REF No 22159

M & R F8

borehole no: BH14

sheet 1 of 2

engineering log — cored borehole

File No.

project: MUSSELROE WIND FARM : PRELIMINARY GEOTECH INVESTIGATIONS

borehole location: GPS:

hole commenced: 1/4/05

hole completed: 1/4/05

supervised by: E BIRCH

log checked by: T. BOWLING

drill model and mounting: CMV MK 600 TRACK slope: VERT deg.

barrel type and length: HQTT 2·6 fluid bearing: deg.

R. L. surface: ~10 m

datum: NOT SURVEYED Driller G. BAKER.

drilling information					rock substance				rock mass defects	
method	case-lift	water		depth metres	graphic log / core loss	substance description (rock type: grain characteristics, colour, structure, minor components.)	weathering	strength Is (50) EL VL L M H VH EH	defect spacing mm 30 60 100 200 600 1000 2000 3000	defect description (thickness, type, inclination, planarity, roughness, coating.) particular / general
						TOPSOIL; gravel, silty fines, brown.				
						DOLERITE, fine grained. grey	SW			sub horizontal joints ironed stained, rough,
				1.0						
			Is(50) = 10.9	2.0			Fr			2·3m sub vertical joint closed, joints infilled
			Is(50) = 10.2	3.0						
				4.0						horizontal joint open, rough, clean
			Is(50) = 11.9	5.0						sub horizontal joint rough, clean, horizontal joint open, rough, clean
			Is(50) = 7.5	6.0						closed, subvertical joints, irregular
				7.0						
				8.0						

HQTT 2.6m BARREL

key

method

AS	auger screwing
AD	auger drilling
R	roller/tricone
W	washbore
NMLC	NMLC core drilling

case-lift

- casing used
- barrel withdrawn

water

- 10 Oct, 73 water level date shown
- water inflow
- partial drilling water loss
- complete drilling water loss

graphic log/core loss

- core recovered (hatching indicates material)
- no core recovered

weathering

Fr	fresh
SW	slightly weathered
MW	moderately weathered
HW	highly weathered
EW	extremely weathered

strength (indirect tensile strength)

EL	extremely low
VL	very low
L	low
M	medium
H	high
VH	very high
EH	extremely high

M & R F8

borehole no: BH14

sheet 2 of 2

engineering log — cored borehole

File No.

project: MUSSELROE WIND FARM : PRELIMINARY GEOTECH INVESTIGATIONS

borehole location:

hole commenced: 1/4/05

hole completed: 1/4/05

supervised by: E. BIRCH

log checked by:

drill model and mounting: CMV MK 600 TRACK slope: VERT deg.

barrel type and length: HQTT 2.6 fluid bearing: deg.

R. L. surface: ~10 m

datum: NOT SURVEYED Driller G. BAKER

drilling information				rock substance					rock mass defects	
method	case-lift	water		R.L. depth metres	graphic log / core loss	substance description: rock type, grain characteristics, colour, structure, minor components.	weathering	strength Is (50) EL VL L M H VH EH	defect spacing mm 30 60 200 600 2000 >6000	defect description: thickness, type, inclination, planarity, roughness, coating. particular / general
HQTT 2.6 BARREL.			Is(50)=10.7	9.0		DOLERITE, fine grained, grey	F			Sub horizontal open joint rough clean.
			Is(50)=9.6	10.0						massive
			Is(50)=6.4	11.0						sub horizontal open joint clean rough.
				12.0		END OF BOREHOLE 12.05m				

key

method

AS auger screwing
AD auger drilling
R roller/tricone
W washbore
NMLC NMLC core drilling

case-lift

casing used
barrel withdrawn

water

10 Oct, 73 water level date shown
water inflow
partial drilling water loss
complete drilling water loss

graphic log/core loss

core recovered (hatching indicates material)
no core recovered

weathering

Fr — fresh
SW — slightly weathered
MW — moderately weathered
HW — highly weathered
EW — extremely weathered

strength (indirect tensile strength)

EL — extremely low
VL — very low
L — low
M — medium
H — high
VH — very high
EH — extremely high