

From: Harriet Nash [Harriet.Nash@nrc.gov]  
Sent: Monday, January 12, 2009 8:25 AM  
To: Kropp, Roy K  
Cc: Thomas Fredrichs; Laura Quinn; Parkhurst, Mary Ann; CCNPP3COL  
Resource  
Subject: FW: Summer flounder size range

-----Original Message-----

From: John Nichols [mailto:John.Nichols@noaa.gov]  
Sent: Wednesday, December 24, 2008 3:25 PM  
To: Harriet Nash  
Subject: Summer flounder size range

Harriet:

I found two references with information about juvenile (young-of-the-year) summer flounder size range in the Chesapeake Bay.

Lippson, Haire, Holland, Jacobs, Jensen, Moran-Johnson, Polgar & Richkus. 1978. Environmental Atlas of the Potomac Estuary. Martin Marietta Corp., /Prep. for/: Power Plant Siting Program, MD Department of Natural Resources.

**Juvenile summer flounder occur in the lower Potomac River from April - November, ranging in size from 8 - 25 cm total length.**

The lower Potomac is relatively close to Cove Point, and **I would expect juvenile flounder to be about the same in size range near the Calvert Cliffs plant.**

Norcross & Wyanski. 1993. Interannual variation in the recruitment pattern and abundance of age-0 summer flounder in Virginia estuaries. Fishery Bulletin, 92:591-8.

Sampling from several sites within the lower Bay (on the Eastern Shore (Bay & Ocean side), lower York River estuary), observed YOY summer flounder ranging from 1.1 - 28.5 cm total length. Flounder exceeding 2 cm total length were most common from June - September. **I would anticipate that YOY flounder first reach Calvert Co. shoreline in the spring, and would exceed 2 cm TL by that time.**