

SOIL AND SALINITY AT THE SANDS

SOIL

TEXTURE / HEAVY TO LIGHT / DETERMINE WITH RIBBON TEST

PARTICLES / AMOUNT OF CLAY, SILT, SAND AND GRAVEL AND EVERYTHING IN BETWEEN / TELLS US THE INTERACTION OF SOIL WITH WATER

STRUCTURE / GOOD TO POOR / DETERMINE WITH FEEL AND LOOK

AMOUNT OF ORGANIC MATTER / CONTAINS CARBON AND ELEMENTS FOR HEALTHY PLANT GROWTH/ HELPS RETAIN WATER/ IMPROVES DRAINAGE

pH / ACID TO ALKALINE/ DETERMINE WITH pH KIT

DETERMINES THE AVAILABILITY OF PLANT NUTRIENTS IN SOILS

SALINITY / TEST FOR SALINITY WITH CODUCTIVITY METER

DRY LAND SALINITY CAUSED BY CLEARING OF DEEP ROOTED TREES AND REPLACING WITH PASTURE AND CROPS WHICH REDUCES THE REMOVAL OF WATER BY EVAPOTRANSPIRATION WHICH CAUSES GROUND WATER LEVELS TO RISE AND BRING SALTS TO THE SURFACE

COASTAL WETLAND ON WHICH 'THE SANDS' IS ADJACENT TO AND PARTLY BUILT FOLLOWING MASSIVE SOIL AND HYDRAULIC ENGINEERING TO LIFT THE GOLF COURSE AND RESIDENTIAL DEVELOPMENT ABOVE INUNDATION LEVELS WITH FULLY RETICULATED WATER AND SEWAGE PROTECTING WETLANDS FROM STORMWATER RUNOFF BY CREATING A SYSTEM OF LAKES WHICH ARE NOT CONNECTED TO WETLANDS OR GROUNDWATER. THERE IS A '*SALINITY MANAGEMENT OVERLAY*' SMO AT THE SANDS. GROUND WATER MONITORING POINTS ARE MAINTAINED CLOSE TO THE WETLANDS AT THE EAST END OF Sands Boulevard, Lahinch Mews and St Georges Way. IN MAY 2009 71 PROPERTIES WERE NOMINATED AS IN THE 'SALINITY BUFFER' BUT ARE UNAFFECTED BY SALT.

SALT AND PLANTS

SALT AFFECTED PLANTS FAIL TO THRIVE, LEAF CHANGES DUE TO DEFICIENCY IN CALCIUM AND MAGNISIUUM, PRONE TO DESEASE AND DEATH
REMEDY PLANT DEEP ROOTED TREES, SALT TOLERANT PLANTS, DEEP RIP SOILS, WATER WISELY, USE OF MULCH, IMPROVE STRUCTURE AND USE FERTIZERS WISELY