



## AEG NY-P Field Trip – November 2, 2019

Join AEG New York-Philadelphia Chapter for a trip to the Delaware Water Gap Recreation Area, where we will visit the sites of the former Pahaquarry Copper Mine, and the proposed Tocks Island Dam.

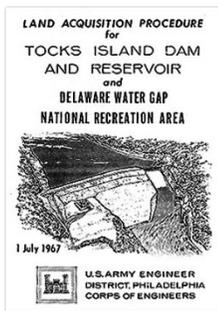
### Pahaquarry Copper Mine



We will hike up the Copper Mine Trail, and Mark Zdepski will give us a tour of the former Pahaquarry Copper Mine site. We'll see an adit that was used for mining, the mill site, an impressive exposure of dipping beds that was mined, and hear about how the mine operated. Due to the low copper concentration, the mine was not a commercial success and the venture failed.



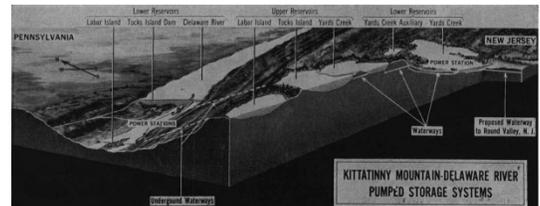
### Tocks Island Dam



A deadly flood in 1955, resulting from Hurricanes Connie and Diane, hit the Delaware River Basin. USACE began assessing damage and the need for flood control immediately. The result was the Flood Control Act of 1962. Eight dams were proposed; the cornerstone was a dam and reservoir at Tocks Island, the only one proposed on the main stem of the Delaware River. The project faced stiff opposition from environmental groups, the Tocks Island Dam project was ultimately abandoned, and the National Recreation Area was established.



We'll hike up the Rock Cores Trail to a good vantage point of the proposed dam location. Ricky Chenenko, Mark Zdepski and Bruce Rogers (USACE) will discuss the geology of the site, exploratory work performed, and dam design. We'll hike further up the Rock Cores Trail to see calyx cores – 36-inch diameter rock cores which are the product of some of the exploratory work performed for dam design.



### Logistics

Cost is \$50 Please bring a lunch, sturdy shoes/hiking boots, and hiking poles if you prefer to use them. The hiking terrain is rigorous, with glacially derived ankle twisters and tripping hazards.

8:00 AM: Meet the bus at the Flemington Route 12/Liberty Village Park & Ride near Paradise Golf. 81 NJ-12, Flemington, NJ 08822

Estimated return time at the Park & Ride is 4:00.

No rock hammers please.