



WM-Survey II

SURVEY AND DESIGN APP



WM-Survey II™ is a standalone, free-to-download app for conducting basic field surveys for use in water management activities. Through paid subscriptions it also automates the creation of terrace and waterway cross-section profile designs as well as auto-creates rice levee designs. Compatible with any Android™ phone or tablet (version 9.0 or higher), as well as the GFX-750™ display, users can connect their own GNSS receiver to create topographic maps for use in a variety of applications.

AUTO-DESIGN SUBSCRIPTIONS

Enabled through optional subscriptions, WM-Survey II becomes even more powerful by automating the creation of certain surface drainage structures. Typically reserved for our water management design software packages, these advanced features can generate terrace cross-section profile designs, waterway cross-section profile designs, rice levee system designs, as well as the 3D surface control files and navigational guidance lines needed by earthmoving equipment to implement the designs.

TERRACE & WATERWAY SOLUTION SUBSCRIPTION

The Terrace & Waterway Design solution allows the user to easily and automatically create a basic terrace or waterway design in just five steps. The 3D control files and feature line

guidance files for compatible Trimble® displays are also auto-created, allowing land forming work to begin right away—no more waiting for designs to come back from the office. Farmers can now perform consistent maintenance, extending the life expectancy of terraces and waterways while boosting yields in terraced fields by up to 5%.

RICE LEVEE DESIGN SUBSCRIPTION

The Levee Design subscription feature uses a five-step guided workflow to auto-create rice levees based on desired specifications and elevation across a field. Upon creation of the design, feature line guidance files are also exported and available for use in levee creation. Minimize yield loss from weather-delayed planting by building the levees right away. Eliminate the hours or days waiting for a designer to get back to you.

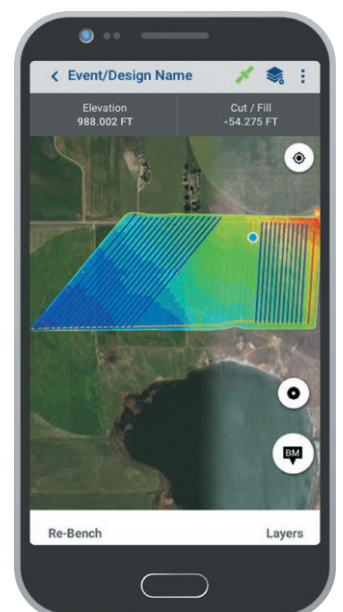
Key Benefits

- ▶ Automated terrace and waterway cross-section profile designs
- ▶ Automated rice levee designs allow same day installation
- ▶ Get to work installing designs minutes after completing field surveys
- ▶ Intuitive workflows guide users and reduce errors
- ▶ Save time with quick and easy verification of surface or tiling designs
- ▶ Save money by using the survey equipment you already own
- ▶ Easily accessible entry-level application for beginning water management work



Scan here to download the app.

Subscription	Description	Compatibility	
		GFX-750	Android v9+ Device
Core App (free)	Create and display a topographic survey of the layout of your field	✓	✓
	Import design file and verify a water management project	✓	✓
Terrace & Waterway Solution	Auto-create terrace cross-section profile design based on elevation (.txt and .xml file export included)		✓
	Auto-create waterway cross-section profile design based on line placement (.txt and .xml file export included)		✓
	Create 3D surface control files (.gps file export included)		✓
	Create guidance layer in WM-Survey II app and/or guidance layer to display system (.shp file export included)		✓
Rice Levee Solution	Auto create levee design based on elevation (.txt and .xml file export included)		✓
	Create guidance layer in WM-Survey II app and/or guidance layer to display system (.shp file export included)		✓



SUPPORTED HARDWARE

WM-Survey II Devices and Supported Receivers			
Platform	Receiver	High Precision Surveys	Low Precision Surveys
GFX-750 Display +WM-Survey II	NAV-900 Guidance Controller	✓	
	NAV-500™ Guidance Controller		✓
Mobile Android Device + WM-Survey II	SPS986 Smart Antenna	✓	
	SPS985 Smart Antenna	✓	
	AG-342 GNSS Receiver	✓	
	AgGPS 542 GNSS Receiver	✓	
	Catalyst		✓
	3rd-Party Receivers	Varies	Varies

WHY CONDUCT A SURVEY?

A survey creates an elevation map of a field that provides a general lay of the land and allows measurement of different areas. It is the first step in any water management decision making and helps determine what solutions may be applied.

When paired with a sufficiently accurate GNSS receiver, WM-Survey II allows the easy recording of elevation points across a field to generate a topographic map. This topographic map, or survey, can be exported to other software programs and be used to create land forming and grading designs as well as surface and sub-surface drainage designs.

TOPOGRAPHIC DATA CAN BE ANALYZED TO DETERMINE:

- ▶ Water flow direction in and out of survey region
- ▶ Most efficient water removal route
- ▶ Most efficient water retention location
- ▶ Ideal terrace location
- ▶ Ideal waterway location
- ▶ Ideal location for gates or pumps with drainage tile projects
- ▶ Ideal location and size of watersheds for compliance

PROJECT VERIFICATION

WM-Survey II makes verification at the end of a water management project fast and easy. Simply import the design file that was used and then walk or drive across the surface of the field to compare the designed elevation to the actual work that was performed. If any problem areas are identified, simply drop a pin to revisit at a later date.



Contact your local Ag reseller today

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