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 2>3 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 2>3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 3 | MAWR | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 3 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 3 | 5--7+ | >50% | 73 | 5:32AM | 11:59AM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1 | LESA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1 | RWBL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1 | GRYE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1 | LEYE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1>2 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 1>2 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2 | RWBL | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2 | MARW | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2>3 | RWBL | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 2>3 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | SSTS | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 8/5/2005 | EN, JH | Area 3 | 5--7+ | 10-30% | 83 | 12:24PM | 6:36PM | 3 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 1 | RWBL | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 1 | MAWR | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 1 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 1 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 1>2 | SSTS | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 2 | MARW | | | | | 1 | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 2 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 2 | COYE | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/12/2005 | EN | Area 3 | 0--3 | 10-30% | 79 | 4:12AM | 10:29AM | 3 | SSTS | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 1 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 1 | MARW | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 1 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 1 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 1>2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 1>2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 2 | LESA | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 2 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 2 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/22/2005 | EN,JH | Area 3 | 5--7 | 10-30% | 85 | 2:06PM | 8:37PM | 3 | PUMA | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/6/2005 | EN | Area 3 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/6/2005 | EN | Area 3 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 1 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/6/2005 | EN | Area 3 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/6/2005 | EN | Area 3 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 2 | YELL | | | | | | | | | | | | | | | | | | | | | | | | | | | 11 | | |
| 9/6/2005 | EN | Area 3 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/6/2005 | EN | Area 3 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 3 | ABDU | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/28/2005 | EN | Area 3 | 5--7 | 0% | 77 | 8:59PM | 3:21PM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 | | |
| 9/28/2005 | EN | Area 3 | 5--7 | 0% | 77 | 8:59PM | 3:21PM | 1>2 | PAWA | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 3 | 5--7 | 0% | 77 | 8:59PM | 3:21PM | 2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 3 | 5--7 | 0% | 77 | 8:59PM | 3:21PM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/28/2005 | EN | Area 3 | 5--7 | 0% | 77 | 8:59PM | 3:21PM | 3 | ABDU | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 0-3 | MAWR | | | | | | 1 | | | 3 | | 3 | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 0-3 | WILL | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 0-3 | RWBL | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 0-3 | SOSP | | | | | | | 4 | | 2 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 3 | WILL | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 3 | MAWR | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 3 | RWBL | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 3-2 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 3-2 | SOSP | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 3-2 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 2 | WILL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 2 | SOSP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 2 | MAWR | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 2 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 2 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 2-1 | SOSP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 2-1 | MAWR | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 1 | RWBL | 1 | | | 1 | | | 1 | | | | | | | | | 2 | | | | | | 1 | | | | | | 1 | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 1 | MAWR | | 2 | 1 | | | | | | 1 | | | | | | 2 | | | | | | | | | | 1 | | 1 | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 1 | SOSP | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 1 | GREG | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | |
| 6/16/2006 | KB | Area 3 | 5--10 | 80% | 75 | 1845 | 1320 | 1 | FSCR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | RWBL | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | MAWR | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | AMCR | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1-2 | WILL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1-2 | RWBL | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 1-2 | MAWR | | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | WILL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | RWBL | | 1 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | MAWR | 1 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2-3 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2-3 | WILL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2-3 | MAWR | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 2-3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/30/2006 | KB | Area 3 | 5--10 | 0% | 78 | 1:54PM | 8:05PM | 3 | SSTS | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | RWBL | 1 | | 1 | | | | | | 1 | | | | | 2 | | | | | | | | | | | | | 2 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | MAWR | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | SOSP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1-2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1-2 | RWBL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1-2 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 1-2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2 | RWBL | 1 | 1 | | 1 | 1 | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2 | MAWR | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2-3 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2-3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2-3 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 2-3 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | MAWR | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | RWBL | | | 2 | | | | | | | 2 | | 2 | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | unkn sparrow | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/6/2006 | KB | Area 3 | 0--5 | 100% | 72 | 7:19AM | 2:03PM | 3 | SSTS | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 1 | MAWR | 2 | | | | 1 | | | | | | 3 | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 1 | RWBL | | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 1 | BNSW | 2 | | | 1 | | | 3 | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 1 | unknown | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 1-2 | COMM | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 2 | BNSW | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 2 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 2 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 2 | MAWR | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 2 | RWBL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 2-3 | TRSW | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 3 | TRSW | 2 | | | | | | 2 | | | 1 | | | | | | 2 | | | 1 | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 3 | MAWR | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 3 | unkn sparrow | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 3 | RBGU | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 3 | SSTS | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/2/2007 | KB | Area 3 | 10--15 | 10% | 65 | 1:37PM | 8:21AM | 3 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | SSTS | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | MAWR | 2 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | RWBL | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 0-1 | TRSW | 1 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | RWBL | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | LESA | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | LEYE | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1 | MAWR | 2 | | | | 1 | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1-2 | WILL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1-2 | RWBL | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1-2 | MAWR | 2 | | | | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1-2 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 1-2 | unkn sparrow | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | WILL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | RWBL | 2 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | MAWR | | 2 | | | | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2 | unkn sparrow | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2-3 | RWBL | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2-3 | SSTS | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 2-3 | MAWR | | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | GREG | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | RWBL | 1 | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/19/2007 | KB | Area 3 | 0--5 | 90% | 74 | 4:11PM | 10:21AM | 3 | MAWR | | 2 | | | | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | SAND | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | LESA | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 0-1 | SEPL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 1 | RWBL | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 1 | LESA | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 1 | LEYE | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 1 | MODO | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 1 | MAWR | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 1 | SNEG | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 1-2 | LESA | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 2 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 2 | BARS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 2-3 | SSTS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 3 | MAWR | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 3 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 3 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 3 | SESP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/14/2007 | KB | Area 3 | 5--10 | 0% | 70 | 1:21PM | 7:55AM | 3 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| **Area 4** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | COYE | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | BASW | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | YEWA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | MAWR | | | | 1 | | | | | | 2 | | | | | | | | | 1 | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | HEGU | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | WILL | | | | | | | | | | | | | | | | 2 | | | | | | 1 | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 1 | SPAR | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 1-2 | MAWR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | GREG | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | MAWR | 2 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | RWBL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | BCNH | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | SOSP | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | COGR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | TRSW | | | | | | | | | | | | | | | | | | | | | | 5 | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | AMRO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | SPAR | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | STAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 2 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | MAWR | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | STAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | SPAR | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | BASW | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | SESP | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Wind Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 3-4 | MAWR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 4 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 4 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 4 | COYE | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6/16/2004 | JV/PD | Area 4 | 0--3 | >50% | 80 | 1129 | 0830 | 4-1 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1 | RWBL | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1 | MAWR | | 1 | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1 | BASW | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1 | COYE | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1 | MALL | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1 | COGR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | 1 |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1 | STAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1-4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1-4 | COGR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 1-4 | BASW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | MAWR | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | RWBL | | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | WILL | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | COYE | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | BBGU | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | SOSP | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | SSTS | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | STAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | AMGO | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4 | SOSP | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4-3 | MAWR | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 4-3 | SESP | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 3 | MAWR | | 1 | 1 | | | | | | 2 | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 3 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 3 | COYE | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 3 | SESP | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 3 | BASW | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 3-2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 2 | RWBL | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/23/2004 | JV/PD | Area 4 | 5--7 | >50% | 72 | 1626 | 1039 | 2 | MAWR | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 1 | FICR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 1 | RWBL | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 1 | MAWR | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 1 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 1 | CAGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 1 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 1>2 | WILL | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 2 | SSTS | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 2 | SASP | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 2 | RWBL | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 2>3 | SESP | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 3 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 3 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 3 | RWBL | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 3 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 3>4 | MAWR | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 4 | EUST | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 4 | SESP | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/24/2005 | EN | Area 4 | | 10-30% | 68 | 1:54PM | 8:12AM | 4 | BTGR | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1 | COYE | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1 | RWBL | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1 | WILL | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1 | SSTS | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1 | MAWR | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1>2 | COYE | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 1>2 | RWBL | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 2 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 2 | SSTS | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 2 | KILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 2 | MAWR | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 2>3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 2>3 | SESP | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 3 | MAWR | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 3 | SESP | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 3 | CAGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 3 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 3 | COYE | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 3>4 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 4 | SSTS | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 4 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 4>5 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 5 | KILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 5 | CAGO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/27/2005 | EN | Area 4 | 3--5 | >50% | 86 | 4:49PM | 10:44AM | 5 | SSTS | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 1 | MARW | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 1 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 1 | RWBL | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 1 | EUST | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 2 | MAWR | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 2 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 2 | SSTS | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 2 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 2>3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 2>3 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 2>3 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 3 | MAWR | | | 2 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 3 | COYE | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 3 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 3 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 3>4 | LESA | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 3>4 | MAWR | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 4 | RWBL | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 4 | AMGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 4 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 4 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 4 | CAGO | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 4 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/28/2005 | EN | Area 4 | 3--5 | >50% | 80 | 6:07PM | 11:59AM | 4 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 1 | MAWR | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 1 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 1>2 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 2 | RWBL | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 2 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 2 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 2 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 2 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 2 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 2 | AMCR | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 2>3 | MARW | | 1 | | | | | | | | | 2 | | | | | | | | | 1 | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 3 | RWBL | | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 3 | SESP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 3 | MAWR | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 3 | LESA | | | | | | | v v | | | | | | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 3 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 3>4 | SOSP | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 3>4 | MARW | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 4 | RWBL | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 4 | MARW | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/30/2005 | EN | Area 4 | 5--7+ | >50% | 78 | 7:00PM | 12:57PM | 4 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 1 | LESA | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 1 | SPAR | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 1 | GRYE | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 1 | LEYE | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 1 | RWBL | | | | | | | | | | | | | | | 2 | | 1 | | | | | | | | | | | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 1>2 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 2 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 2 | GULL | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 3 | RWBL | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 3 | SOSP | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 3 | MAWR | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 3 | SESP | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 3 | SPSA | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 3>4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 4 | LEYE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 4 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 4 | MARW | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 4 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/10/2005 | EN,JH | Area 4 | 5--7+ | 10-30% | 83 | 3:30PM | 9:23AM | 4 | RWBL | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 1 | LESA | | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 1 | MALL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 1 | LEYE | | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 1 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 1 | EUST | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 1 | MARW | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 1 | RBGU/HRGG | (mixflock) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 89 |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 1>2 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 2 | LESA | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 2 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 2>3 | AMBI | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 3 | DCCO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 3 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 3 | COYE | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 3 | MARW | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 3 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 3 | ABDU | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 3>4 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 4 | MARW | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/22/2005 | EN,JH | Area 4 | 5--7 | 10-30% | 85 | 2:06PM | 8:13AM | 4 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 1 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 1 | YELL | | | | | | | 14 | | | | | | | | | | | | | | | | | | | | | | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 1 | SNEG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 1>2 | SESP | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 2 | MARW | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 2 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 2 | SESP | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 2>3 | no birds | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 3 | MARW | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 3 | HRGG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 3 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 3 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 3>4 | MARW | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 4 | MARW | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 4 | LEYE | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 9/6/2005 | EN | Area 4 | 5--7 | 0% | 82 | 1:53PM | 8:43PM | 4 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1 | RWBL | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1 | SOSP | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1 | MAWR | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 1-2 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2 | MAWR | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2 | RWBL | | | | | | | | | | | | | 2 | 1 | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2-3 | OSPR | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 2-3 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3 | RWBL | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 3-4 | MAWR | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 4 | RWBL | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | | |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 4 | MAWR | | 1 | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 6/14/2006 | KB | Area 4 | 0--5 | 80% | 75 | 1:49PM | 8:13PM | 4 | GBBG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | MAWR | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | RWBL | | | 1 | | | | | | 2 | | | | | 2 | | | | | | | | | | | | | | | 2 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | unknown gull | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1 | unknown sparrow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 1-2 | MAWR | | 2 | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | MAWR | | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | RWBL | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | unknown gull | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2 | SSTS | | | | | | | 2 | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2-3 | WILL | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2-3 | SSTS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 2-3 | RWBL | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | WILL | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | unknown gull | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | GREG | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | RWBL | | | | | | | 1 | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | SSTS | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | COTE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | MALL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3 | AMCR | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3-4 | RWBL | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 3-4 | MAWR | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | BARS | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | GLIB | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/29/2006 | KB | Area 4 | 0--5 | 100% | 72 | 1:54PM | 8:05PM | 4 | SSTS | 2 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | RWBL | | 1 | 1 | | | | | | 2 | | 2 | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1 | GBBG | | | 2 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1-2 | MAWR | 2 | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1-2 | RWBL | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 1-2 | SSTS | | 2 | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2 | RWBL | 2 | 1 | | 1 | | | | 1 | | | | 2 | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2 | MAWR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2-3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2-3 | TRSW | 1 | | 2 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2-3 | MAWR | 2 | | | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2-3 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 2-3 | SNEG | 2 | | 1 | | | | 2 | | | | | | 1 | | | | | | | | | | | | | | | | 3 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | RWBL | | 2 | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | MAWR | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | SSTS | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | unknown sparrow | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3 | OSPR | | 4 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | MAWR | 1 | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | RWBL | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | SSTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 3-4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | BARS | 2 | | 1 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | MAWR | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | unknwn sparrow | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 7/7/2006 | KB | Area 4 | 0--5 | 0% | 75 | 8:20AM | 2:53PM | 4 | TRSW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 0-1 | MODO | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 0-1 | AMRO | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 0-1 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 1 | RWBL | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 1 | MAWR | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 1 | TRSW | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 1-2 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 1-2 | MARW | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 1-2 | unknwn sparrow | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 1-2 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 2 | SESP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 2 | MAWR | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 2 | TRSW | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 2 | SSTS | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 2 | WILL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 2 | RWBL | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 2-3 | MAWR | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 3 | MAWR | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 3 | RWBL | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 3 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 3 | unknwn sparrow | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 3 | TRSW | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 3-4 | RWBL | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 3-4 | GLIB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 4 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 4 | TRSW | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/3/2007 | KB | Area 4 | 5--10 | 20% | 71 | 2:23PM | 9:01AM | 4 | MAWR | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 0-1 | LESA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1 | TRSW | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1 | GLIB | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1 | MAWR | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1-2 | MAWR | | 2 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1-2 | TRSW | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1-2 | LESA | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 1-2 | SSTS | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | MAWR | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | RWBL | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | TRSW | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | LEYE | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2-3 | SSTS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2-3 | SWSP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2-3 | SESP | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2-3 | unknwn sparrow | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 2-3 | RWBL | | | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3 | MAWR | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3-4 | BARS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3-4 | RWBL | 1 | | | 4 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 3-4 | LESA | 2 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | RWBL | 5 | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | MAWR | | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |

**Wertheim NWR Water Management Demonstration Project Data Report**
**Bird Survey Data**
**(2004-2007)**

| | | | | | | | | | | 0-50 meters | | | | | | | | | 50-100 meters | | | | | | | | | >100 meters | | | | | | | | | Fly Over | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Wind | | | | | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-3 min | | | 3-5 min | | | 5-10 min | | | 0-10 min | | |
| Date | Observer | Site | Speed (mph) | Cloud Cover | Temp (F) | High Tide | Low Tide | Point | Species | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H | S | H | S/H |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | TRSW | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | GREG | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 7/20/2007 | KB | Area 4 | 5--10 | 90% | 71 | 4:55PM | 10:59AM | 4 | MODO | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 0-1 | RWBL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 1 | TRSW | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 1 | unknwn sparrow | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 1 | unkwn gull | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 1 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 1-2 | BARS | | | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 2 | SESP | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 2 | RWBL | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 2 | unknwn sparrow | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 2 | unkwn gull | | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 2-3 | LESA | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | RWBL | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | SESP | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | AMBI | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | unknwn sparrow | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3 | BARS | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3-4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3-4 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3-4 | BARS | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 3-4 | LESA | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4 | RWBL | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4 | AMCR | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4 | BARS | | | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4 | LESA | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| 8/13/2007 | KB | Area 4 | 0--5 | 100% | 70 | 12:38PM | 7:14AM | 4-0 | RWBL | 10 | | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |