

Kokanee escapement and fishery update.

2009 BOBTWG presentation



Paul Askey

Stock assessment biologist - Penticton

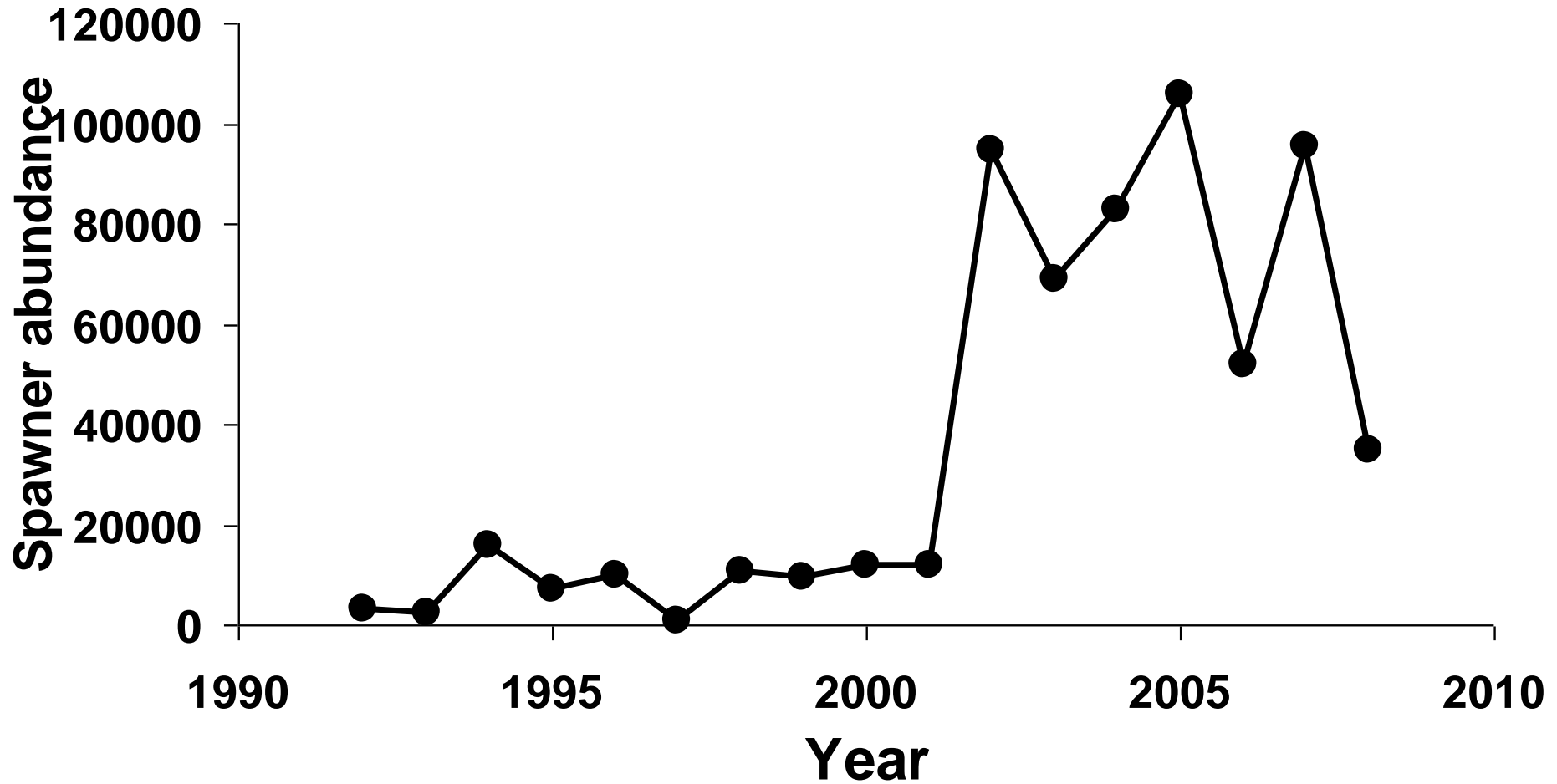
Kokanee escapement: South to North



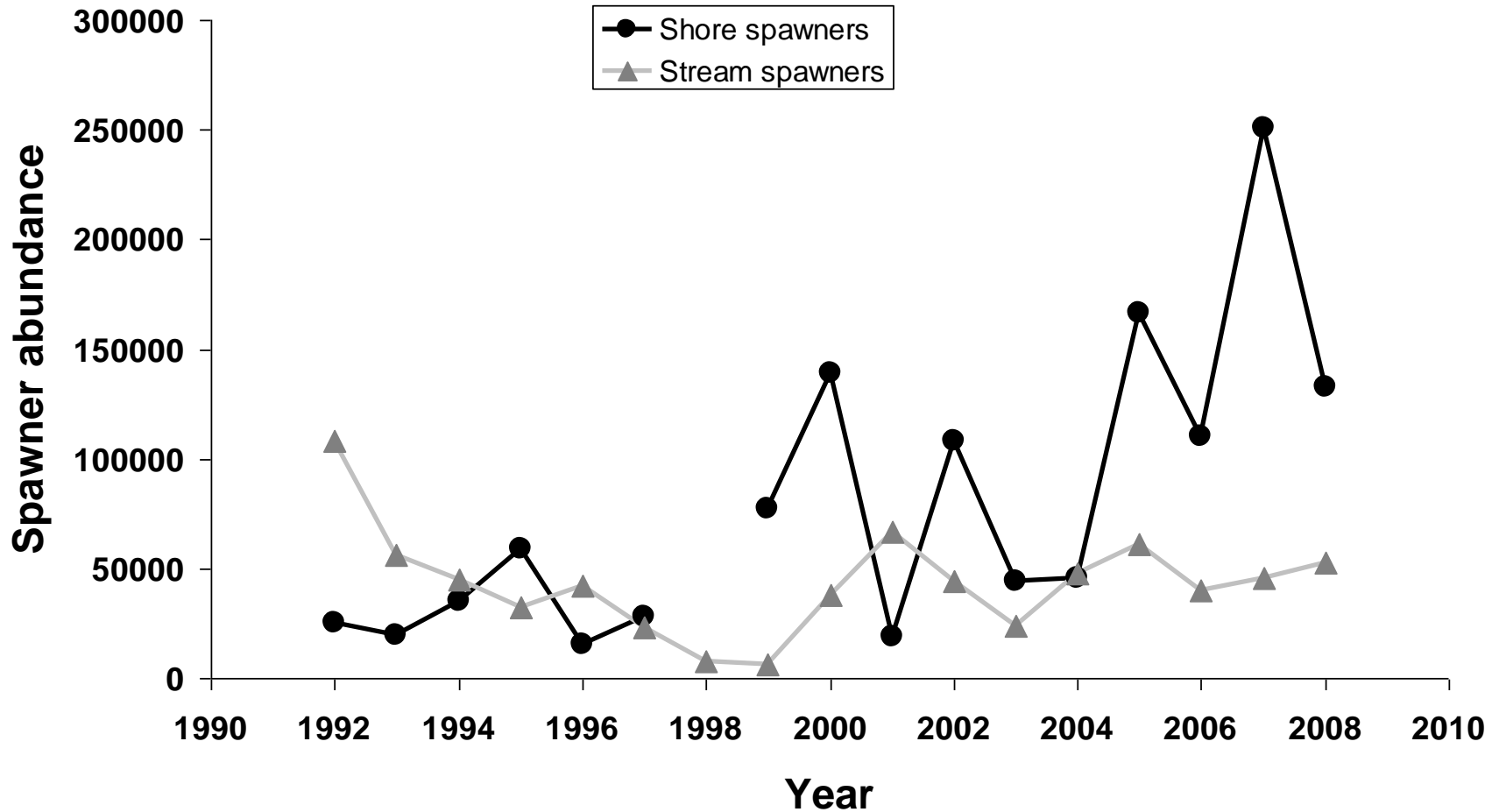
Osoyoos

- Some small number of kokanee, no data.
- ?

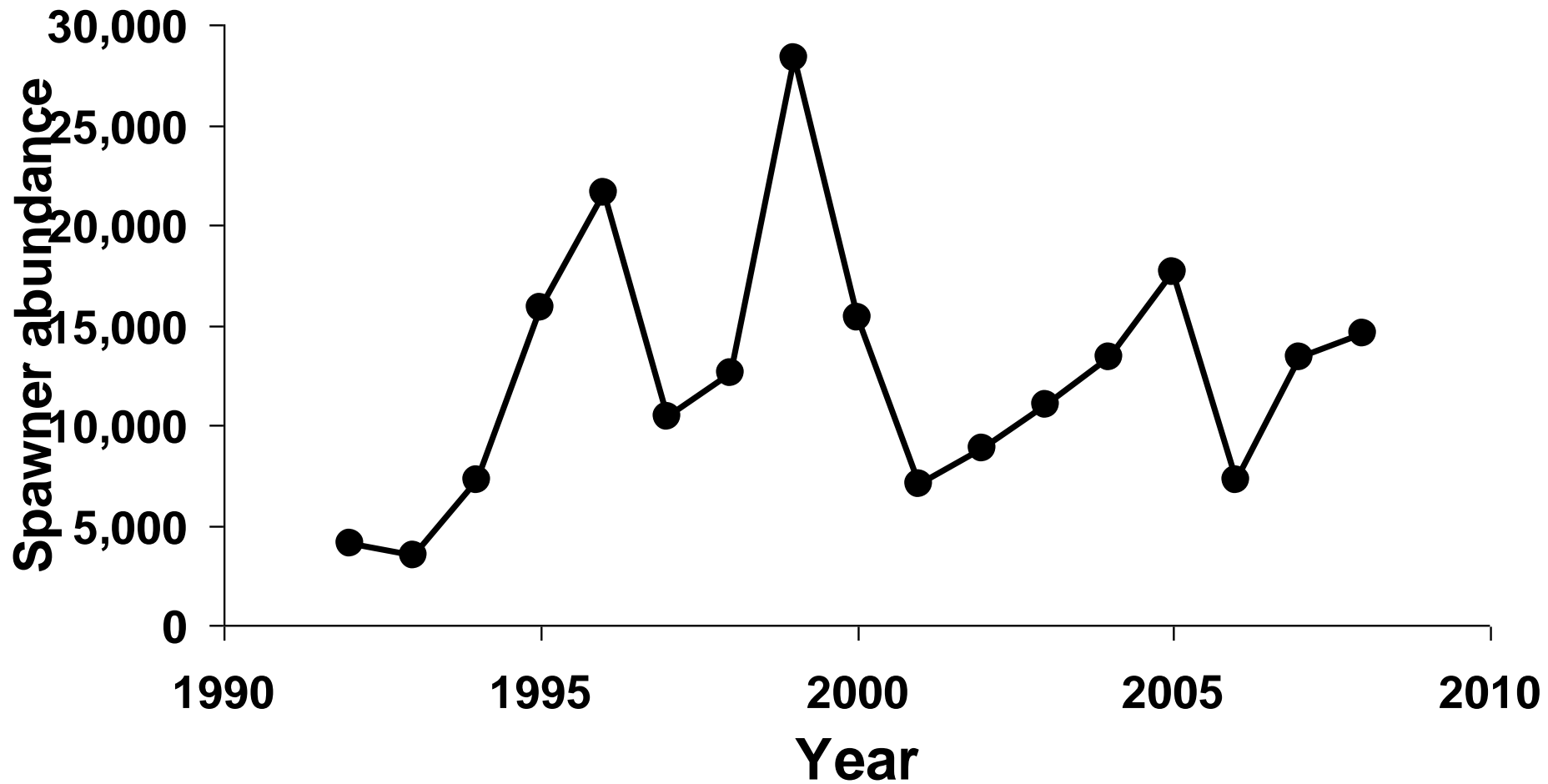
Skaha



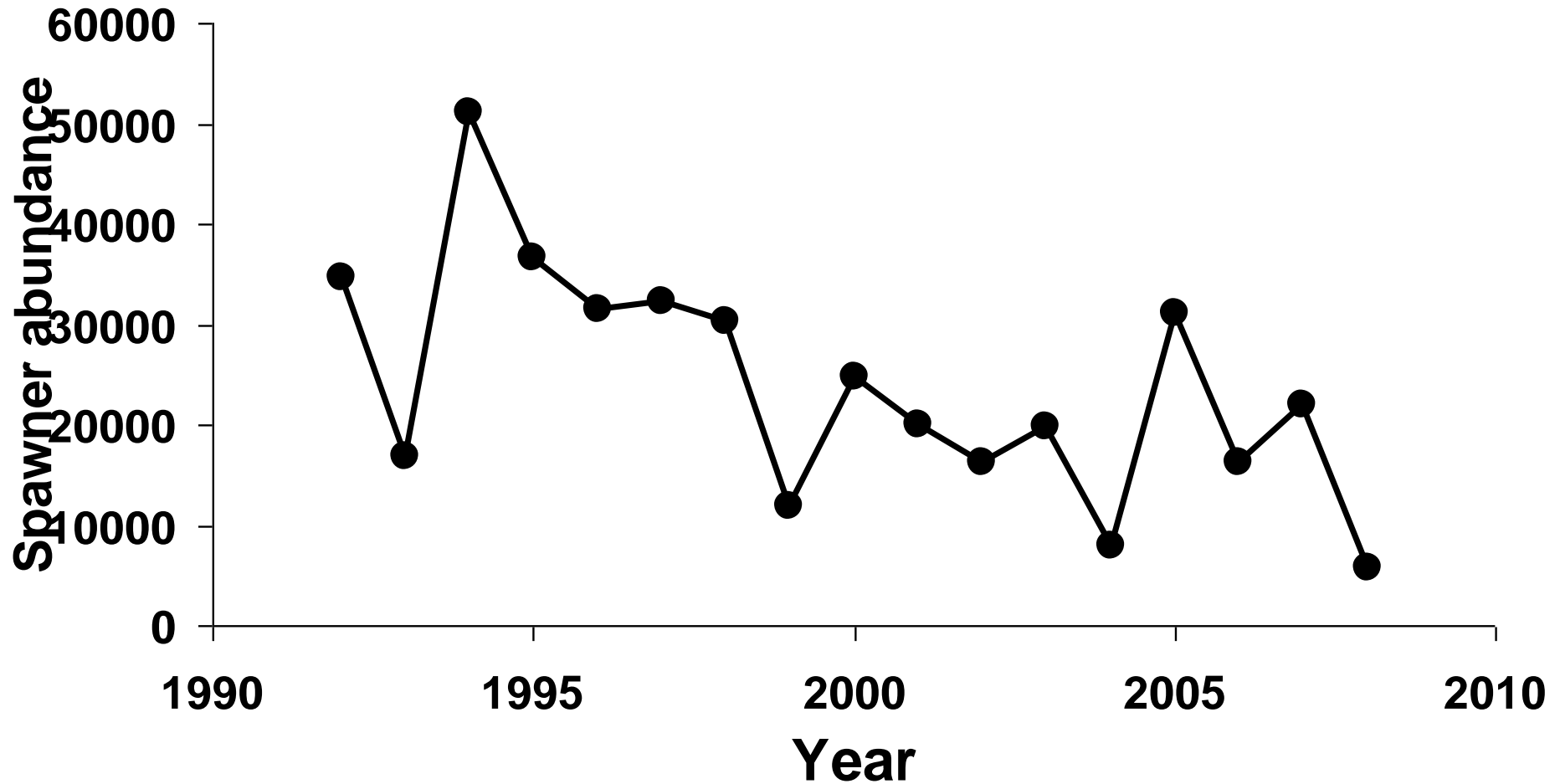
Okanagan



Wood

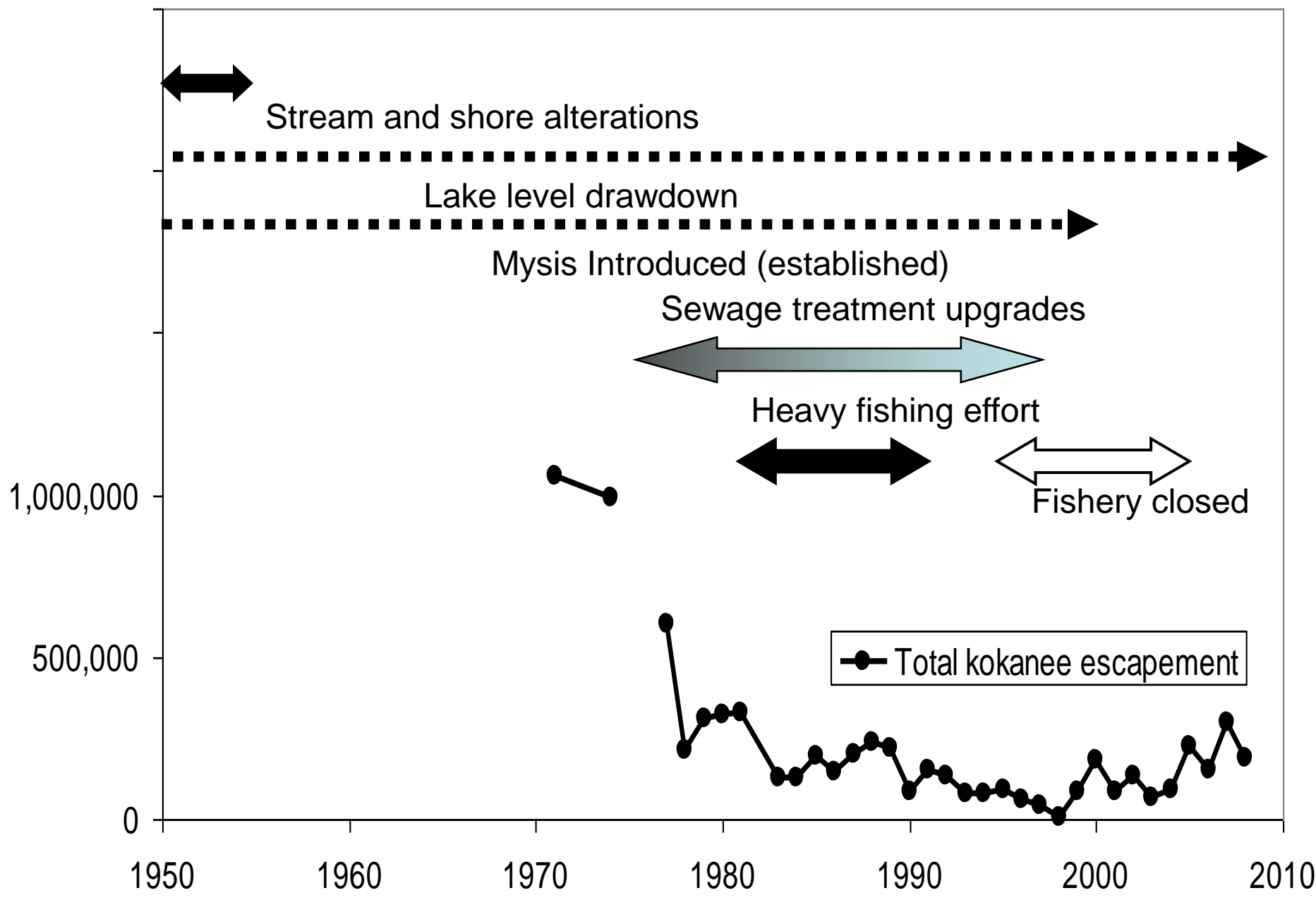


Kalamalka



More on Okanagan Lake and the kokanee fishery





What drives kokanee abundance in OK Lake?

- Spawning Habitat?
- Food Web Bottlenecks?
- Mysis introduction?
- Overfishing?
- All?

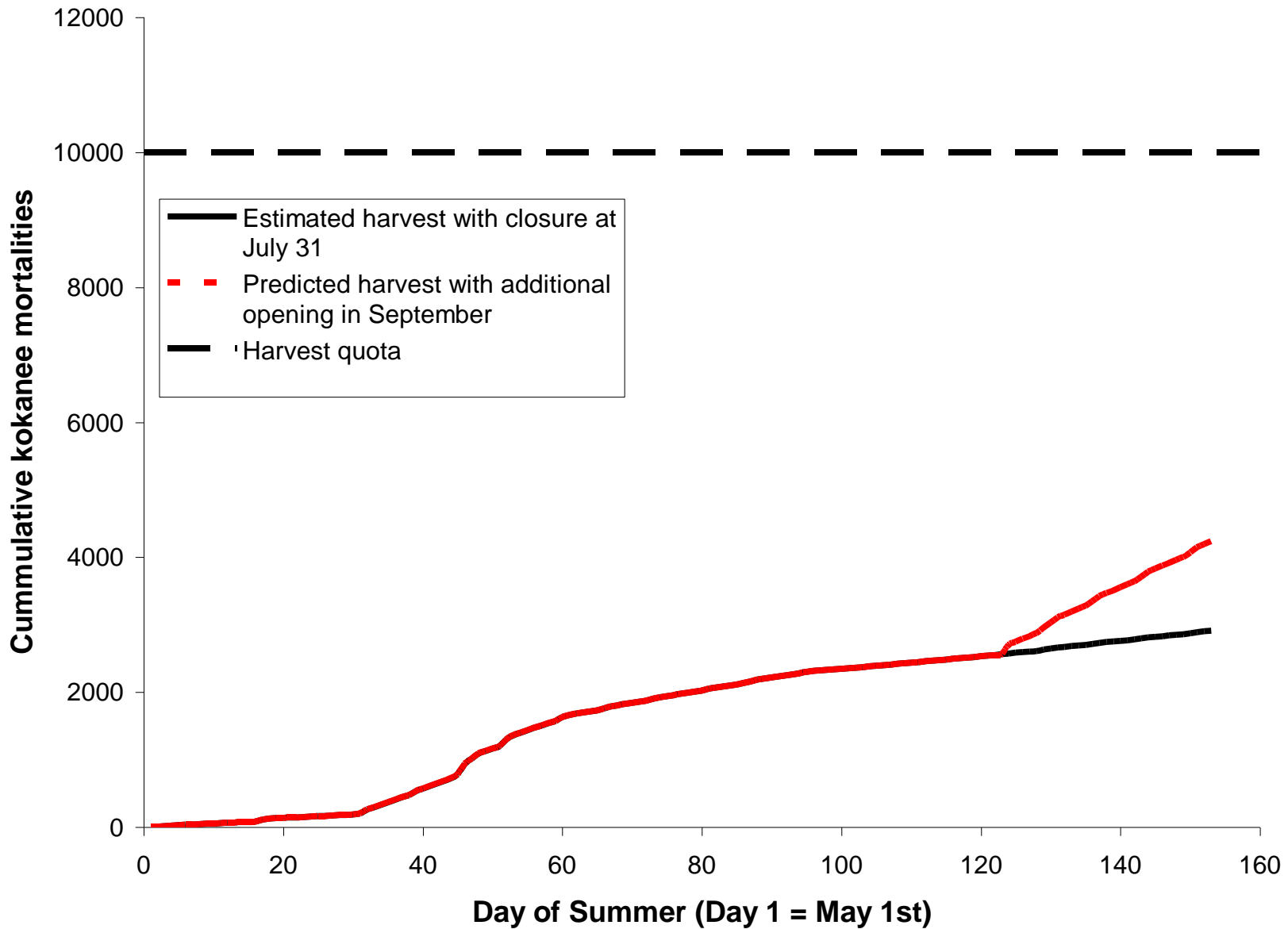
Opening of trial fisheries

1. Current estimates of angler effort.
2. Effect of kokanee fishery on angler effort.
3. Estimate total harvest and exploitation.
4. Assessment of harvest bias between stream and shore-spawning ecotypes.
5. Current estimates of angler catch success.

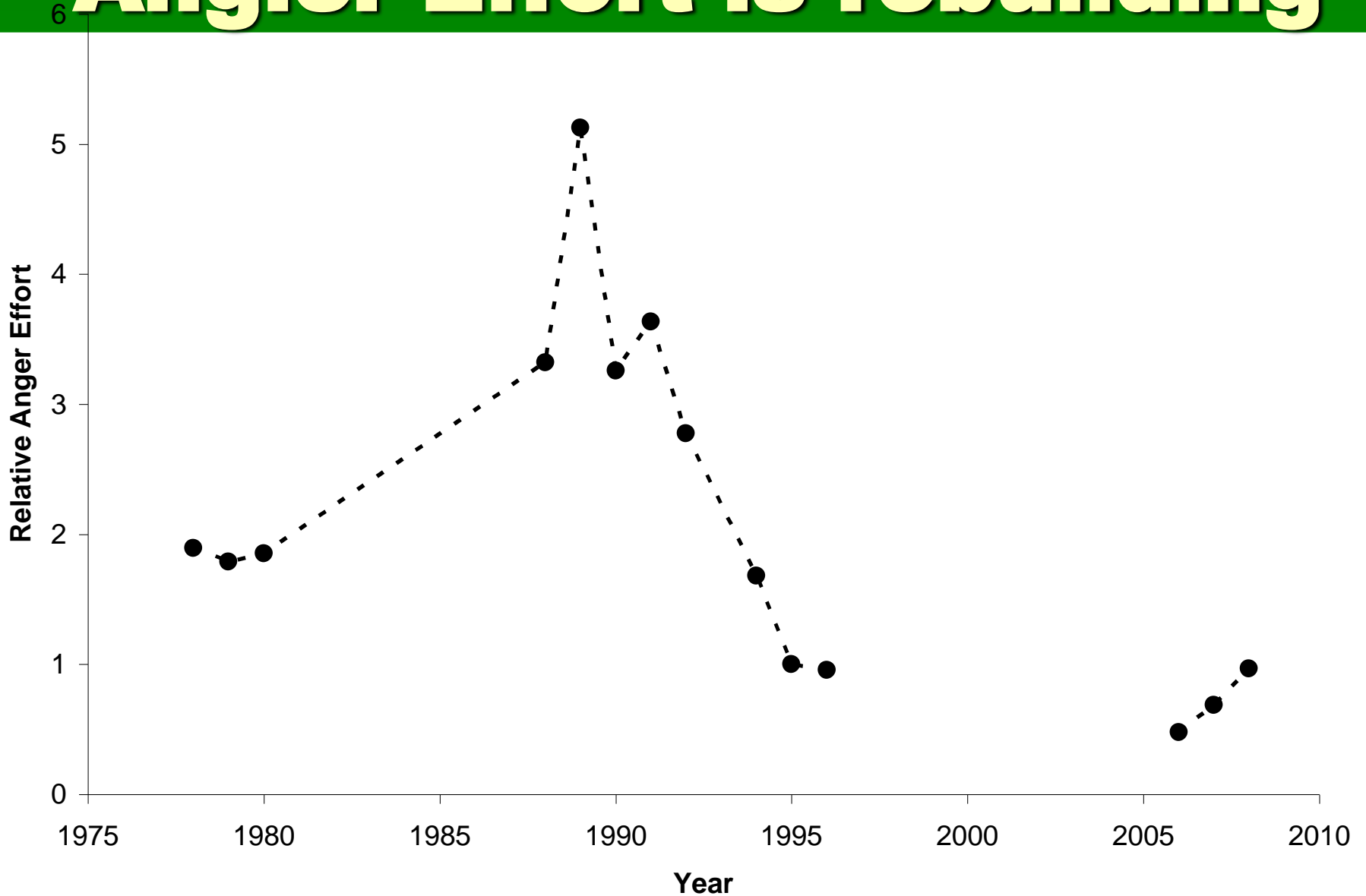
Key results from trial fisheries

- Effort directed at kokanee and corresponding catch has been low.
- We have harvested well below established quotas in all three years.
- Kokanee size is quite small (shorespawners) and this may be deterring anglers.
- A full season fishery is sustainable at current harvest and effort.
- Cautionary points: Streams spawners appear to be selected preferentially by anglers, and that is the lower productivity stock; Effort is building.

Split fishery in 2008



Angler Effort is rebuilding



The End

The image features a blue gradient background that transitions from a lighter blue at the top to a darker blue at the bottom. A white rectangular frame is positioned in the lower-left quadrant, consisting of a vertical line on the left and a horizontal line extending to the right. The text "The End" is written in a bold, white, sans-serif font in the upper-left corner.