

Kuparuk Deadarm Reservoirs, Cells 1-3 Water-Level Observations

North Slope Lakes Project Hydrologic Notes, April 16, 2006.

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Water level elevations are being surveyed in the Kuparuk Deadarm Reservoirs, cells 1-3, each month. Water withdrawals are taking place in cell 2, based on combined permit volumes in cells 2 and 3. Additional chemistry and physical measurement data is also being collected from these sites. The hydrologic interactions between the three cells and how the effects of water withdraw are some of the primary issues under investigation.

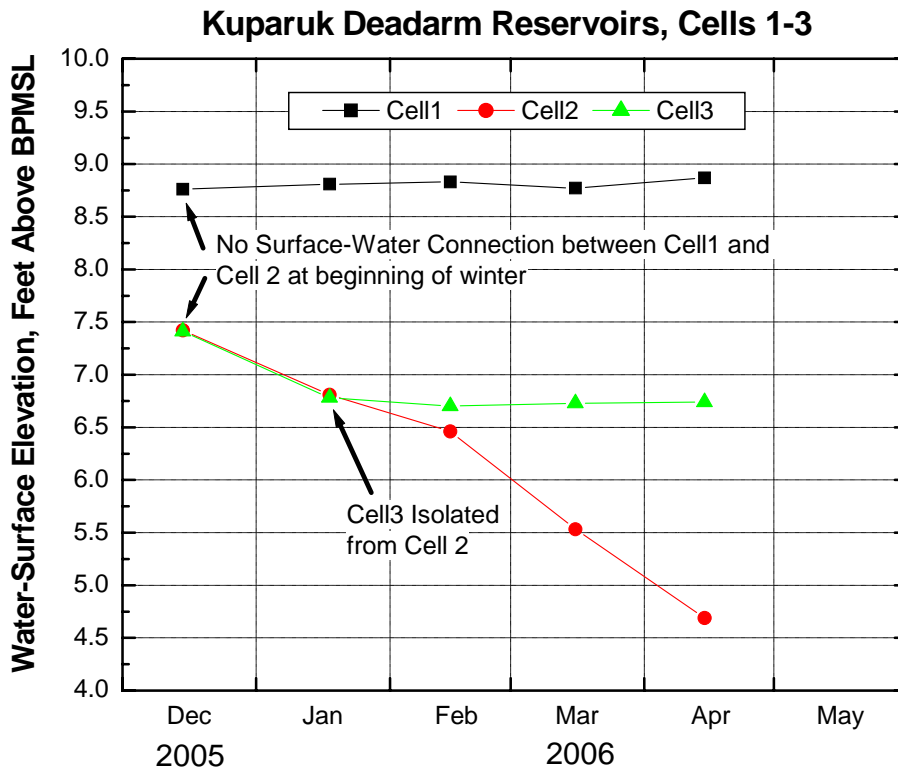


Figure 1. Water-surface elevation (PBMSL) in Kuparuk Deadarm Reservoirs, cells 1-3. During winter ice-covered periods, this is the water surface in open drill holes. Snow loading over the winter can increase water levels, along with effects of lake ice growth.

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