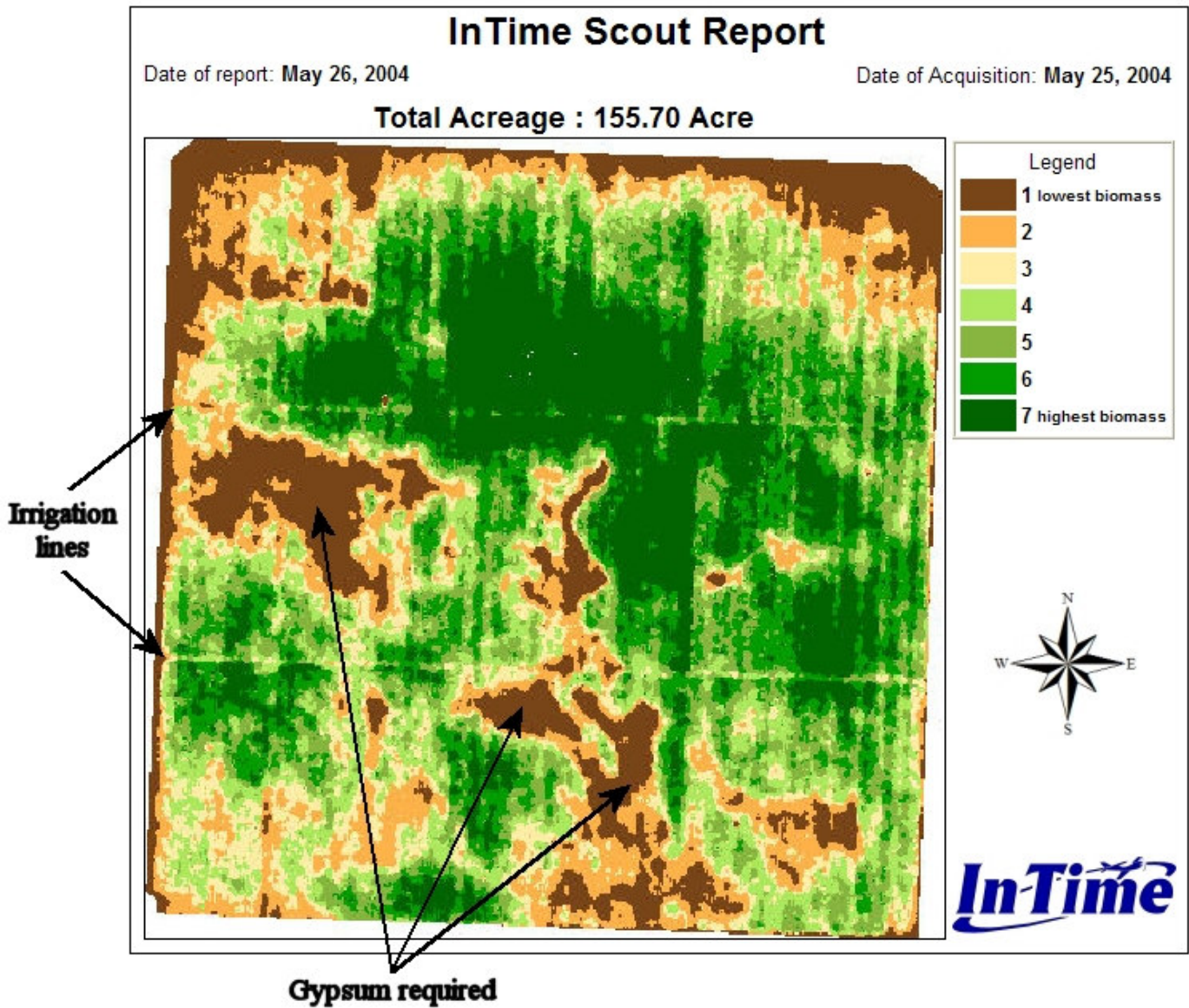


Soil Salinity Differences in Tomatoes



The seven color image above shows a classified aerial image of a tomato field in California. The two horizontal lines in the field are the irrigation lines. The big dark brown areas showed high salinity concentrations in the field. None of the soil sampling methods currently used have dealt with the problem satisfactory. Especially, detecting the areas where salinity is starting to become a problem (Class 2, 3, and 4) will be hard to find with soil sampling. However, an InTime scout image, based on the foliage differences in the field and 2 or 3 soil samples, revealed the areas where salt concentrations negatively influenced crop performance. Applying gypsum with a variable rate equipped spreader using a prescription written on InTime's website can help to increase profitability.

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