

Appendices

Appendix 1: WW2 plane crashes in the study area

These listings are based on reports contained in Civil Defence, Police and Air Ministry reports, although all the incidents at Thorney Island airfield are not shown. This table has been compiled from information in Burgess and Saunders 1990, 1994, 1995.

04.09.39	Anson	Thorney Island creek
07.02.40	Anson	West Wittering
16.08.40	Hurricane	Manor Farm, Chidham
18.08.40	Junkers 87	North Barn, Chidham
26.08.40	Hurricane	Birdham
26.08.40	Hurricane	West Wittering
21.09.40	Junkers 88	Mudbury Farm, Bosham
25.09.40	Blenheim	Stockers Sands, West Wittering
08.10.40	Blenheim	Chidham
07.11.40	Hurricane	Earnley Mill, Birdham
13.11.40	Blenheim	Thorney Island
15.11.40	Spitfire	Birdham
02.12.40	M/smirt 109	Off Pilsey Island
06.12.40	Blenheim	Nr Thorney Island
18.04.41	Junkers 88	Thorney Island
07.08.41	Hudson	Thorney mud flats
19.08.41	Beaufort	Thorney Island
31.08.41	Spitfire	Within study area
17.09.41	Beaufighter	Emsworth Channel
29.09.41	Hudson	Thorney Island airfield
04.08.42	Havoc	Little Grove Farm
25.09.42	Blackburn Roc	Nr Thorney Island airfield
12.01.43	Liberator	Thorney Island
23.03.43	Hampden	Marshes, Thorney Island
20.06.43	Spitfire	Appledram
26.09.43	Thunderbolt	Appledram
08.02.44	Wellington	Wakefords Farm, Chidham
08.02.44	Mosquito	Westbourne
18.06.44	Typhoon	Prinsted
23.06.44	Mosquito	Thorney Island
09.09.44	Mosquito	Thorney Island airfield
10.02.45	Lancaster	Thorney Island

Appendix 2: UKHO raw data for wrecks in the AONB

Latitude = 50 50'.333 N **Longitude** = 000 58'.617 W [OGB] **Square Number** = 136 **State** = LIVE

Wreck Number 20213 **Classification** = Unclassified

Symbol STP **Largest Scale Chart** = 3418

Charting Comments

Old Number 013605409

Category Wreck showing any portion of hull/superstructure

WGS84 Position **Latitude** = 50 50'.367 N **Longitude** = 000 58'.705 W

WGS84 Origin 3-D Cartesian Shift (BW)

Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method Air photography

Position Quality Precisely known

Position Accuracy

Area at Largest Scale YES

Depth

Drying Height

Height

General Depth -4 metres

Vertical Datum Lowest astronomical tide

Depth Method

Depth Quality Depth unknown

Depth Accuracy

Conspic Visual NO

Conspic Radar NO

Historic NO

Existence Doubtful NO

Non Sub Contact NO

Last Amended 17/01/2000

Position Last Amended

Position Last **Latitude** = **Longitude** =

Name

Type

Flag

Dimensions **Length** = **Beam** = **Draught** =

Tonnage

Cargo

Date Sunk

Sonar Dimensions **Length** = **Width** = **Shadow Height** =

Orientation

Magnetic Anomaly

Debris Field

Scour **Depth** = **Length** = **Orientation** =

Markers

General Comments

Circumstances of Loss

Surveying Details

**28.8.84 STF SHOWN IN 505020N, 005837W [OGB] ON PHOTO PLOT PG 1686/2. NE 3418.

POSITIONS BELOW THIS POINT ARE IN DEGREES, MINUTES AND DECIMALS OF A MINUTE

**4.1.00 AMEND TO STP [CARRIES INTER-TIDAL TINT]. NE 3418.

Latitude = 50 49'.700 N **Longitude** = 000 51'.817 W [OGB] **Square Number** = 136 **State** = LIVE
Wreck Number 20203 **Classification** = Unclassified
Symbol ST **Largest Scale Chart** = 3418
Charting Comments

Old Number 013605288
Category Wreck showing any portion of hull/superstructure

WGS84 Position **Latitude** = 50 49'.734 N **Longitude** = 000 51'.906 W
WGS84 Origin 3-D Cartesian Shift (BW)
Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method Air photography
Position Quality Precisely known
Position Accuracy
Area at Largest Scale No

Depth
Drying Height
Height
General Depth -3 metres
Vertical Datum Lowest astronomical tide
Depth Method
Depth Quality Depth unknown
Depth Accuracy
Conspic Visual NO **Conspic Radar** NO
Historic NO **Existence Doubtful** NO
Non Sub Contact NO

Last Amended 28/10/1983
Position Last Amended
Position Last **Latitude** = **Longitude** =

Name
Type
Flag
Dimensions **Length** = **Beam** = **Draught** =
Tonnage
Cargo
Date Sunk

Sonar Dimensions **Length** = **Width** = **Shadow Height** =
Orientation

Magnetic Anomaly
Debris Field
Scour **Depth** = **Length** = **Orientation** =

Markers
General Comments

Circumstances of Loss

Surveying Details
**H1270/82 11.10.83 ST SHOWN IN 504942N, 005149W [OGB] ON PHOTOPLOT PG1720/1-2. R/P.
POSITIONS BELOW THIS POINT ARE IN DEGREES, MINUTES AND DECIMALS OF A MINUTE

Latitude = 50 49'.350 N **Longitude** = 000 48'.617 W [OGB] **Square Number** = 136
Wreck Number 20204 **Classification** = Unclassified
Symbol OB **Largest Scale Chart** = 3418
Charting Comments

State = LIVE

Old Number 013605306
Category Undefined

WGS84 Position **Latitude** = 50 49'.384 N **Longitude** = 000 48'.706 W
WGS84 Origin 3-D Cartesian Shift (BW)
Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method Air photography
Position Quality Precisely known
Position Accuracy
Area at Largest Scale No

Depth
Drying Height
Height
General Depth -2 metres
Vertical Datum Lowest astronomical tide
Depth Method
Depth Quality Depth unknown
Depth Accuracy
Conspic Visual NO **Conspic Radar** NO
Historic NO **Existence Doubtful** NO
Non Sub Contact NO

Last Amended 17/01/2000
Position Last Amended
Position Last **Latitude** = **Longitude** =

Name
Type
Flag
Dimensions **Length** = **Beam** = **Draught** =
Tonnage
Cargo
Date Sunk

Sonar Dimensions **Length** = **Width** = **Shadow Height** =
Orientation

Magnetic Anomaly
Debris Field
Scour **Depth** = **Length** = **Orientation** =

Markers
General Comments

Circumstances of Loss

Surveying Details
**11.10.83 OBSTN SHOWN IN 504921N, 004837W [OGB] ON PHOTOPLOT PG1720/1-2. BR STD.

POSITIONS BELOW THIS POINT ARE IN DEGREES, MINUTES AND DECIMALS OF A MINUTE

Latitude = 50 49'.217 N **Longitude** = 000 48'.800 W [OGB] **Square Number** = 136 **State** = LIVE
Wreck Number 20205 **Classification** = Unclassified
Symbol STP **Largest Scale Chart** = 3418
Charting Comments LENGTH, BEAM CHARTED AS 20X10MTRS

Old Number 013605318
Category Wreck showing any portion of hull/superstructure

WGS84 Position **Latitude** = 50 49'.251 N **Longitude** = 000 48'.889 W
WGS84 Origin 3-D Cartesian Shift (BW)
Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method Air photography
Position Quality Precisely known
Position Accuracy
Area at Largest Scale YES

Depth
Drying Height
Height
General Depth -3 metres
Vertical Datum Lowest astronomical tide
Depth Method
Depth Quality Depth unknown
Depth Accuracy
Conspic Visual NO **Conspic Radar** NO
Historic NO **Existence Doubtful** NO
Non Sub Contact NO

Last Amended 04/01/2000
Position Last Amended
Position Last **Latitude** = **Longitude** =

Name
Type
Flag
Dimensions **Length** = **Beam** = **Draught** =
Tonnage
Cargo
Date Sunk

Sonar Dimensions **Length** = **Width** = **Shadow Height** =
Orientation 135/315

Magnetic Anomaly
Debris Field
Scour **Depth** = **Length** = **Orientation** =

Markers
General Comments

Circumstances of Loss

Surveying Details
**11.10.83 STF SHOWN IN 504913N, 004848W [OGB] ON PHOTOPLOT PG1720/1-2. LIES NW/SE. BR STD.

POSITIONS BELOW THIS POINT ARE IN DEGREES, MINUTES AND DECIMALS OF A MINUTE
**4.1.00 AMEND TO STP [CARRIES INTER-TIDAL TINT]. NE 3418

Latitude = 50 49'.183 N **Longitude** = 000 48'.850 W [OGB] **Square Number** = 136 **State** = LIVE
Wreck Number 20206 **Classification** = Unclassified
Symbol STP **Largest Scale Chart** = 3418
Charting Comments LENGTH, BEAM CHARTED AS 25X10MTRS

Old Number 013605331
Category Wreck showing any portion of hull/superstructure

WGS84 Position **Latitude** = 50 49'.218 N **Longitude** = 000 48'.939 W
WGS84 Origin 3-D Cartesian Shift (BW)
Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method Air photography
Position Quality Precisely known
Position Accuracy
Area at Largest Scale YES

Depth
Drying Height
Height
General Depth -2 metres
Vertical Datum Lowest astronomical tide
Depth Method
Depth Quality Depth unknown
Depth Accuracy
Conspic Visual NO **Conspic Radar** NO
Historic NO **Existence Doubtful** NO
Non Sub Contact NO

Last Amended 04/01/2000
Position Last Amended
Position Last **Latitude** = **Longitude** =

Name
Type
Flag
Dimensions **Length** = **Beam** = **Draught** =
Tonnage
Cargo
Date Sunk

Sonar Dimensions **Length** = **Width** = **Shadow Height** =
Orientation 090/270

Magnetic Anomaly
Debris Field
Scour **Depth** = **Length** = **Orientation** =

Markers
General Comments

Circumstances of Loss

Surveying Details
**H1270/82 11.10.83 STF SHOWN IN 504911N, 004851W [OGB] ON PHOTOPLOT PG1720/1-2. R/P.

POSITIONS BELOW THIS POINT ARE IN DEGREES, MINUTES AND DECIMALS OF A MINUTE
**4.1.00 AMEND TO STP [CARRIES INTER-TIDAL TINT]. NE 3418

Latitude = 50 48'.400 N **Longitude** = 000 55'.608 W [OGB] **Square Number** = 136 **State** = LIVE
Wreck Number 20247 **Classification** = Unclassified
Symbol ST D2.7 **Largest Scale Chart** = 3418
Charting Comments

Old Number 013605768
Category Wreck showing any portion of hull/superstructure

WGS84 Position **Latitude** = 50 48'.434 N **Longitude** = 000 55'.697 W
WGS84 Origin 3-D Cartesian Shift (BW)
Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method Horizontal sextant angle
Position Quality Precisely known
Position Accuracy
Area at Largest Scale No

Depth
Drying Height 2.7 metres
Height

General Depth -3 metres
Vertical Datum Lowest astronomical tide
Depth Method
Depth Quality Least depth known
Depth Accuracy
Conspic Visual NO **Conspic Radar** NO
Historic NO **Existence Doubtful** NO
Non Sub Contact NO

Last Amended 10/05/1989
Position Last Amended
Position Last **Latitude** = **Longitude** =

Name
Type AIRCRAFT WKGE
Flag
Dimensions **Length** = **Beam** = **Draught** =
Tonnage
Cargo
Date Sunk

Sonar Dimensions **Length** = **Width** = **Shadow Height** =
Orientation

Magnetic Anomaly
Debris Field
Scour **Depth** = **Length** = **Orientation** =

Markers
General Comments

Circumstances of Loss

Surveying Details

**HH232/352/01 10.5.89 REMAINS OF AIRCRAFT, COVERING AN AREA ABT 50FT IN DIAMETER, IN POSN 331.5DEGS (T), 1.22M FROM EAST HEAD BN, CHICHESTER HBR. HIGHEST AND SHARPEST PART [WING UNDERCARRIAGE ASSEMBLY] STANDS 3FT ABOVE SURROUNDING MUD AND SAND AND WAS OBSERVED TO JUST COVER AT 1300A, 30 APR '89 AND THUS DRIES 2.7MTRS [LAT]. (CAPT J W F BRIGGS, HN 30.4.89). CHART AS ST, DRIES 2.7MTRS, IN 504824N, 005536W [OGB]. NE 3418.

Latitude = 50 48'.267 N **Longitude** = 000 49'.900 W [OGB] **Square Number** = 136 **State** = LIVE
Wreck Number 20202 **Classification** = Unclassified
Symbol ST **Largest Scale Chart** = 3418
Charting Comments

Old Number 013605276
Category Wreck showing any portion of hull/superstructure

WGS84 Position **Latitude** = 50 48'.301 N **Longitude** = 000 49'.989 W
WGS84 Origin 3-D Cartesian Shift (BW)
Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method Air photography
Position Quality Precisely known
Position Accuracy
Area at Largest Scale No

Depth
Drying Height
Height
General Depth -1 metres
Vertical Datum Lowest astronomical tide
Depth Method
Depth Quality Depth unknown
Depth Accuracy
Conspic Visual NO **Conspic Radar** NO
Historic NO **Existence Doubtful** NO
Non Sub Contact NO

Last Amended 28/10/1983
Position Last Amended
Position Last **Latitude** = **Longitude** =

Name
Type
Flag
Dimensions **Length** = **Beam** = **Draught** =
Tonnage
Cargo
Date Sunk

Sonar Dimensions **Length** = **Width** = **Shadow Height** =
Orientation

Magnetic Anomaly
Debris Field
Scour **Depth** = **Length** = **Orientation** =

Markers
General Comments

Circumstances of Loss

Surveying Details
**H1270/82 11.10.83 ST SHOWN IN 504816N, 004954W [OGB] ON PHOTOPLOT PG1720/1-2. R/P.

POSITIONS BELOW THIS POINT ARE IN DEGREES, MINUTES AND DECIMALS OF A MINUTE

Latitude = 50 46'.458 N **Longitude** = 000 56'.700 W [OGB] **Square Number** = 136 **State** = LIVE
Wreck Number **20160** **Classification** = Unclassified
Symbol OB **Largest Scale Chart** = 3418
Charting Comments

Old Number 013604818
Category Undefined

WGS84 Position **Latitude** = 50 46'.493 N **Longitude** = 000 56'.788 W
WGS84 Origin 3-D Cartesian Shift (BW)
Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method Compass Bearing and Radar Range
Position Quality Precisely known
Position Accuracy
Area at Largest Scale No

Depth
Drying Height
Height
General Depth -1 metres
Vertical Datum Lowest astronomical tide
Depth Method
Depth Quality Depth unknown
Depth Accuracy
Conspic Visual NO **Conspic Radar** NO
Historic NO **Existence Doubtful** NO
Non Sub Contact NO

Last Amended 18/02/1981
Position Last Amended
Position Last **Latitude** = **Longitude** =

Name
Type OPEN BOX
Flag
Dimensions **Length** = 10.0 metres **Beam** = 2.0 metres **Draught** =
Tonnage
Cargo
Date Sunk

Sonar Dimensions **Length** = **Width** = **Shadow Height** = 0.8 metres
Orientation 000/180

Magnetic Anomaly
Debris Field
Scour **Depth** = **Length** = **Orientation** =

Markers
General Comments

Circumstances of Loss

Surveying Details
**H4585/76 13.8.80 OPEN BOX, LYING N/S, MEASURING 10X2MTRS & STANDING PROUD OF SEABED BY 0.8MTR, EXISTS IN 248DEGS, 790MTRS EASTOKE BN. (CHICHESTER HBR 5/80). CHART AS OBSTN IN 504627.5N, 005642W [OGB]. R/P.
**H2038/82 16.2.84 NOT FOUND. (SCESU, HI 111). NCA YET.

POSITIONS BELOW THIS POINT ARE IN DEGREES, MINUTES AND DECIMALS OF A MINUTE

Latitude = 50 50'.533 N **Longitude** = 000 56'.083 W [OGB] **Square Number** = 136 **State** = DEAD
Wreck Number **58342** **Classification** = Unclassified
Symbol ST **Largest Scale Chart** = 3418
Charting Comments
Old Number
Category Wreck showing any portion of hull/superstructure

WGS84 Position **Latitude** = 50 50'.567 N **Longitude** = 000 56'.172 W
WGS84 Origin 3-D Cartesian Shift (BW)
Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method
Position Quality Surveyed
Position Accuracy
Area at Largest Scale No

Depth
Drying Height
Height
General Depth -2 metres
Vertical Datum Lowest astronomical tide
Depth Method
Depth Quality Depth unknown
Depth Accuracy
Conspic Visual NO **Conspic Radar** NO
Historic NO **Existence Doubtful** NO
Non Sub Contact NO

Last Amended 04/04/2000
Position Last Amended
Position Last **Latitude** = **Longitude** =

Name
Type
Flag
Dimensions **Length** = **Beam** = **Draught** =
Tonnage
Cargo
Date Sunk

Sonar Dimensions **Length** = **Width** = **Shadow Height** =
Orientation

Magnetic Anomaly
Debris Field
Scour **Depth** = **Length** = **Orientation** =

Markers
General Comments

Circumstances of Loss

Surveying Details
 **H1383/67 ST IN 505032N, 005605W [OGB]. (SCES, SURVEY [K5272/1], 1967). NC 3418.
 **H4585/76 23.6.78 WK DELETED. (CHICHESTER H.C. NM 10/78). AMENDED TO DEAD. - NM
 BLOCK 1375/78.

POSITIONS BELOW THIS POINT ARE IN DEGREES, MINUTES AND DECIMALS OF A MINUTE

Latitude = 50 47'.000 N **Longitude** = 000 56'.000 W [OGB] **Square Number** = 136 **State** = DEAD
Wreck Number 20145 **Classification** = Unclassified
Symbol **Largest Scale Chart** = 3418
Charting Comments POSN FOR FILING ONLY

Old Number 013604648
Category Undefined

WGS84 Position **Latitude** = 50 47'.034 N **Longitude** = 000 56'.088 W
WGS84 Origin 3-D Cartesian Shift (BW)
Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method
Position Quality Unreliable
Position Accuracy
Area at Largest Scale No

Depth
Drying Height
Height
General Depth 10 metres
Vertical Datum Lowest astronomical tide
Depth Method
Depth Quality Depth unknown
Depth Accuracy
Conspic Visual NO **Conspic Radar** NO
Historic NO **Existence Doubtful** NO
Non Sub Contact NO

Last Amended 07/01/2000
Position Last Amended
Position Last **Latitude** = **Longitude** =

Name MOODY LADY
Type YACHT
Flag BRITISH
Dimensions **Length** = **Beam** = **Draught** =
Tonnage
Cargo
Date Sunk 07/04/1973

Sonar Dimensions **Length** = **Width** = **Shadow Height** =
Orientation

Magnetic Anomaly
Debris Field
Scour **Depth** = **Length** = **Orientation** =

Markers
General Comments

Circumstances of Loss
**STRANDED ON WEST POLE BANK ENTRANCE TO CHICHESTER HBR. (LLOYDS 212).

Surveying Details
**H4723/77 28.10.77 VISUAL SEARCH AT LW REVEALED NO EVIDENCE OF WRECK.
CHICHESTER HBR AUTHORITIES REPORT BROKEN UP AND DISPERSED. (HMS HYDRA, R-OF-S
225/58, 13.6.77). NCA. POSN FOR FILING ONLY.
**H2038/82 16.2.84 NOT FOUND. (SCESU, HI 111). AMENDED TO DEAD.

POSITIONS BELOW THIS POINT ARE IN DEGREES, MINUTES AND DECIMALS OF A MINUTE

Latitude = 50 48'.717 N **Longitude** = 000 56'.650 W [OGB] **Square Number** = 136 **State** = ABEY
Wreck Number 20155 **Classification** = Unclassified
Symbol WK 3.7 **Largest Scale Chart** = 3418
Charting Comments

Old Number 013604752
Category Dangerous wreck

WGS84 Position **Latitude** = 50 48'.751 N **Longitude** = 000 56'.738 W
WGS84 Origin 3-D Cartesian Shift (BW)
Horizontal Datum OGB ORDNANCE SURVEY OF GREAT BRITAIN (1936)

Position Method
Position Quality
Position Accuracy
Area at Largest Scale No

Depth 3.7 metres
Drying Height
Height
General Depth 5 metres
Vertical Datum Lowest astronomical tide
Depth Method
Depth Quality Least depth known
Depth Accuracy
Conspic Visual NO **Conspic Radar** NO
Historic NO **Existence Doubtful** NO
Non Sub Contact NO

Last Amended 19/01/2000
Position Last Amended 07/01/2000
Position Last **Latitude** = 50 48'.717 N **Longitude** = 000 56'.650 W

Name
Type AIRCRAFT (PROBABLY)
Flag
Dimensions **Length** = **Beam** = **Draught** =
Tonnage
Cargo
Date Sunk

Sonar Dimensions **Length** = **Width** = **Shadow Height** =
Orientation

Magnetic Anomaly
Debris Field
Scour **Depth** = **Length** = **Orientation** =

Markers
General Comments

Circumstances of Loss

Surveying Details

**H1483/54 31.3.55 DRIFT SWEEP WITH MOTOR BOAT 30.9.53 IN 504843N, 005639W. CLEAR AT 2FT, FOUL AT 3FT. GENERAL DEPTH 19FT, LEAST DEPTH BY E/S 3FT. SEABED MUD. PROBABLY AN AIRCRAFT. (SCES, R-OF-S 24.2.54). CHART AS WK 0FMS 2FT. BR STD.
**5.1.64 AMENDED TO WK AWASH [NEW DATUM]. NE 3418.
**5.3.68 DEPTH GIVEN AS 2FMS. (SCES, R-OF-S, HI 24/67). AMENDED TO WK 2FMS [3.7MTRS]. NE 3418.
**H2676/70 24.8.73 WK BUOY DELETED. (HBR MASTER CHICHESTER, 31.7.73). NC 3418.
**H2038/82 16.2.84 NOT FOUND. (SCESU, HI 111). AMENDED TO ABEY.

Appendix 3: Anomalies identified by HWTMA geophysical survey

(from Table 3, Satchell 2003)

Ranked anomalies with a score of 5 or above

No.	Description	Initial Interpretation	Initial score	Positional Information	Further interpretation	Final score
1.17	Dark lines and large patch	Sedimentary feature	5/10	50 48 6317 0 52 3628	No charted features	9/10
4.3	Two hard black lines	Pontoon? (at the end of moorings?)	6/10	50 49 3458 0 48 8690	No charted features – close to moorings	9/10
5.19	Odd shaped shadow	?	8/10	50 49 7578 0 51 7852	In moorings area, may be on edge of depression	9/10
5.30	Thick dark splotch and shadow	?	9/10	50 49 1421 0 52 2620	No charted feature	9/10
11.2	Curved dark line	Mooring	6/10	50 47 2523 0 56 15 84	feature	9/10
4.18	Dark splotches	Moorings?	5/10	50 48 2455 0 50 4680	target	8/10
5.20	Two small dark lines and shadows	?	8/10	50 49 7518 0 51 7662	Next to 5.19, investigate together	8/10
5.29	Unusual shape target	?	8/10	50 49 1804 0 52 2935	No charted feature	8/10
10.2 4	Row of dark marks with shadow	Poles/ posts	8/10	50 48 7630 0 54 1625	Near edge of channel, no charted features	8/10
1.10	Solid black line	Edge of sand	8/10	50 47 5118 0 54 9327	On N edge of Stockers Sands	7/10
4.19	Moorings?	Moorings	1/10	50 48 2701 0 51 2620	targets	7/10
5.23	Hard angled black line	?	8/10	50 49 5572 0 51 8357	Debris	7/10
10.9	Short dark line with shadow	?	7/10	50 48 2029 0 54 2829	No charted features	7/10
11.5	Curved line	Mooring	5/10	50 47 3089 0 56 1883	No charted features	7/10
1.2	Dark mark with shadows	?	6/10	50 47 863 0 54 0645	No charted features – post?	6/10
1.14	Dark lines with shadows	?	8/10	50 48 4929 0 53 2944	Small feature	6/10
5.28	Unusual black shape	?	?	50 49 2048 0 52 2095	No charted feature	6/10
5.36	Round shadows	?	7/10	50 48 6293 0 52 3608	?	6/10
8.15	Strong return and large shadows	Sediment mound?	5/10	50 47 55.24 0 56 23.18	Edge of geology	6/10
9.1	Two linear lines	?	5/10	50 50 5.99 0 56 29.79	Linear feature	6/10
9.4	Large shadow behind linear mark	Dip in sediment	5/10	50 50 2.76 0 56 31.42	Straight feature	6/10
11.3	Very straight structure	?	9/10	50 47 2713 0 56 16 61	No charted features	6/10
11.4	'y' shaped line	Chain	7/10	50 47 2882 0 56 17 73	Close to 11.3 – investigate together	6/10
1.9	Small ring shaped target	?	7/10	50 47 4979 0 54 7740	Close to mooring on Stockers Sands may correspond to depression in contour	5/10
1.12	Dark patch	Course ground	5/10	50 47 4348 0 54 7120	Possible shallowing bank	5/10
4.15	Semi-circular impression	?	8/10	50 48 4825 0 49 9829	No charted features – close to 4.14	5/10
5.31	Semi circular black line	Chain	7/10	50 49 1575 0 52 3218	No charted feature	5/10

Appendix 4: Interpretations of aerial photos (plotted on Fig 37)

Each possible site identified by aerial photography is identified by a lower case letter that corresponds with that plotted on the Modern period map (Fig 37). The source of the aerial photograph, the date it was taken and the National Grid Reference for the centre of the site is shown.

(a) = Roman temple outside AONB

(b) = Warblington Castle, centred on 472953 105570.

(c) = Shown on aerial photos (2000) as a series of ditches running north-south and east-west on Gutner Common and a number of rectangular features to the west of Gutner Common. The ditches (centred on 473525 101530) are likely to be drainage ditches, although these are not shown on the 1879 OS or the modern OS. The rectangular features (centred on 473415 101530) are likely to be the oyster beds shown on the 1879 OS. NMR 18705/28 2000

(d) = A group of linear features with other more irregular features, including one that is roughly circular. Centred on 473620 102800, these features are not shown on either the 1879 OS or the modern OS. Possibly drainage ditches or (perhaps less likely) structures associated with salt making. NMR 926/240 1976

(e) = A feature that seems to consist of a series of timbers in the sub-tidal mud running north-south from the rectangular premonitory just north of the site of Northney Holiday Village. The feature is centred on 473530 104105. Interpreted as a possible causeway or wharf of unknown date. Not shown on 1870 OS. The modern OS shows a 'Landing Stage' nearby, but this is shorter with a different orientation and seems unlikely to be the feature identified in the aerial photo. NMR 18705/26 2000

(f) = Wreck. The site consists of the main part of the ship deep in mud at 475060 100095, with spars and other timbers scattered to the southwest of this. NMR 18705/15 2000

(g) = Fowley Island (remains of oyster beds). NMR 18119/04 1998

(h) = Continuation of causeway running from Emsworth south down Emsworth channel. Shown on 1870 OS as 'Westwood's Road.' Runs from 474900 104930 to 474810 104870 then turns roughly south to 474650 104560. NMR

(i) = This is shown on 1st edition OS maps as a ribbon of gravel, marked 'Hard'. On modern OS, this line persists, but is not labelled. NMR 18705/05 2000

(j), (k) = These structures are shown on aerial photos (2000) as complexes of rectangular structures in the bay to the south of Prinsted, separated from the main part of Prinsted Channel by ribbon of gravel (i). (k) is the more extensive, the complex running northwest-southeast and consisting of a number of rectangular structures. It is centred on 476760 104900. (j) is less extensive, and seems to consist of two rectangular structures and a possible circular structure on the northwest edge of (i). (j) is centred on 476820 104630. Neither (j) nor (k) are featured on the 1st edition OS, but they could be oyster beds. NMR 18705/05 2000

(l) = Causeway/sea wall marked on 1879 OS 1:10,000 map. A (failed) attempt to exclude the sea from Thorney Channel. Marked as two closely parallel lines of 'Old Piles' on modern OS. NMR 18097/20 1998

(m) = Known currently as the Wadeway, only northern part is shown on modern OS; aerial photos (2000) show fragments of the southern part surviving. This southern part heads due south, then curves slightly to the east to meet the channel marked on the modern OS as 'New Cut'. It then twists southwest to meet the promontory on Hayling Island that lies immediately east of Langstone Bridge. NMR 18705/24 2000

(n) = A field boundary, seen on the 1st edition OS. Centred on 480790 104845. NMR 2120/1144 1982

(o) = Rectilinear cropmark, not shown on 1st edition OS. Near (p), and may be associated. Runs from 480770 104945 to 480800 104950. NMR 2120/1144 1982

(p) = Circular cropmark, not shown on 1st edition OS, *c* 20m in diameter. Near (o), the cropmark is centred on 480770 104915. The SMR records a Roman amphitheatre (Chi SMR 2367) near this spot. A Bronze Age cremation (Chi SMR 2353) and a medieval column capital (Chi SMR 2354) were also found nearby. A cluster of buildings and other remains associated with a postulated temple complex were found around Broadbridge Farm, which lies to the north. NMR 2120/1144 1982

(q) = Two east-west running cropmarks. These are likely to be field boundaries shown on the 1st edition OS. Centred on 482470 104640. NMR 2120/1149 1982

(r) = Linear cropmark running north-south. A field boundary or drain marked on the 1st edition OS. Centred on 482535 104020. NMR 2162/1015 1981

(s) = Shown on the modern OS as a 'path', this linear feature is shown on the 1st edition OS as delineating the south extent of the millpond at the top of Fishbourne Channel. Centred on 483590 104100. NMR 2120/1157 1982

(t) = Two linear cropmarks, running roughly east-west. Likely to be drains or small streams shown on the 1st edition OS. Centred on 483970 104500. NMR 2120/1159 1982

(u) = Two circular features to the northeast of Rymans in Apuldram. Centred on 484095 103310, they are likely to be modern. NMR 4475/32 1989

(v) = Linear cropmarks consisting of a central cropmark, running roughly northwest-southeast, with two shorter cropmarks branching off either side of this. Centred on 476820 098400. Not marked on the 1st edition OS. May be drains. NMR

(aa) = Cropmark on Thorney Island running along the same line as a track or path shown on the 1st edition OS map (Chi SMR 2001 series). Chi SMR air photo 2001

(bb) = Parchmarks on Thorney Island that seem to represent a collection of buildings – three circular buildings clustered around a smaller building, and one rectangular building. The group is located in the angle where two runways meet, and seem to line up with the runways. This would suggest these are modern buildings, now demolished, even though they do not feature on OS maps of any epoch. Chi SMR air photo 2001

(cc) = Cropmark near Bosham Hoe at 481900 101850 that is likely to be an old field boundary or path, now removed. Not featured on the 1st edition OS. Chi SMR air photo 2001

(dd) = Aerial photos (2001) seem to indicate that this field boundary has now been removed, but it features on both the 1st edition OS and the modern OS, so must have been removed fairly recently (ie within the last 40 years). Chi SMR air photo 2001

(ee) = Old field boundaries near Birdham, not shown on the 1st edition OS. Chi SMR air photo 2001

(ff) = Field boundary southwest of Bosham, shown on 1st edition OS and modern OS, so fairly recently removed. Chi SMR air photo 2001

(gg) = Modern buildings featured on the modern OS, but aerial photos (2001) suggests they have since been removed. Chi SMR air photo 2001

(hh) = Two probable old field boundaries near Fishbourne running roughly north-south. The western old field boundary features on the 1st edition OS, only the northern end of the eastern old field boundary features on the 1st edition OS. Chi SMR air photo 2001

(ii) = Old field boundaries shown on 1st edition OS, but outside study area. Chi SMR air photo 2001

(jj) = Possible cropmark? Not shown on 1st edition OS. Located in college playing field west of Fishbourne. Chi SMR air photo 2001

(kk) = Cropmark running roughly northeast-southwest on Shipton Green, west of Birdham. May be a field boundary, but doesn't feature on the 1st edition OS. Chi SMR air photo 2001

(ll) = Old field boundary near Itchenor Gate Farm, featured on the 1st edition OS. Chi SMR air photo 2001

(mm) = ?Faint circular cropmarks, south of Warblington (Hants; Run 44 (1971) photo 159 772). Uncertain. They occupy a single field and are centred on 472600 105340. Hants SMR air photo Run 44 159 772 1971

(nn) = ?Faint circular cropmarks, near Conigar Point (Hants; Run 38 (1984) photo 1284 180). Uncertain. They occupy a single field and are centred on 473270 105230. Hants SMR air photo Run 38 1284 180 1984

Appendix 5: Additional sources consulted

In addition to the sources detailed in the Bibliography, the following sources were also consulted:

The Saxton map of 1575

The Norden map of Hampshire of 1609

The Speed map of 1611

The Morden map of Hampshire of 1695

The Morden map of Chichester of 1695

The Kitchen map of 1750

The Bowen map of Chichester of 1756

The Yeakell and Gardner map dating to the 1780s

The Capper map of 1808

The Paterson and Fareham map of 1811

The Chichester map by Dugdale of 1840

Tithe map and Apportionment for Bosham of 1839

Tithe map and Apportionment for West Itchenor of 1839

Tithe map and Apportionment for New Fishbourne of 1840

Tithe map and Apportionment for Westbourne of 1840

Tithe Map and Apportionment for Warblington of 1841

Tithe map and Apportionment for South Hayling of 1844

Tithe map and Apportionment for North Hayling of 1845

Tithe map and Apportionment for Chidham of 1846

Tithe map and Apportionment for West Wittering of 1846

Tithe map and Apportionment for Appledram of 1847

Tithe map and Apportionment for Birdham of 1847

Plan of Thorney and Pilsea Islands 1834

Inclosure map Thorney c 1818 (PAR 196/20)

Inclosure map Prinsted and Nutbourne c 1823 (PAR 206/20/2)

Inclosure map Chidham c 1812 (QDD/6/W7)

Inclosure map Bosham c 1834 (Add Ms 5180(i))

Coastal map: Plan of Haven of Chichester 1750 (Add Ms 47645)

Coastal map: Coast of Sussex by R. Martin 1833 (PM 344)

Coastal map: Langstone and Chichester harbours from Admiralty Charts (PM 526)

Coastal map: Christchurch to Selsey (PM 244)

Ordnance Survey draft map sheet 2 (copy) of 1805

250 years of mapmaking (PM 249)

Ordnance Survey maps, both 1:2500 and 1:10,000

Old Sussex Mapped website, at

<http://www.envf.port.ac.uk/geo/research/historical/webmap/sussexmap/sussex.html>

Old Hampshire mapped website, at

<http://www.geog.port.ac.uk/webmap/hantsmap/hantsmap/hantsmap.htm>

Defence of Britain Project database, at <http://www.britarch.ac.uk/projects/dob/index.html>

CHC aerial photographs

Chichester SMR aerial photographs for AONB (2001)

Hants SMR aerial photographs for AONB (1971, 1984, 1991, 1995)

National Monuments Record specialist collection aerial photographs for AONB (118 photos dating from 1927 to 2001)

National Monuments Record Military Oblique aerial photographs for AONB (159 photos dating from 1940 to 1951)

Chichester District Council SMR search for AONB area

Hampshire SMR search for AONB area

Defence Estates SMR search for Thorney Island (a duplicate of Chi SMR for this area)

UKHO register of wrecks in the AONB area