

# better management

## SaltSmart® mapping process

Consultation  
and  
site inspection

Field survey  
and  
data collection

Data processing  
and  
data analysis

Salinity  
distribution  
map



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email: [info@ruralsolutions.sa.gov.au](mailto:info@ruralsolutions.sa.gov.au)  
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# SaltSmart® mapping

The quick  
and effective  
method for assessing  
soil and salinity



# Smart solutions for better management

## SaltSmart® Mapping

Salinity is a major challenge facing the rural sector resulting in increased costs, which inhibit business profitability. Identifying less productive and at-risk land is part of meeting the challenge to deliver greater profitability.

To manage salinity and get maximum productivity from your land you need to know your soil characteristics and variation. Conventional soil analysis methods come at a high cost in time, labour and analysis.

This has changed with the introduction of SaltSmart® mapping.

## SaltSmart® Process

SaltSmart® mapping uses an EM38 electromagnetic induction meter to map soil profile variation to a depth of 1.5 metres. An EM31 meter can also be used to map to 6 metres depth where necessary. Coupled with a GPS, a complete understanding of the landscape in three dimensions is made possible. The survey technique provides rapid and accurate results, even over rough terrain.

SaltSmart® mapping has been used in dryland and irrigated areas to map the extent of any salinity or sodicity problems and the variation in soil types. Due to the relationship between soil conditions and wine health, SaltSmart® mapping can provide an excellent indication of potential yield.

## SaltSmart® Benefits

Increased accuracy results in **better land management**, with greater insight regarding both the likelihood of salt affecting a land asset within a certain time frame, as well as the impact on the land asset should the event occur.

SaltSmart® mapping is a **non-intrusive** rapid field survey method. In suitable conditions, it will not disturb the soil or affect the plant growth.

Data from SaltSmart® mapping can be combined with spatial information for use in precision farming systems. It can be used with yield and soils data to control the application of inputs, such as irrigation water and fertilisers. This can result in significant **cost savings**.

SaltSmart® mapping can become an integral component in the development of a **quality system**. You have better control over the quality of your product, reduce costs associated with poor quality and you become more competitive.

The benefits of SaltSmart® mapping extend to the purchase of new property. You can gain insight into the amount of **productive and manageable land**. This information can be used during negotiations and can potentially save you thousands of dollars.

Greater knowledge leads to **better business decisions** — SaltSmart® mapping can give you the business edge.



Smart solutions for better management

