LEGEND

DENOTES 30° ROTATION OF INNER HARBOUR

DENOTES ALTERNATIVE CHANNEL ENTRANCE

DENOTES ABORIGINAL MIDDEN SITE - RELATIVELY HIGH ARCHAEOLOGICAL VALUE

DENOTES ABORIGINAL MIDDEN SITE - RELATIVELY LOW ARCHAEOLOGICAL VALUE

DENOTES ABORIGINAL MIDDEN SITE - NO ARCHAEOLOGICAL VALUE

1. PWD REPORT, "SHELLHARBOUR BOATHARBOUR: SOILS INVESTIGATION" REPORT No. 84001, DECEMBER 1983

PWD BH - DENOTES TEST PIT LOCATION - PWD BH1 to BH6 (6 No.) (REFERRED TO AS 'BOREHOLES' IN REPORT - ACTUALLY TEST PITS. BH7 TO BH15 REFERRED TO IN DAMES & MOORE (3) BUT NOT INCLUDED IN REPORT)

2. PWD REPORT, "ILLAWARRA BICENTENNIAL BOATHARBOUR - OFFSHORE GEOTECHNICAL RECONNAISSANCE", NOVEMBER 1984

PWD - DENOTES WATER JETTING LOCATION - J1A to J5D (24 No.)

PWD - DENOTES AIR JETTING LOCATION - 3(i) to 5(iii) (10 No.) STRATA NOT INCLUDED IN DTM

3. DAMES & MOORE REPORT, "ILLAWARRA BOATHARBOUR FEASIBILITY STUDY - GEOTECHNICAL INVESTIGATION", REPORT No. 85021, DECEMBER 1984

DM - DENOTES BOREHOLE LOCATION - DM 1A to 15E (31 No.)

4. GOLDER ASSOCIATES REPORT TO SHELLHARBOUR MUNICIPAL COUNCIL, "GEOTECHNICAL INVESTIGATION OF WASTE DISPOSAL AREA SHELLHARBOUR", REPORT No. 87650027, APRIL 1987

GA GE - DENOTES GAS EMISSION HOLE LOCATION - GA GE1 to GE12 (12 No.)

GA MO - DENOTES GROUNDWATER MONITORING LOCATION - GA MO13 to MO16 (4 No.)

GA BH - DENOTES BOREHOLE LOCATION - GA BH17 to BH21 (5 No.)

GA TP - DENOTES TEST PIT LOCATION - GA TP1 to TP9 (9 No.)

5. GOLDER ASSOCIATES REPORT TO WALKER CORPORATION, "SHELL COVE EIS BOATHARBOUR/MARINA", REPORT No. 94650116.H, MAY 1995

GB - DENOTES BOREHOLE LOCATION - GB1 to GB14, GB21, GB22, GB24, GB25, GB27 to GB32 (24 No.)

GMW - DENOTES MONITORING WELL LOCATION - GMV1 to GMV11 (11 No.)

GOW - DENOTES OBSERVATION WELL WATER LOCATION - GOW1 to GOW5 (No.)

GTP - DENOTES TEST PIT LOCATION - GTP1 to GTP32, GTP35 to GTP39 (37 No.)

6. GOLDER ASSOCIATES REPORT TO WALKER CORPORATION, "SHELL COVE EIS BOATHARBOUR/MARINA - ADDITIONAL ACID SOIL AND GEOTECHNICAL INVESTIGATION", REPORT No. 95653079.B, MAY 1995

GB - DENOTES BOREHOLE LOCATION - GB15 to GB20, GB23, GB26, GB33 to GB37 (13 No.)

GMW - DENOTES MONITORING WELL LOCATION - GMV14 to GMV15 (2 No.)

7. AWACS REPORT, "SHELL COVE DEVELOPMENT, SHELLHARBOUR, PHYSICAL MODEL STUDY", REPORT 94/22, JANUARY 1995

- BATHYMETRIC SURVEY TRACKS:

SAND

ROCK

8. GOLDER ASSOCIATES FAX TO WALKER CORPORATION, "SHELL COVE MARINA ENTRANCE", 3 OCTOBER 1995

GB - DENOTES BOREHOLE LOCATION - GB101 to GB104 (4 No.)

9. DOUGLAS PARTNERS REPORT TO AUSTRALAND, "GEOTECHNICAL INVESTIGATION OF SHELLHARBOUR SWAMP LANDFILL", REF. 256991, MAY 2001

TP - DENOTES DENOTES TEST PIT LOCATION - TP1 to TP29 (29 No.)

10. DOUGLAS PARTNERS REPORT TO AUSTRALAND, "ADDITIONAL INVESTIGATION QBZ & MARINA AREA, SHELL COVE", REF. 25999D, NOVEMBER 2001

DP TP - DENOTES TEST PIT LOCATION - DP TP17A to TP18A (2 No.)

11. COFFEY GEOSCIENCES INVESTIGATION FOR PATTERSON BRITTON, AUGUST 2003

CTP - DENOTES TEST PIT LOCATION - CTP1 to CTP10 (10 No.)

CBH - DENOTES BOREHOLE LOCATION - CBH1 to CBH5 (5 No.)

SEISMIC REFRACTION LINES

12. COFFEY GEOSCIENCES INVESTIGATION FOR PATTERSON BRITTON, OCTOBER 2004

CGTP - DENOTES TEST PIT LOCATION - CGTP1 to CGTP26 (27 No.)

CGBH - DENOTES BOREHOLE LOCATION - CGBH1 to CGBH21 (22 No.) NOTE: INCLUDES WELLS & BOREHOLES

CGP - DENOTES PIEZOCONE LOCATION - CGP1 to CGP18 (18 No.)

SW1 - DENOTES SURFACE WATER LEVEL MONITORING LOCATION - SW1 (1 No.)

SEISMIC REFRACTION LINES

13. VIBROCORES

MHLV1 - DENOTES VIBROCORE CARRIED OUT BY MANLY HYDRAULIC LABORATORY

EFV1 - DENOTES VIBROCORE CARRIED OUT BY ED FRANKEL

14. COFFEY GEOSCIENCES INVESTIGATION FOR PATTERSON BRITTON, REPORT No. SC2058/2-BX DECEMBER 2004 AND SC2058/2-BO DATED JULY 2004

CGBH - DENOTES BOREHOLE LOCATION - CGBH22A to CGBH28 (7 No.) NOTE: INCLUDES WELLS & BOREHOLES

15. COFFEY GEOTECHNICS INVESTIGATION FOR AUSTRALAND, DECEMBER 2006

CGBH - DENOTES BOREHOLE LOCATION (19 No.)

CGP - DENOTES PIEZOCONE LOCATION - CGP19 to CGP20 (3 No.)

SHELL COVE SITE BOUNDARY

EXTENT OF INVESTIGATION AREA

TERRAIN REGIME

TERRAIN REGIME	DESCRIPTIVE NAME	MAJOR NEAR SURFACE MATERIALS*
A-1	BEACH	LITTORAL SANDS OVER UNIT 4/5
A-2		LITTORAL SANDS OVER UNIT 3
B	WETLAND	ESTUARINE SEDIMENTS
C	ALLUVIAL PLAIN	ALLUVIUM
D-1	LANDFILL	"CLEAN" FILL
D-2		REFUSE FILL - GROUND LEVEL <4m AHD
D-3		REFUSE FILL - GROUND LEVEL >4m AHD
E	FOOTSLOPE	RESIDUAL SOIL/ EXTREMELY WEATHERED ROCK
F	HEADLAND	ROCK

* LOCAL FILL MAY OVERLY SOME TERRAIN REGIMES BY UP TO 1m.

50 0 50 150 250

Horizontal Scale (metres)

drawn	SW/SM/SD
approved	SM
date	5/6/07
scale	AS SHOWN
original size	A1

coffey geotechnics
SPECIALISTS MANAGING THE EARTH

client: AUSTRALAND / PATTERSON BRITTON AND PARTNERS

project: STAGE 3 GEOTECHNICAL INVESTIGATION
SHELL COVE BOATHARBOUR, SHELLHARBOUR

title: AERIAL PHOTO OF SITE SHOWING ALL PREVIOUS AND CURRENT TEST LOCATIONS AND TERRAIN REGIMES

project no: GEOTUNAN02058AM-AN

figure no: FIGURE 1