

PURPLE LOOSESTRIFE Biocontrol Monitoring: Fall 2006

CITY/STATE: Cambridge MA
 LOCATION: Fresh Pond Reservation
 DATE: October 20, 2007
 SITE: Little Fresh Pond
 TIME: 1:50 PM
 TEMPERATURE: 65
 WEATHER: Partly cloudy
 INVESTIGATORS:

| Percent cover | |
|---------------|--------|
| R | <1% |
| B | 1-5% |
| C | 6-25% |
| D | 26-50% |
| E | 51-75% |
| F | 76-95% |
| G | >95% |

Plot 1 Margaret Cain
 2 Jodi Dowling Hannah Wilbur
 3 Gretchen Friesinger Elizabeth Wyld
 4 Jodi Dowling Hannah Wilbur Margaret Cain
 5 Gretchen Friesinger Elizabeth Wyld Jodi Dowling

year

| year | Percent Cover (Chart B) | | Number of Stems | | Number of inflorescences | | Purple Loosestrife (average of 5 Tallest Stems) | | | | % of Quadrat | | |
|---|-------------------------|---------|--------------------|---------|--------------------------|---------|---|--------------------------|---------------------------------------|---|--------------|--------------|-------------------|
| | Purple loosestrife | Cattail | Purple loosestrife | Cattail | Purple loosestrife | Cattail | Height (cm) | Number of inflorescences | Length (cm) of terminal inflorescence | # Flower buds in center 5cm inflorescence | vegetated | un-vegetated | dead plant matter |
| plot # 1 | | | | | | | | | | | | | |
| 06 | D | 0 | 56 | 0 | 513 | 0 | 223 | 23 | 35 | 44 | D | C | D |
| 07 | D | 0 | 22 | 0 | 213 | 0 | 200 | 25 | 22 | 41 | D | 0 | F |
| Other Species Names and % Cover (Chart B): grapevine-C | | | | | | | | | | | | | |
| plot # 2 | | | | | | | | | | | | | |
| 06 | E | 0 | 99 | 0 | 542 | 0 | 200 | 19 | 42 | 35 | E | B | C |
| 07 | D | 0 | 66 | 0 | 644 | 0 | 185 | 20 | 20 | 57 | F | C | B |
| Other Species Names and % Cover (Chart B): none | | | | | | | | | | | | | |
| plot # 3 | | | | | | | | | | | | | |
| 06 | E | 0 | 100 | 0 | | 0 | 210 | 18 | 42 | 30 | D | C | C |
| 07 | F | 0 | 84 | 0 | 728 | 0 | 215 | 26 | 18 | 36 | E | A | D |
| Other Species Names and % Cover (Chart B): Aster spp.-C, Evening Primrose-A | | | | | | | | | | | | | |
| plot # 4 | | | | | | | | | | | | | |
| 06 | E | 0 | 31 | 0 | 436 | 0 | 209 | 29 | 50 | 36 | C | B | E |
| 07 | D | 0 | 42 | 0 | 653 | 0 | 204 | 29 | 27 | 35 | F | B | A |
| Other Species Names and % Cover (Chart B): American willow herb-C | | | | | | | | | | | | | |
| plot # 5 | | | | | | | | | | | | | |
| 06 | F | 0 | 96 | 0 | 420 | 0 | 214 | 21 | 26 | 37 | D | 0 | C |
| 07 | D | 0 | 40 | 0 | 650 | 0 | 211 | 18 | 21 | 60 | F | 0 | 0 |
| Other Species Names and % Cover (Chart B): American willow herb, smartweed | | | | | | | | | | | | | |