



Methods of Measurement

Madera County GSA has created multiple pathways for measurement (allocation tracking) which include:

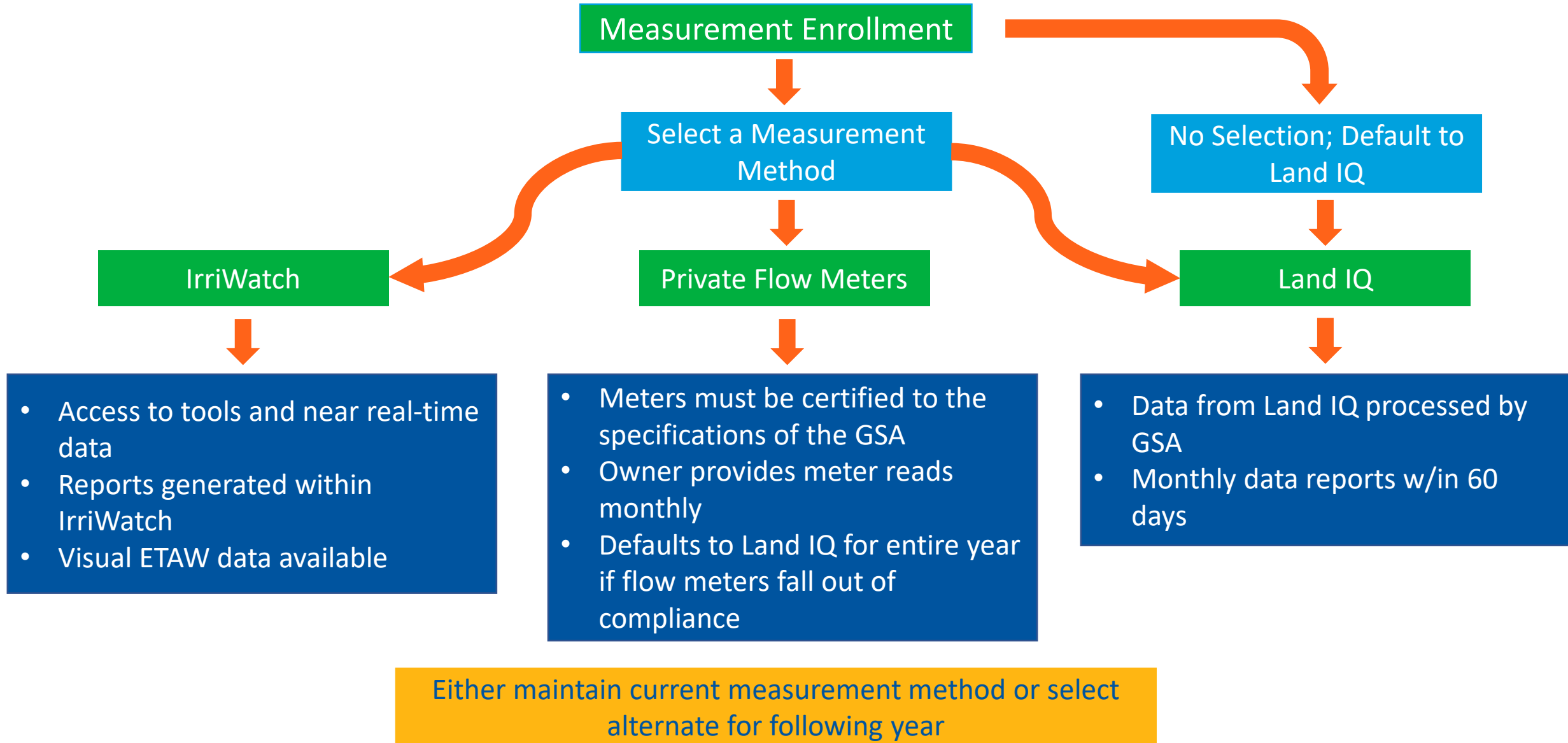
- Irriwatch
- Land IQ
- Private flow meters



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Measurement Methods





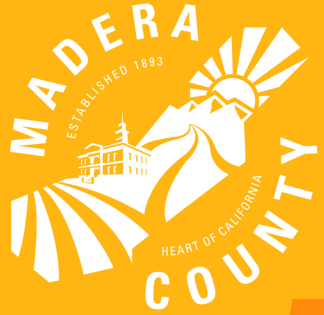
Irriwatch

- Current process uses satellite measurements to measure ET and to calculate ETAW.
- Access to reports at anytime through the portal which includes, statistical data, maps and other tools.
- Calculations are provided by Irriwatch and sent in water consumed (ETAW) format.



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Land IQ

- Uses satellite measurements to measure ET which includes 10 weather stations installed within the County GSA.
- Land IQ provides data to the county 25-30 days after month's end
- Monthly report sent out by County approximately 45 – 60 days after the month's end (e.g.: You will not receive data for January until approximately Mid March)
- Calculations will need to be completed by County staff for ETAW
- Will no longer have access to Irriwatch



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Private Flow Meter Readings

- To use this method, the following must be met:
 1. Map
 2. Meter installation report
 3. Meter calibration or flow test
 4. Irrigation efficiency
 5. An attestation on wells
 6. An attestation of the validity
- Monthly photos shall be taken with meter reads, location and date of read and provide to the County
- Will no longer receive monthly reports, maps or data from County or other companies
- Annual report sent out by county at the beginning of the year to sum up the previous year and a look into the next
- Calculations will need to be processed after submission to compute water consumed from meter reads of applied water (applied water*irrigation efficiency)
- Will no longer have access to Irriwatch



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Side by Side Comparison

	Irriwatch	Land IQ	Private Flow Meter
Data Reports	Anytime	45 - 60 days after month's end	After year's end
Reports Given By	Irriwatch Portal	County	County
Visual Data	Yes	No	No
Calculations Needed of Raw Data by County	No	Yes	Yes



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Staff Recommendations

- Adopt resolution for measurement methods
- Send out letters for opt into a measurement method by end of December
- Continue to develop meter data reporting system



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