Determination of the 7-day Mean Annual Low Flow (7-day MALF)
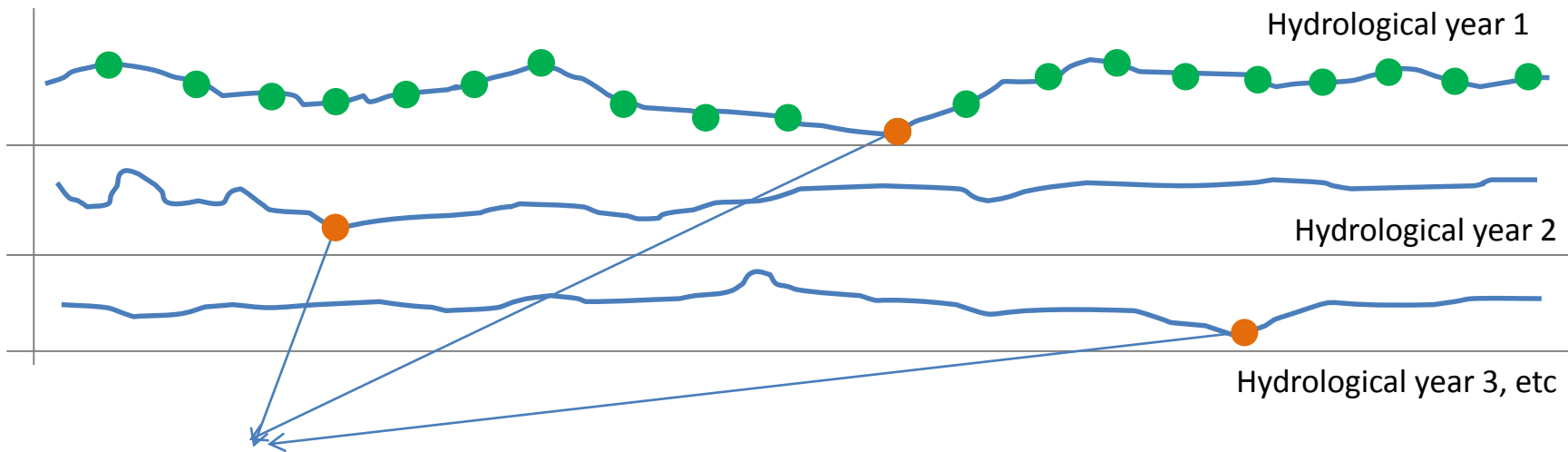
Data typically gathered every 15 minutes

flow

1 2 3 4 5 6 7

1 2 3 4 5 6 7
1 2 3 4 5 6 7

time
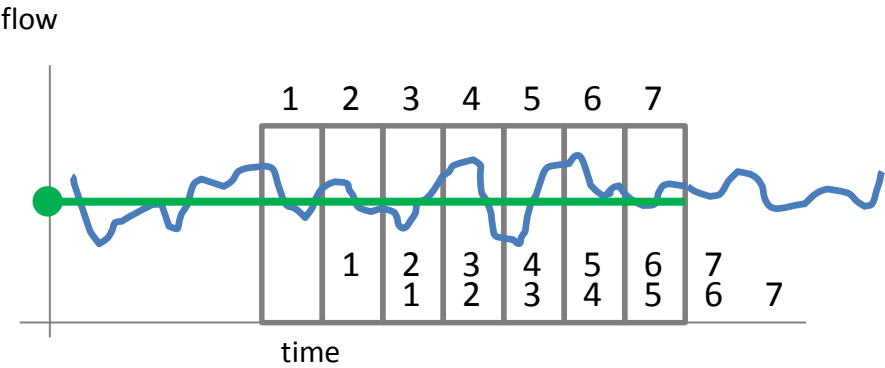
Calculate the average flow over 7 days = 🟢

Do this each day to create a running average for each hydrological year of record (1July-30June)

Identify the lowest running 7day average each year for every year of record = 🟠

Hydrological year 1

Hydrological year 2

Hydrological year 3, etc

Take the average of all of these low flows over the entire record period (eg 15 years) = 🔵

This gives us the **7-day Mean Annual Low Flow** (7day MALF) for the total sampling record.