Hidden Lake (EAFB)

Hidden Lake:
USGS Topographic Sectional: Fairbanks

Hidden Lake is also an abandoned gravel pit located along the Richardson Highway at Mile Post 341.0 on Eielson Air Force Base. The surface area is 7.3 ha and maximum depth is 3.8 m (Table 16). Hidden Lake was first stocked in 1975 with Arctic grayling sac fry. Arctic grayling were again stocked in 1978, from 1983 through 1986, and in 1988 and 1989. Rainbow trout were stocked in 1982, 1986, and from 1988 through 1990. Arctic char were stocked in 1988 and 1989 and lake trout were stocked in 1989. The lake was chemically treated with rotenone during the winter of 1987-88 because, during sampling in 1986 and 1987, few stocked fish were captured while excessive numbers of longnose suckers and lake chubs were captured. Few stocked fish were captured in sampling gear in 1989 and 1990. In 1990, northern pike larger than 500 mm were captured in sampling gear suggesting they were placed in the lake recently by the public. The mixed species stocking of age 0 Arctic char and Arctic grayling in 1988 was only moderately successful. This stocking resulted in an estimated density of 2.0 age 1 Arctic char per ha in 1989 with a mean length 200 mm and an estimated density of 2.0 age 1 Arctic grayling per ha with a mean length of 164 mm. The mixed species stocking of age 0 Arctic char, Arctic grayling, lake trout, and rainbow trout in 1989 was a failure. The stocking of catchable sized rainbow trout in early summer of 1988 following rotenoning of the lake during the winter of 1987 resulted in a population of 144 fish in 1989 with an average length of 250 mm.

**Lake Specifics**

| Characteristic | Specifics |
|---|---|
| Location: | Richardson Highway Mile Post 341 |
| Access status: | Road |
| Endemic species: | Lake chub, northern pike, longnose suckers |
| Stocked species: | Rainbow trout, Arctic grayling, Arctic char, lake trout |
| Surface area: | 7.3 ha |
| Maximum depth: | 3.8 m |

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News Names in use today.

| Hidden | Snow | Ice | Sample | Ox |
|---|---|---|---|---|
| 3/25/76 | 14" | 36" | 5'@17' | 3.0 |
| | | | 10'@17' | 2.0 |
| 3/23/78 | 11" | 24" | 5'@15' | 3.0 |
| 3/28/79 | 18" | 20" | 5'@15' | 3.0 |
| 3/26/80 | 9" | 22" | 5'@10' | 0.8 |
| 3/20/81 | 3" | 23" | 5'@9' | 4.0 |

| Pike | | | | |
|---|---|---|---|---|
| 3/25/76 | 14" | 36" | 5'@9' | 0.0 |
| 3/23/78 | 11" | 24" | 5'@14' | 0.0 |
| 3/28/79 | 12" | 21" | 5'@9' | 0.0 |
| 3/20/84 | 2" | 24" | 5'@8' | 1.0 |