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Portfolio:	Council	Faye.		
horizons 🕋	Hydrology Operations			
regional council 🛛 🖤	Manual			
Volumetric Gauging Quality Code: Method Code (14)				

Overview:

A volumetric gauging must meet all of the criteria otherwise the quality significantly deteriorates. Criteria for quality coding volumetric gaugings are detailed below:

Quality	Criteria	NEMS
Code		Adopted
QC 600	• Random error <5%,	22/1/2015
	 WL reference if rating applicable (flow relationship) 	
	 WL measured through gauging (ESG, Logger) 	1/1/1994
QC 500	• Random error $5\% \ge x < 10\%$	22/1/2015
	• Gauging is compromised in some way and is a fair representation of the	22/1/2015
	monitored parameter	
	Measured data does not meet operational standards/best practice at	22/1/2015
	time of acquisition	
	 No WL reference if building relationship to flow 	22/1/2015
	 No measured WL through gauging (ESG, Logger) 	22/1/2015
QC 400	• Random error $\leq 10\%$	1/1/1994
QC 200	Un-calibrated instruments	22/1/2015
	 Gauging which cannot be verified 	22/1/2015
	 External/ not quality coded to meet NEMS 	1/1/1994
	Volumetric if missing:	
	 calculated uncertainty/standard deviation, 	22/1/2015
	- calibrated container,	22/1/2015
	- minimum 10 fillings,	22/1/2015
	 maximum time to fill greater than10 seconds for each fill 	22/1/2015

- 1. Add Quality Code to digital Hilltop Face card of Hydrometric Gauging
- 2. Note Quality Code on front of physical gauging card in *pencil* with initials of who completed the check and date of check
- 3. Repeat for Hilltop Face card print out
- 4. Update Gauging Register with whom checked the gauging and select the checked box
- 5. Hand in to the Data Team to Archive