

Position Check (Hopper)

The Contracting Officer’s Representative (COR) will periodically check the Latitudinal and Longitudinal position of the dredge as reported on the DQM computer screen against readings from a handheld GPS receiver. The two readings should differ by no more than 3 meters (or 10 ft), depending on the number of satellites available.

Purpose: To verify the accuracy of the dredge positioning system.

Material required:

- 1) Dredge Position check form
- 2) Handheld GPS

Procedure:

Turn on the handheld GPS and allow sufficient time to acquire the maximum number of satellites at a static location. The GPS location should be taken as close as possible to the location of the GPS antenna used by the DQM string (see DPIP for antenna location); the position reading indicated on the DQM computer screen should also be noted at the same time (this may require a second person). The two readings will then be entered into the spreadsheet form (in degrees decimal minutes) and the difference in location calculated. Number of satellites received should be noted in remarks. Difference in position should be less than 10 feet. Note: in almost all cases this data should be entered in the columns labeled GPS1.

GPS Position Check					
	GPS1 location		GPS2 location		Calculated Center
	Degress	Min	Degrees	min	
DQM Number of Satellites					
Number of Satellites Inspector					
DQM Latitude					
Inspector Latitude					
Delta	0		0		
DQM Longitude					
Inspector Longitude					
Delta	0		0		
Position Delta (ft)	#DIV/0!		#DIV/0!		