Pollen analysis of peat deposits near Edlingham, Northumberland

David William Moyle

POLLEN ANALYSIS OF PEAT DEPOSITS NEAR EDLINGHAM, NORTHUMBERLAND

by

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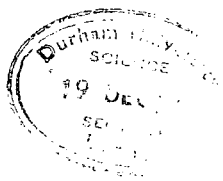
VOLUME 2



CONTENTS

FIGURES

PHOTOGRAPHS

Figure 1 : Location of Edlingham/Black Lough Study Sites

Author references to sites listed on figure 1 :

1. Din Moss; Hibbert and Switsur, 1976
2. Bamburgh; Bartley, 1966
3. Akeld Basin; Borek, 1975
4. Linton Loch; Mannion, 1978
5. Camp Hill; Davies and Turner, 1979
6. Trickley Wood; Turner, 1968
7. Broad Moss; Davies and Turner, 1979
8. Steng Moss; Davies and Turner, 1979
9. Coom Rigg; Chapman, 1964
10. Broadgate Fell; Blackburn, 1953
11. Muckle Moss; Pearson, 1960
12. Fell End; Davies and Turner, 1979
13. Scaleby Moss; Godwin, et al 1957
14. Cranberry Bog; Turner and Kershaw, 1973
15. Hallowell Moss; Donaldson and Turner, 1977
16. Stewart Shield Meadow; Roberts, Turner & Ward, 197
17. Cow Green; Turner, et al 1973
18. Valley Bog; Chambers, 1978
19. Hartlepool Bay; Tooley, 1978
20. Bishop Middleham; Bartley, et al 1976
21. Thorpe Bulmer; Bartley, et al 1976

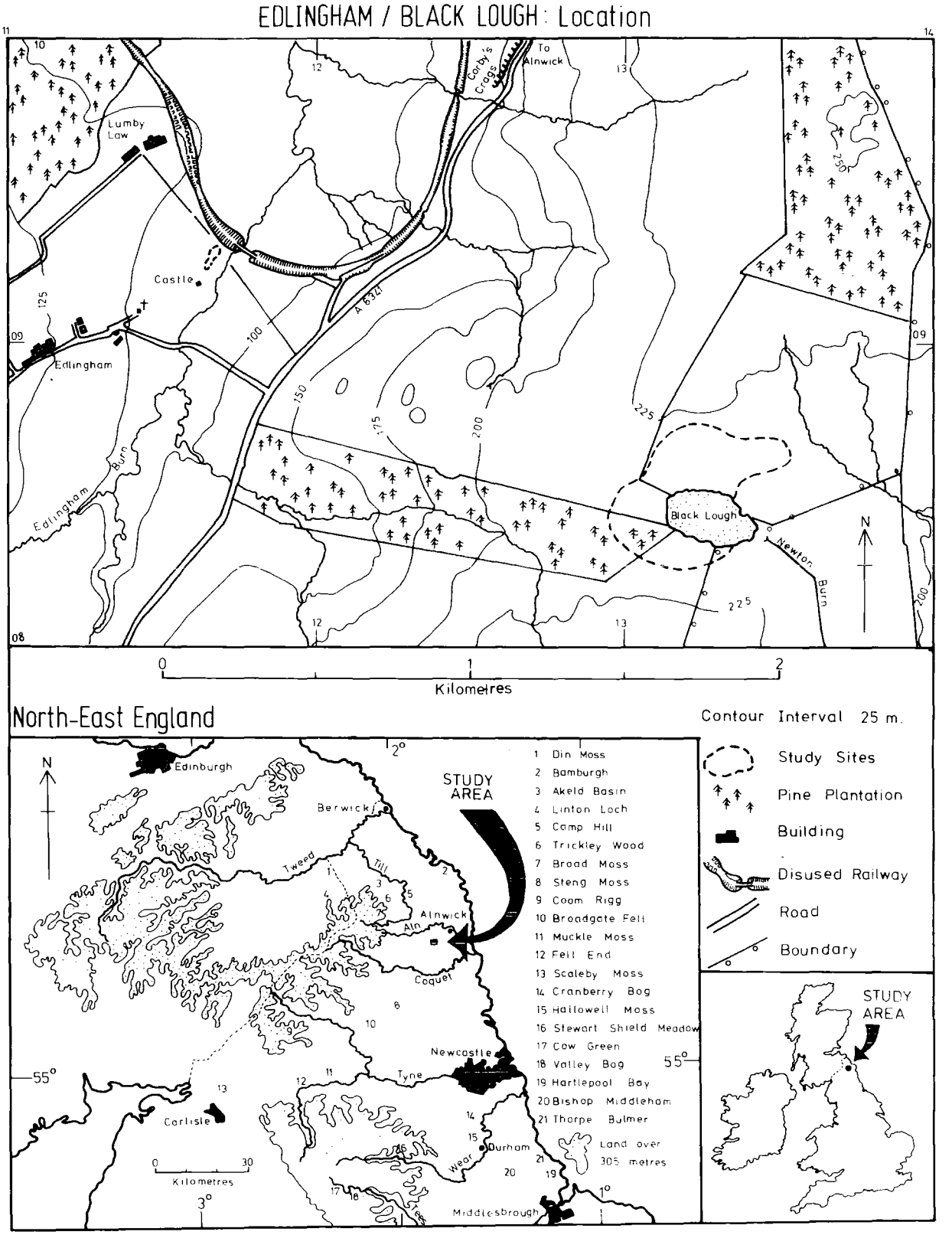

EDLINGHAM / BLACK LOUGH: Location
Lumby Law
Castle
Edlingham
Edlingham Burn
A 697
To Alnwick
Corby's Crags
Black Lough
Newton Burn
N
0
1
2
Kilometres
North-East England
Edinburgh
Berwick
Tweed
Till
Aln
Alnwick
Coquet
Newcastle
Tyne
Carlisle
Durham
Wear
Tees
Middlesbrough
STUDY AREA
55°
3°
2°
1°
0
30
Kilometres
1 Din Moss
2 Bamburgh
3 Akeld Basin
4 Linton Loch
5 Camp Hill
6 Trickley Wood
7 Broad Moss
8 Steng Moss
9 Coom Rigg
10 Broadgate Fell
11 Muckle Moss
12 Fell End
13 Scaleby Moss
14 Cranberry Bog
15 Hallowell Moss
16 Stewart Shield Meadow
17 Cow Green
18 Valley Bog
19 Hartlepool Bay
20 Bishop Middleham
21 Thorpe Bulmer
Land over 305 metres
Contour Interval 25 m.
Study Sites
Pine Plantation
Building
Disused Railway
Road
Boundary
STUDY AREA

Figure 2 : Edlingham Geology: Solid

EDLINGHAM GEOLOGY – SOLID

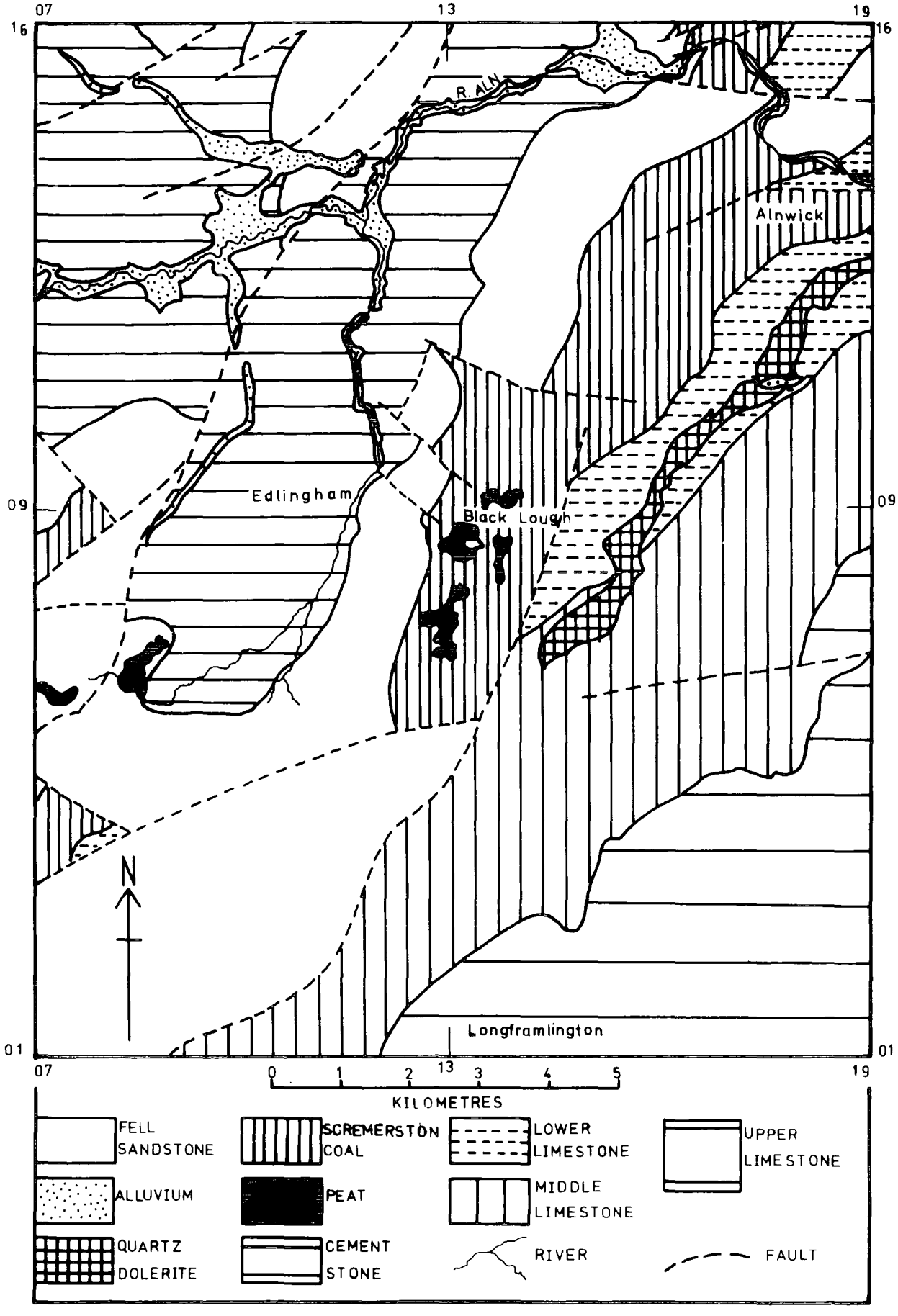


Figure 3 : Edlingham Geology: Drift

EDLINGHAM GEOLOGY — DRIFT

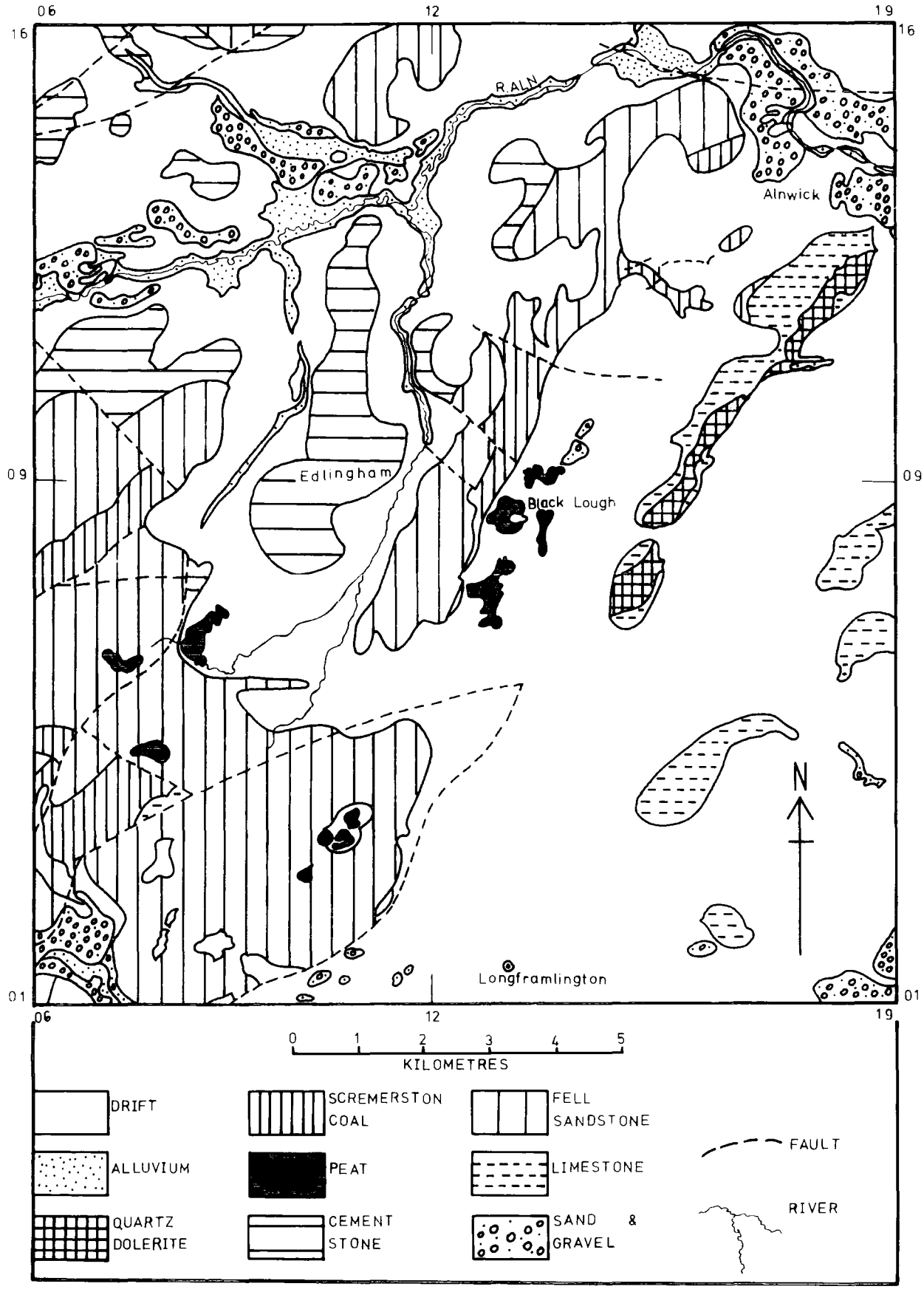


Figure 4 : Northumberland 1794
(copy of map from Bailey and Culley, 180

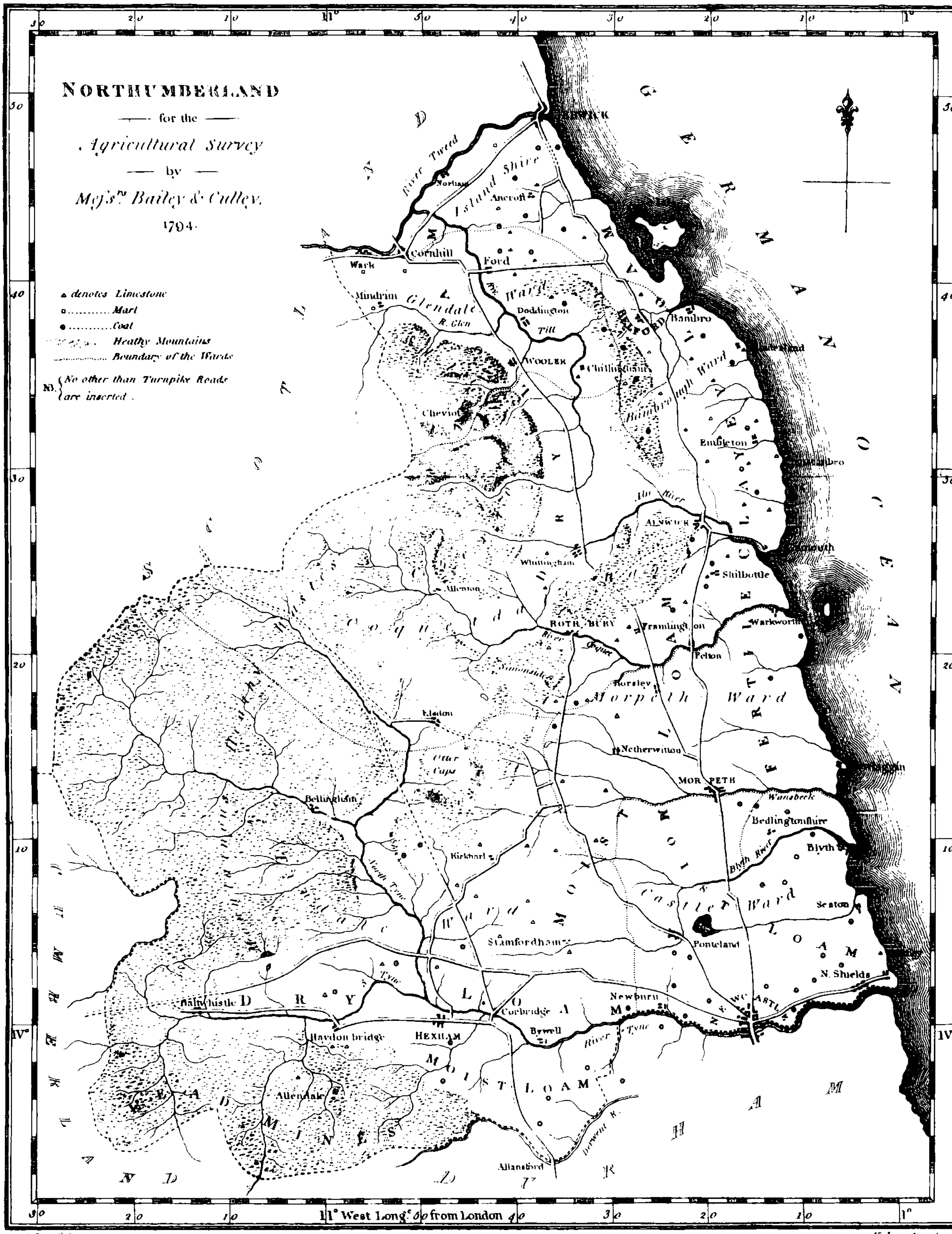

NORTHUMBERLAND
for the
Agricultural Survey
by
Meſs.rs Bailey & Culley.
1794.
▲ denotes Limestone
○ Marl
● Coal
Heathy Mountains
Boundary of the Waste
NB. No other than Turnpike Roads are inserted.
1° West Long. from London
GERMAN OCEAN
Berwick
Alnwick
Morpeth
Hexham
Rothbury
Wooler
Belford
Bambro
Cheviot
Bellingham
Newcastle
N. Shields
Blyth
Seaton
Ponteland
Corbridge
Haydon bridge
Haltwhistle
Allendale
Allansford
Warkworth
Felton
Shilbottle
Alnmouth
Embleton
Chillingham
Doddington
Ford
Cornhill
Wark
Norham
Ancroft
Glendale
Island Shire
Bambrough Ward
Morpeth Ward
Castle Ward
Coquetdale
Tindale
River Tweed
River Tyne
North Tyne
Blyth River
Wansbeck
Till
R. Glen
Aln River
River Coquet
Derwent R.
Mindrim
Whittingham
Alnwinton
Framlington
Horsley
Netherwitton
Elsdon
Otter Caps
Kirkharl
Stamfordham
Newburn
Bywell
Bedlingtonshire
Simonside
Bailey delin.
Neele sc. Strand

Figure 5 : Edlingham Region: Pre Iron Age Sites

EDLINGHAM REGION: Pre Iron-Age Sites

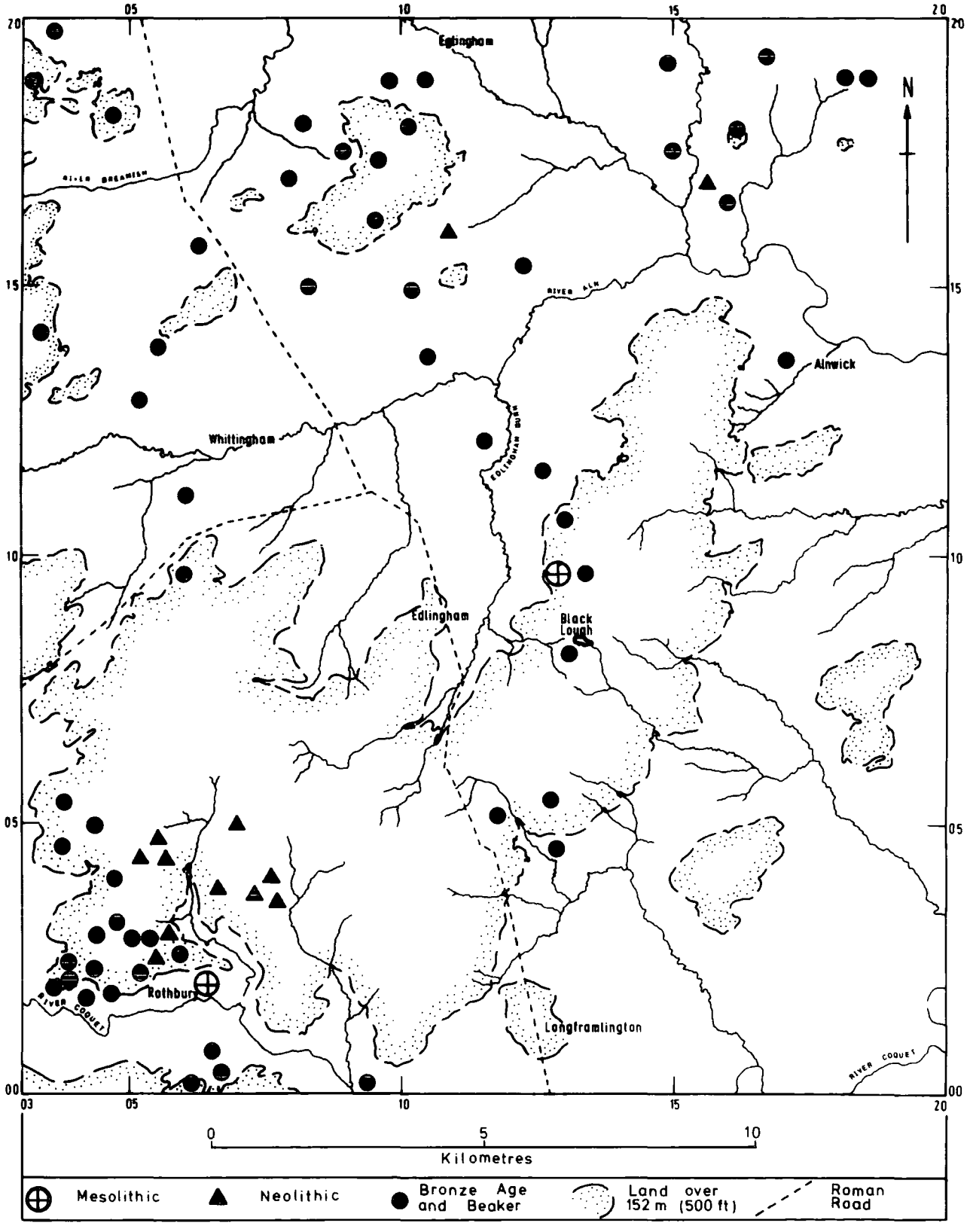


Figure 6 : Edlingham Region:
Iron Age and Romano-British Sites

EDLINGHAM REGION: Iron-Age and Romano-British Sites

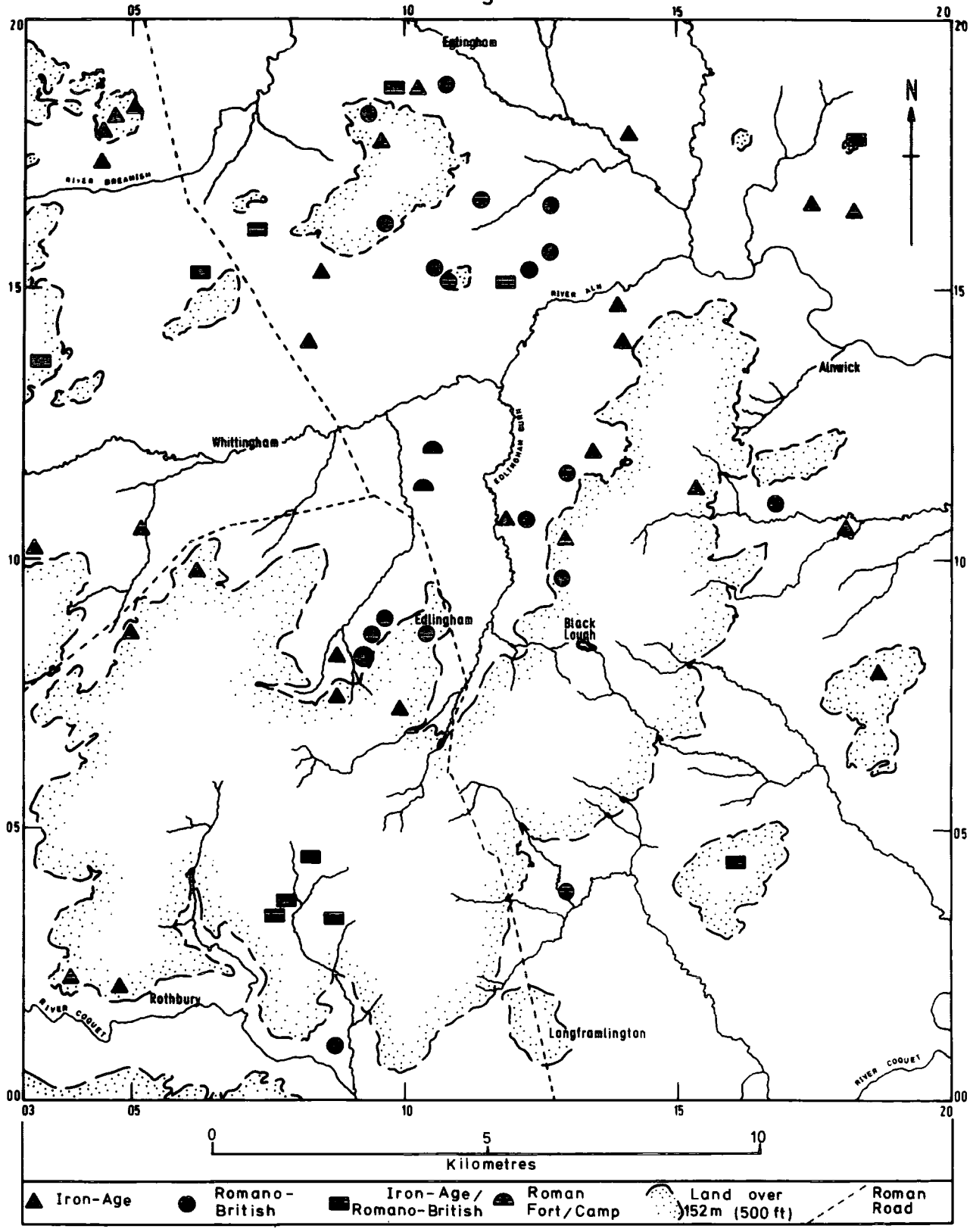


Figure 7 : Edlingham Region: Post Roman Sites

EDLINGHAM REGION: Post Roman Sites

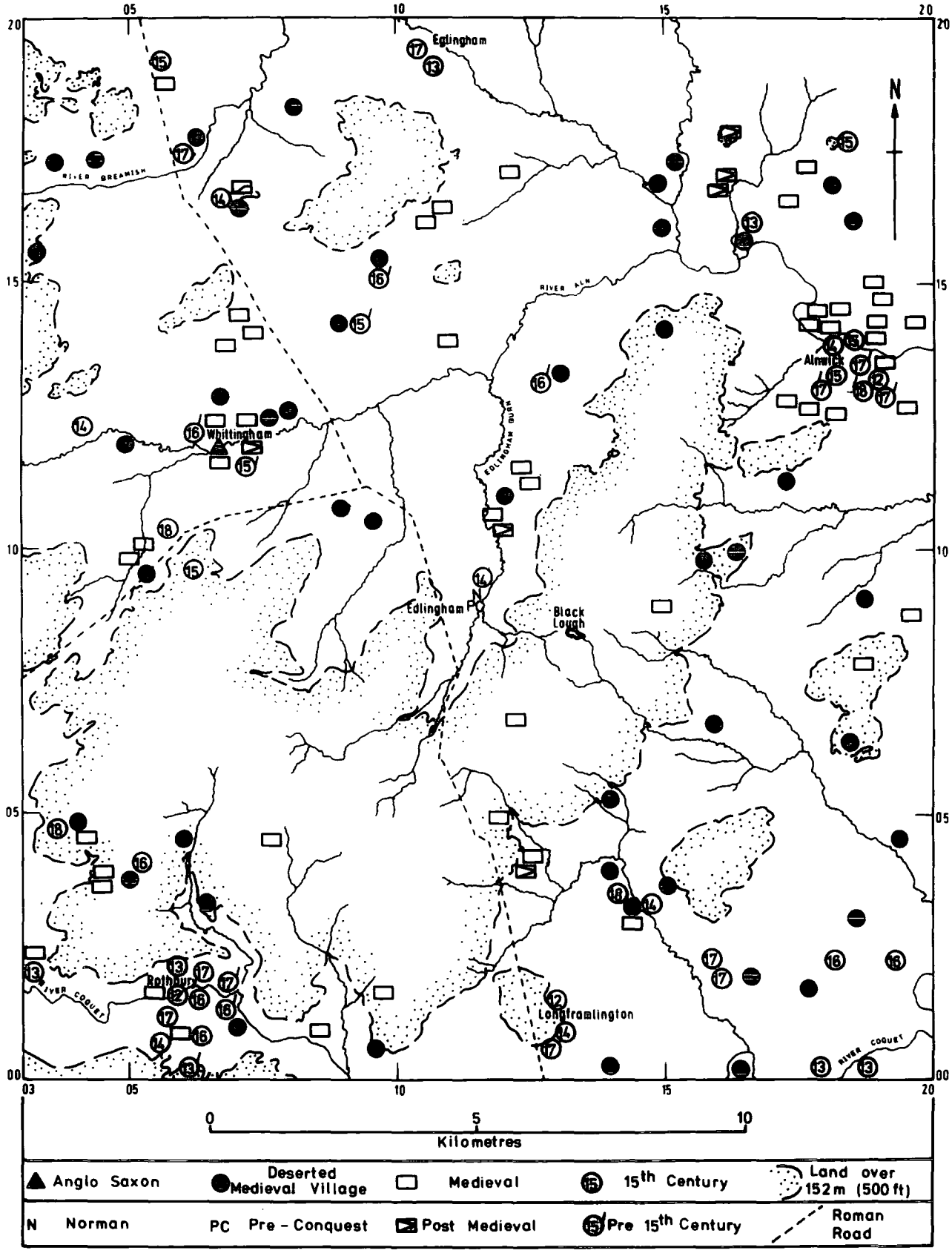


Figure 8 : Elm Decline: Radiocarbon Dates From Sites in North East England

ELM DECLINE

Site [1.]	Radiocarbon Date
Din Moss (Hibbert and Switsur, 1976)	5390 ± 70 b.p.
Neasham Fen (Bartley, et al 1976)	5468 ± 80 b.p.
Mordon Carr (Bartley, et al 1976)	5305 ± 55 b.p.
Bishop Middleham (Bartley, et al 1976)	10 cm. below 5180 ± 110 b.p.
Valley Bog (Chambers, 1978)	4794 ± 55 b.p.
Hallowell Moss (Donaldson and Turner, 1977)	below 4938 ± 60 b.p.

1. Site locations shown in figure 1

Figure 9 : Edlingham Site Details

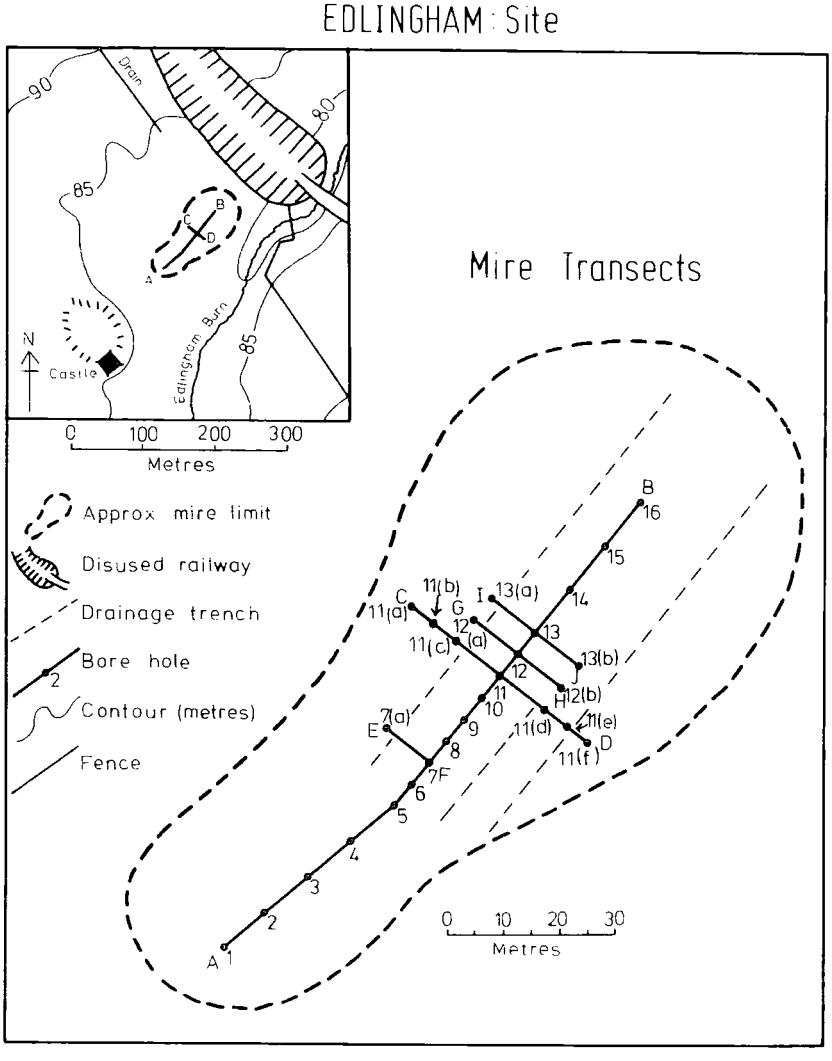

EDLINGHAM : Site
Mire Transects
Drain
90
80
85
A
B
C
D
N
Castle
Edlingham Burn
85
0 100 200 300
Metres
Approx mire limit
Disused railway
Drainage trench
Bore hole
Contour (metres)
Fence
0 10 20 30
Metres

Figure 10(a) : A key to the groups of symbols used in the stratigraphic diagrams according to Troels-Smith (1955). The encircled superscript numbers indicate degrees of humification of the element on a scale of 0-4, ranging from completely unhumified sediment (0) to completely humified (4). The numbers following the element indicate the proportion of the total sediment (in quarters) which the particular element comprises. Increasing humification level is indicated diagramatically by an increasing line thickness The proportion of an element in the sediment is indicated by the density of lines or symbols on the diagram.

Sh④4 Substantia humosa
(Undifferentiated organic material)

Th⑩4 Turfa herbacea
(Roots of herbaceous plants)

Th⑩4 (vagi) Turfa herbacea
(Comprising Eriophorum vaginatum)

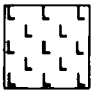
Tb⑩3 Turfa bryophytica
(Moss peat)

Tl⑩4 Turfa lignosa
(Roots of woody plants)

Dl2 Detritus lignosus
(Wood and turf fragments)

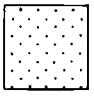
Dh2 Detritus herbosus
(Stems and leaves of herbaceous plants)

Dg2 Detritus granosus
(Small fragments of wood, bark and herbaceous parts of plants)



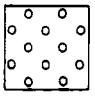
As2 Argilla steatodes
(Clay)

Ag2 Argilla granosa
(Silt)

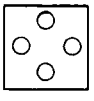


Ga2 Grana arenosa
(Sand)

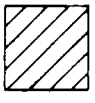
Ld④1 Limus humosus
(Fine detritus mud)



Gg2(min) Grana glareosa (minora)
(Fine gravel)



Gg3(maj) Grana glareosa (majora)
(Medium gravel)



Str. Conf. Stratum confusum
(Disturbed stratum)

Boundary area

———	lim. 4	< 0·5 mm.
———	lim. 3	< 1 mm and > 0·5 mm.
———	lim. 2	< 2 mm and > 1 mm.
- - - - - -	lim. 1	> 1 cm and > 2 mm.
	lim. 0	> 1 cm.

Figure 10 : Edlingham Stratigraphy: Transect A-B

EDLINGHAM STRATIGRAPHY Transect A - B

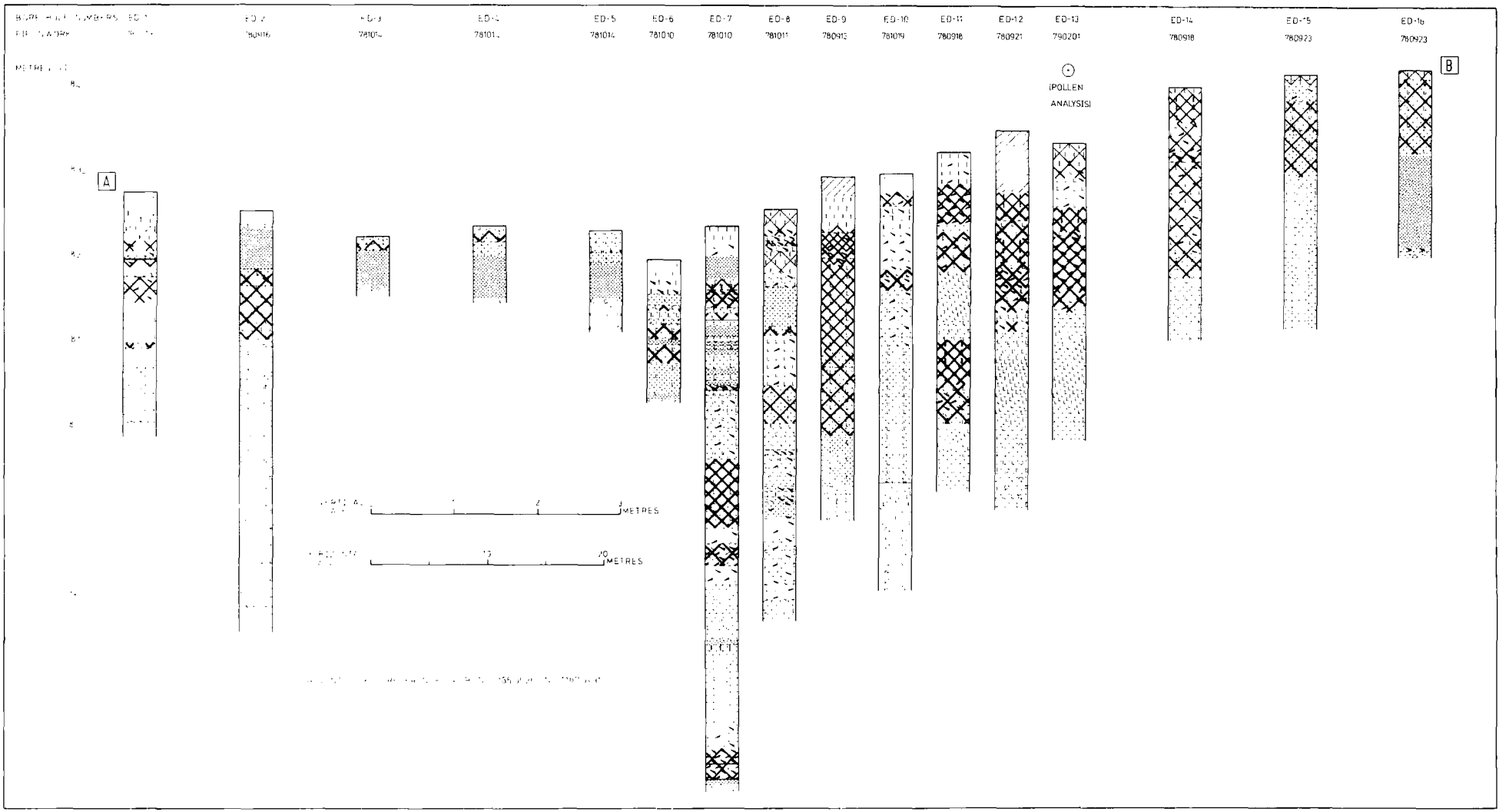


Figure 11 : Edlingham Stratigraphy: Transects C-D, E-F, G-H, I-J

EDLINGHAM STRATIGRAPHY Transects C-D, E-F, G-H, I-J

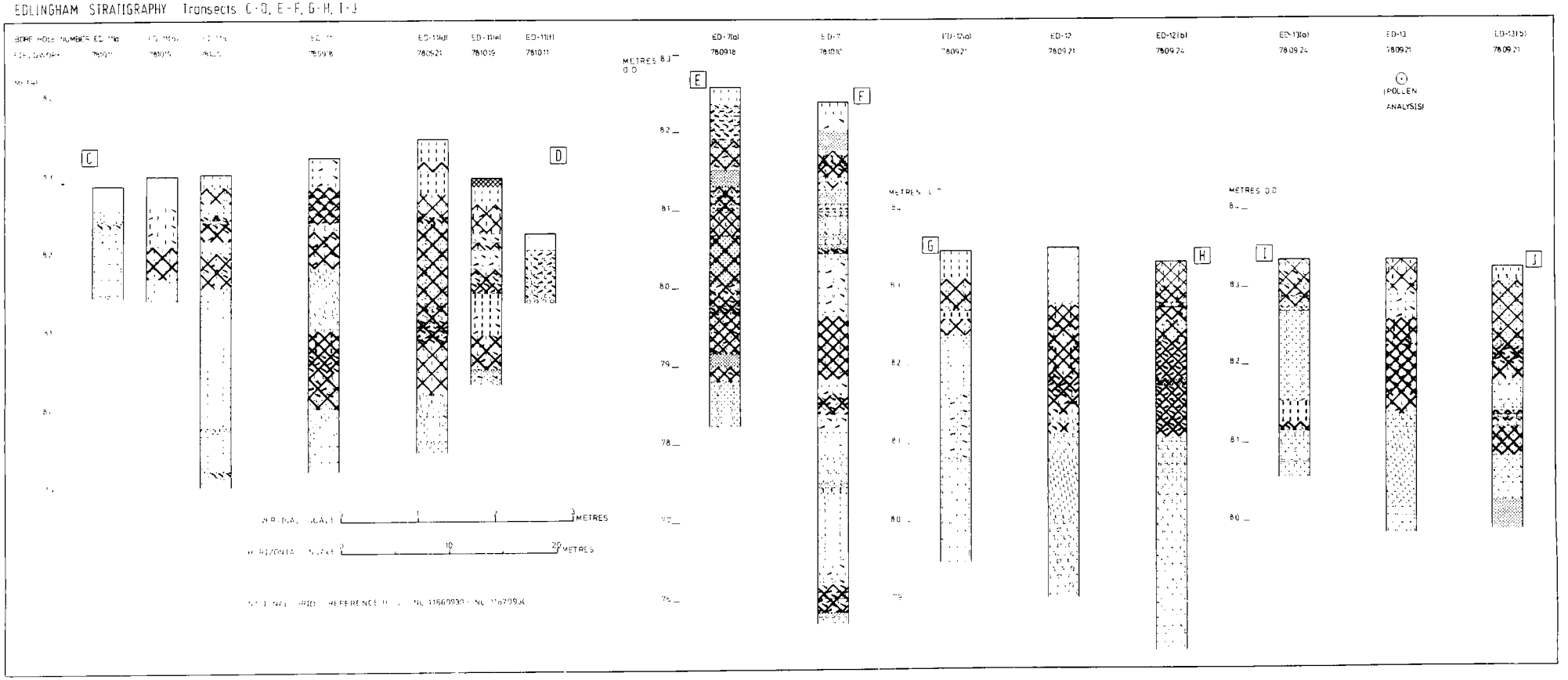
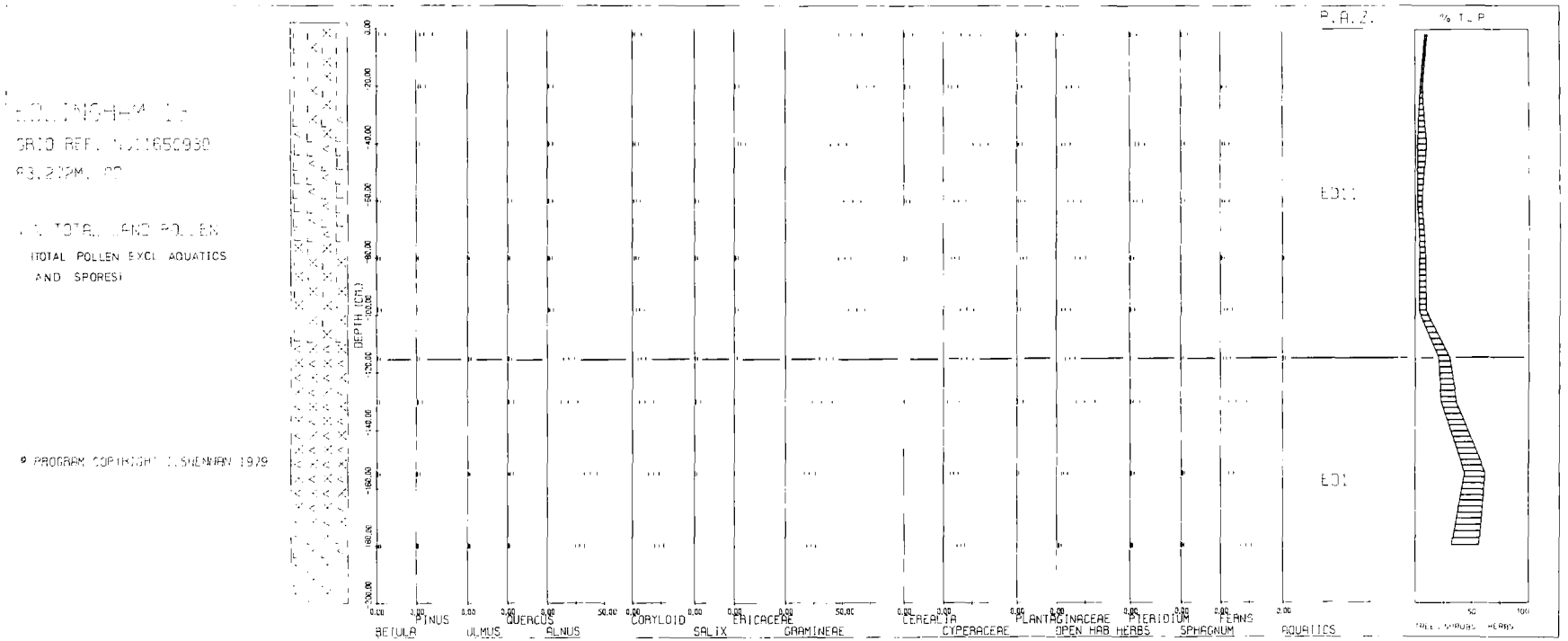


Figure 12 : Edlingham 13: Pollen Concentration

Figure 13 : Edlingham 13: % Total Land Pollen (total pollen excluding aquatics and spores)



TOTAL POLLEN

(TOTAL POLLEN EXCL AQUATICS AND SPORES)

Figure 14 : Black Lough: Site

BLACK LOUGH: Site

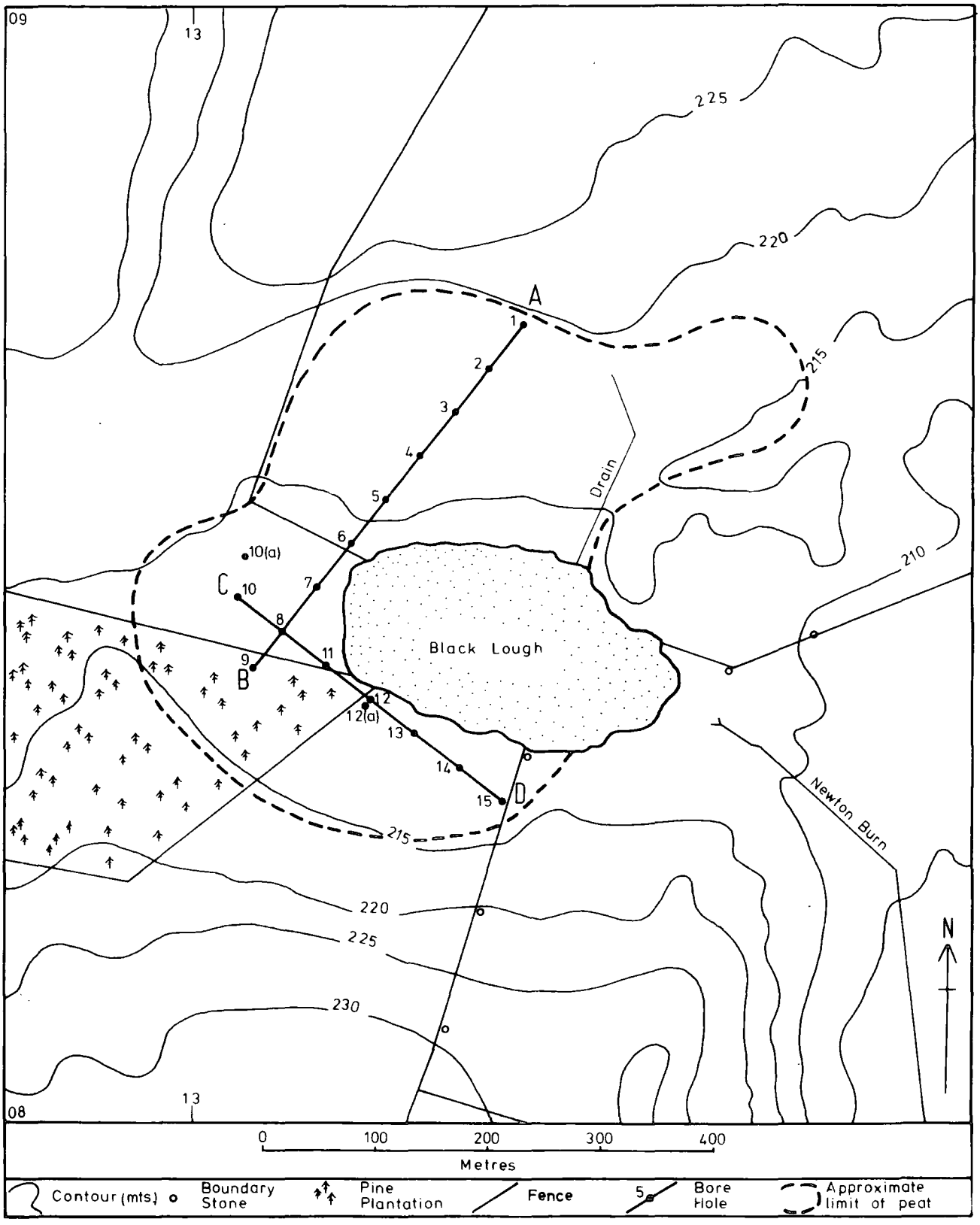


Figure 15 : Black Lough Stratigraphy: Transect A-B

BLACK LOUGH STRATIGRAPHY : Transect A - B

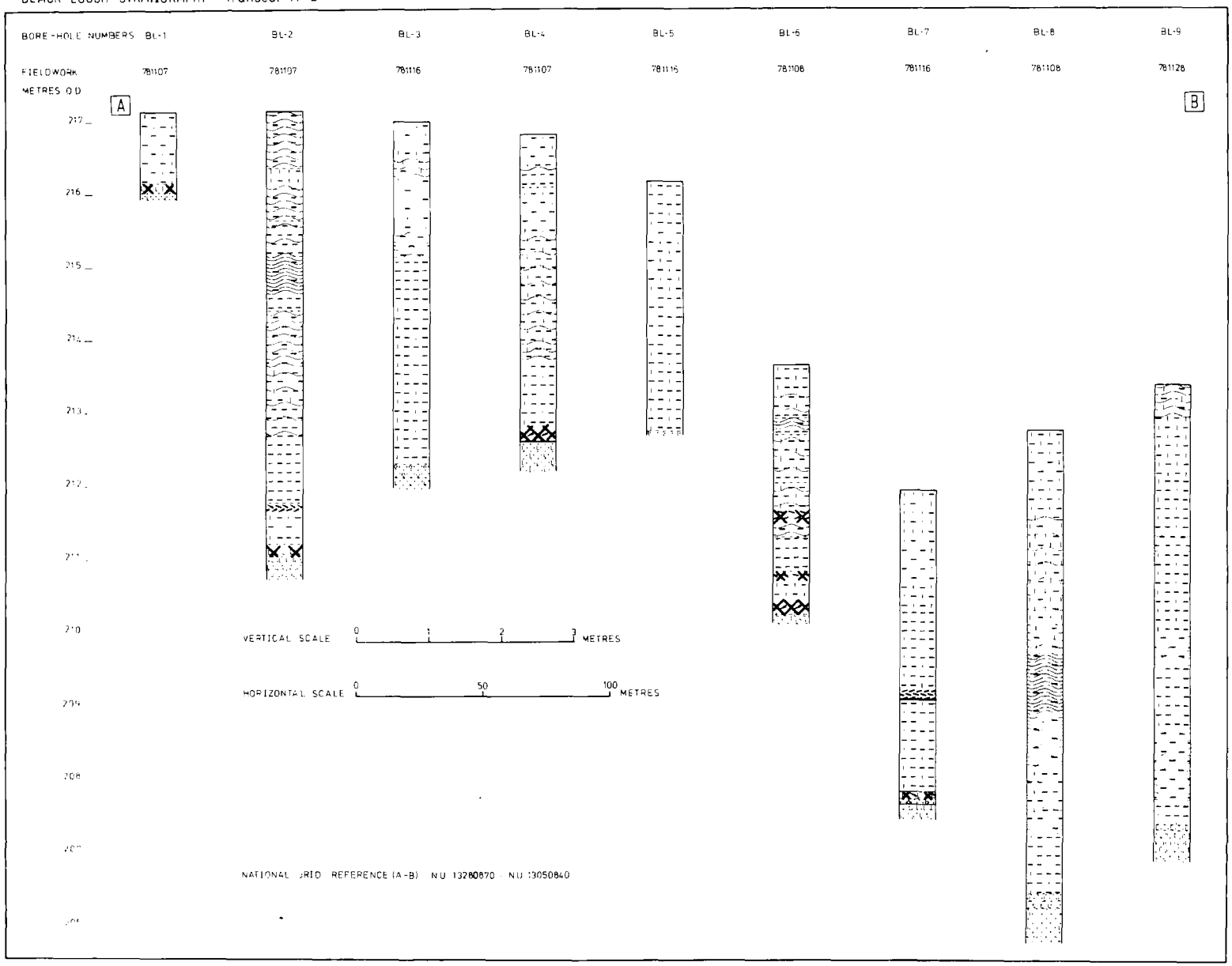


Figure 16 : Black Lough Stratigraphy: Transect C-D

BLACK LOUGH STRATIGRAPHY Transect C - D

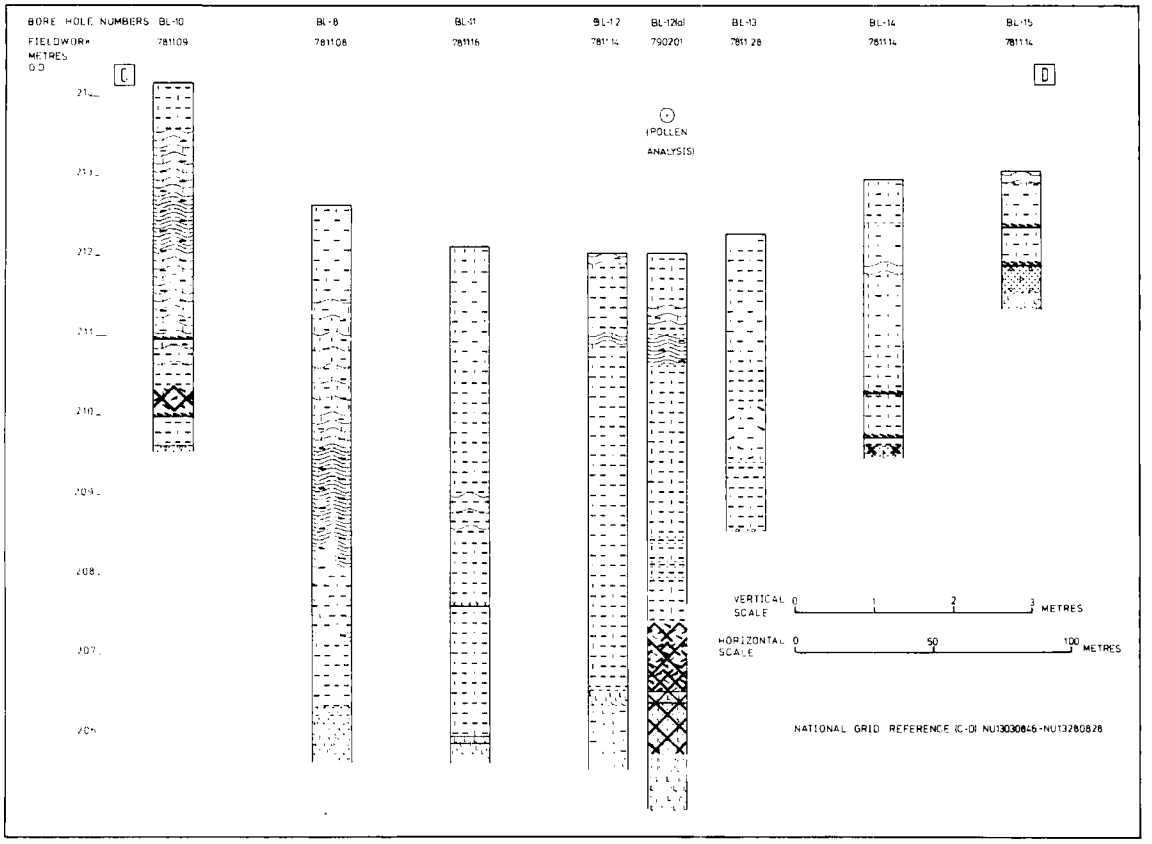


Figure 17 : Black Lough 12(a): % Total Land Pollen, 300-700 cm.

Figure 18 : Black Lough 12(a): % Total Land Pollen, 150-300 cm.

TOTAL POLLEN EXCL AQUATICS
AND SPORES
DEPTH (cm)
300.00
285.00
270.00
255.00
240.00
225.00
210.00
195.00
180.00
165.00
150.00
% TLP
%TLPexclERICOID

Figure 19 : Black Lough 12(a): % Total Land Pollen, 0-150 cm.

(TOTAL POLLEN EXCL AQUATICS AND SPORES)

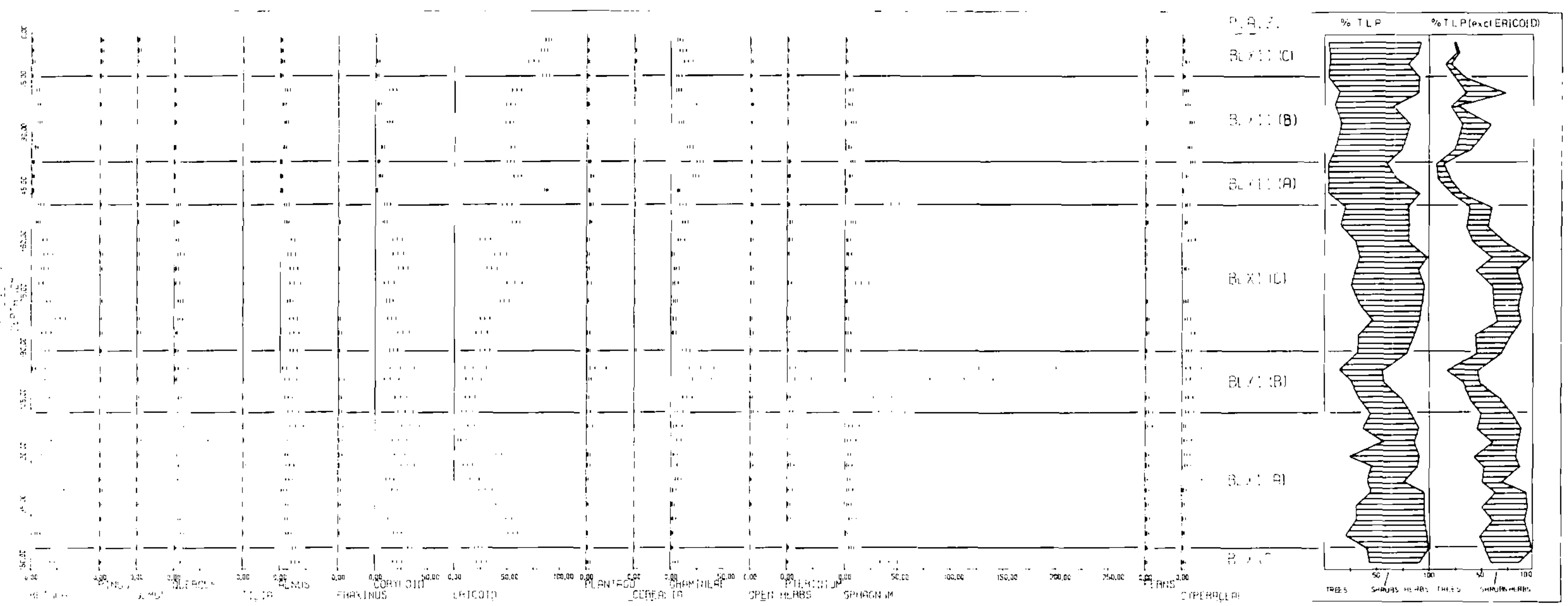


Figure 20 : Black Lough 12(a): Pollen Concentration, 300-700 cm.

BLACK LOUGH 12(A)

GRID REF. NU13200835

212.20M. OD

o POLLEN CONCENTRATION
(GRAINS / $CM^3 \times 10^3$)

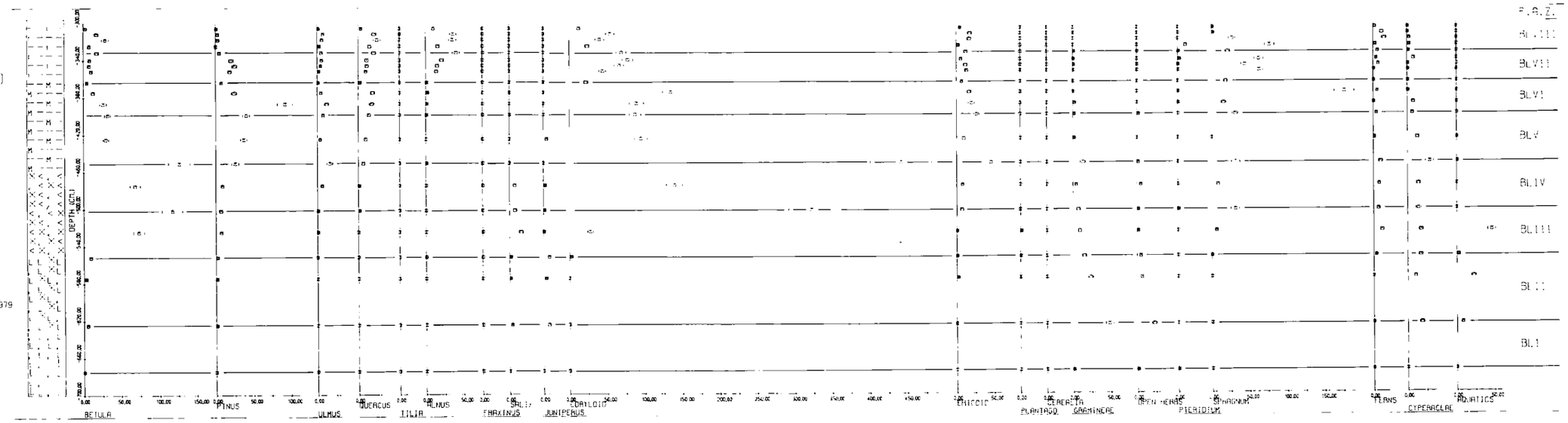


Figure 21 : Black Lough 12(a): Pollen Concentration, 150-300 cm.

Figure 22 : Black Lough 12(a): Pollen Concentration, 0-150 cm.

Figure 23 : Black Lough: Minerogenic/Biogenic Transition

BLACK LOUGH : Minerogenic - Biogenic Transition

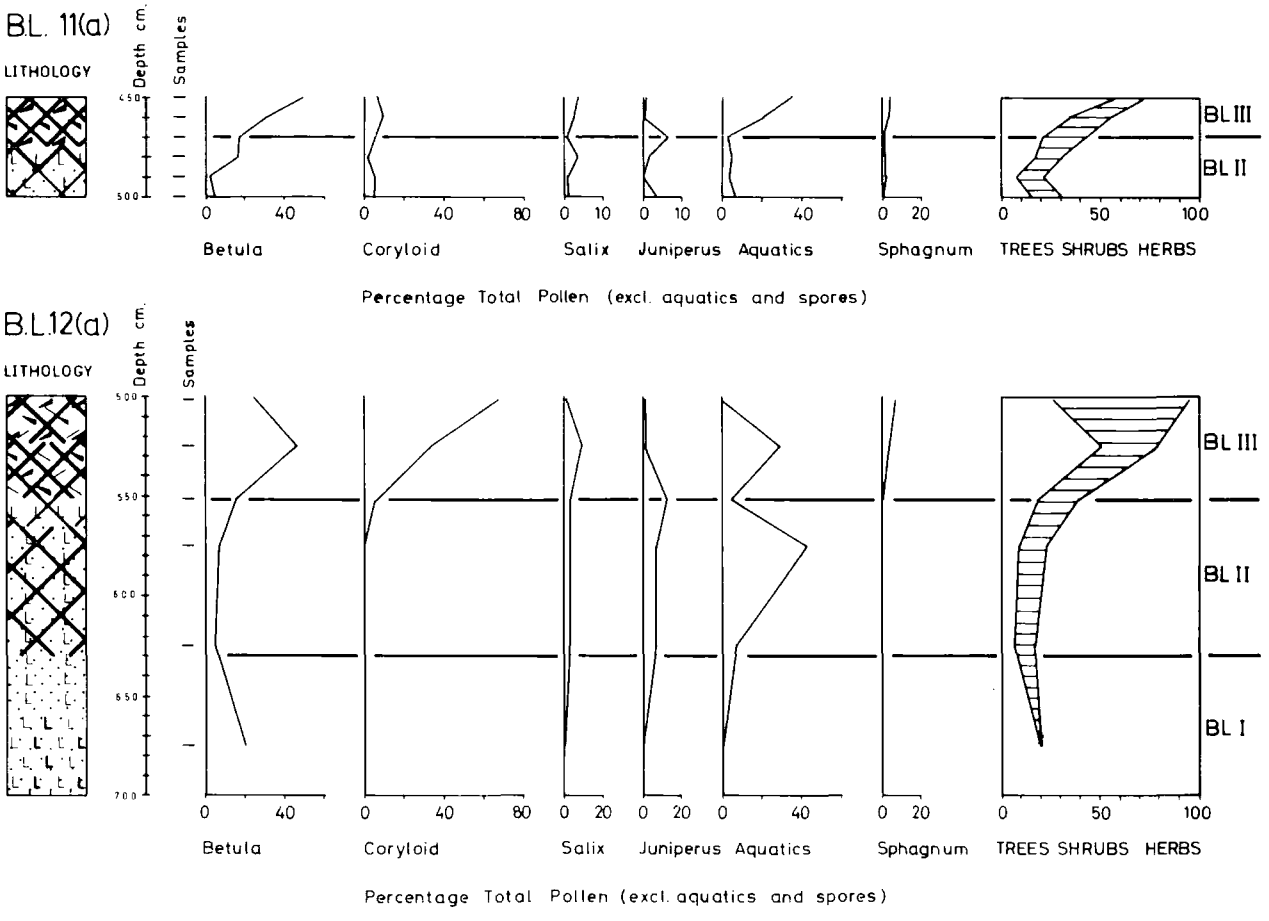
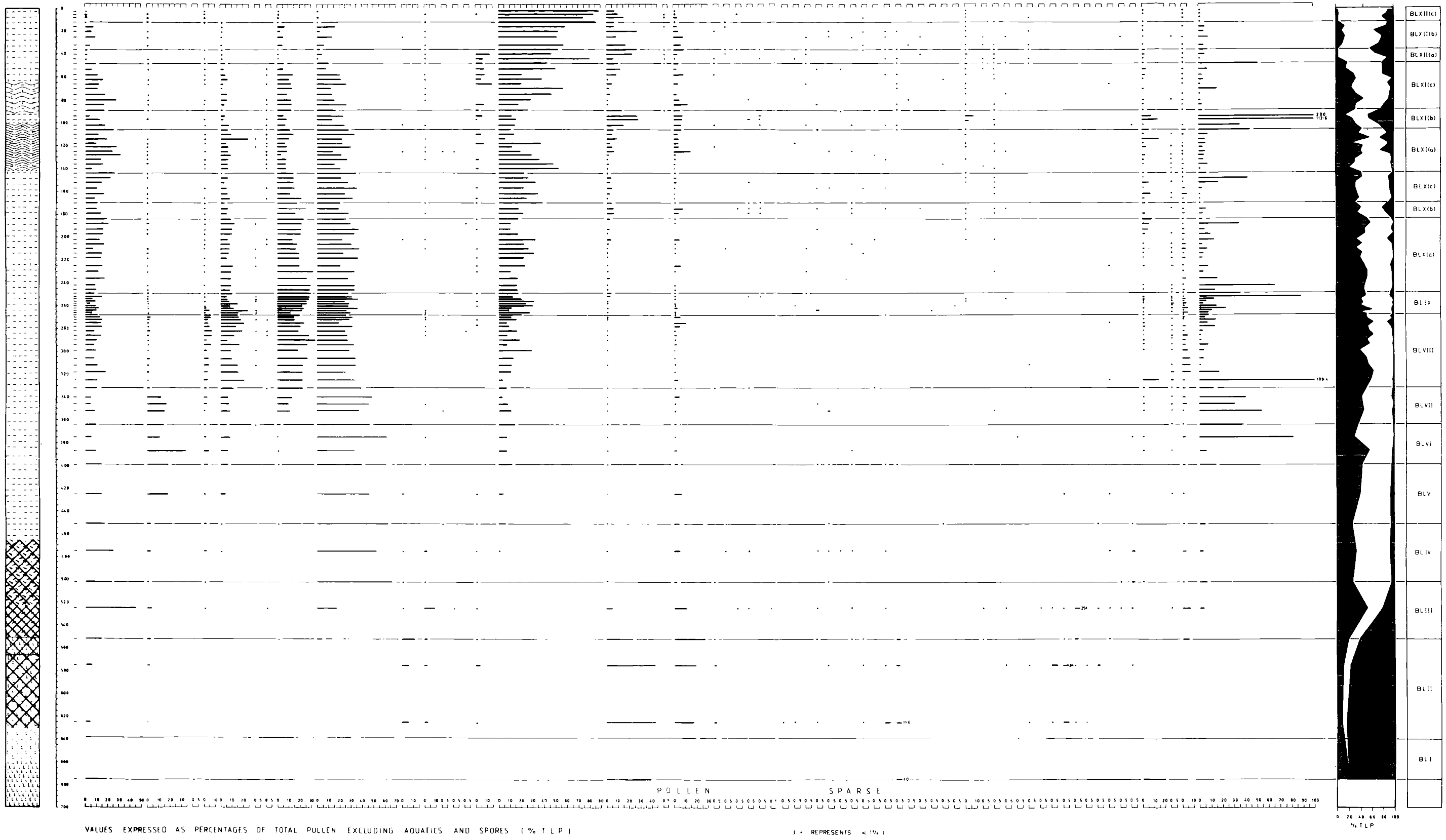


Figure 24 : Black Lough Summary Pollen Diagram

BLACK LOUGH 12(a) : SUMMARY POLLEN DIAGRAM



VALUES EXPRESSED AS PERCENTAGES OF TOTAL POLLEN EXCLUDING AQUATICS AND SPORES (% T L P)

(+ REPRESENTS < 1%)

Figure 25 : Black Lough 12(a): Flandrian I/II Transition

BLACK LOUGH 12(a) : FLANDRIAN I/II TRANSITION (364 - 318 cm.)

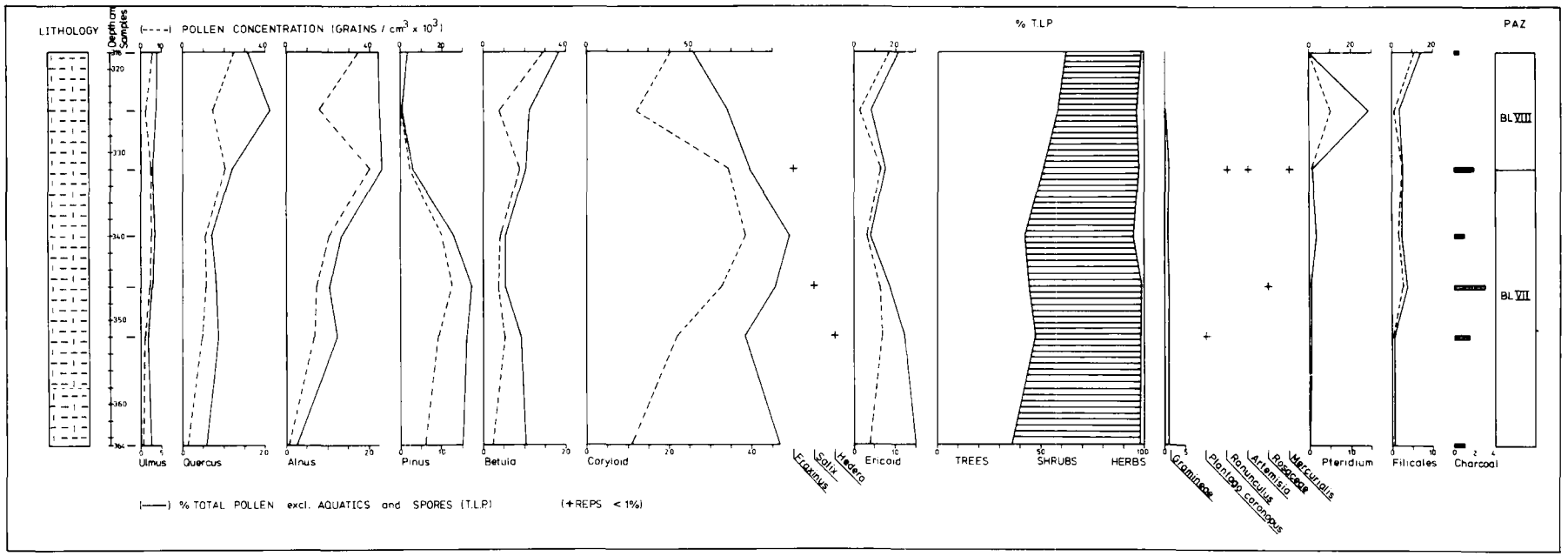


Figure 26 : Black Lough 12(a): Flandrian II/III Transition

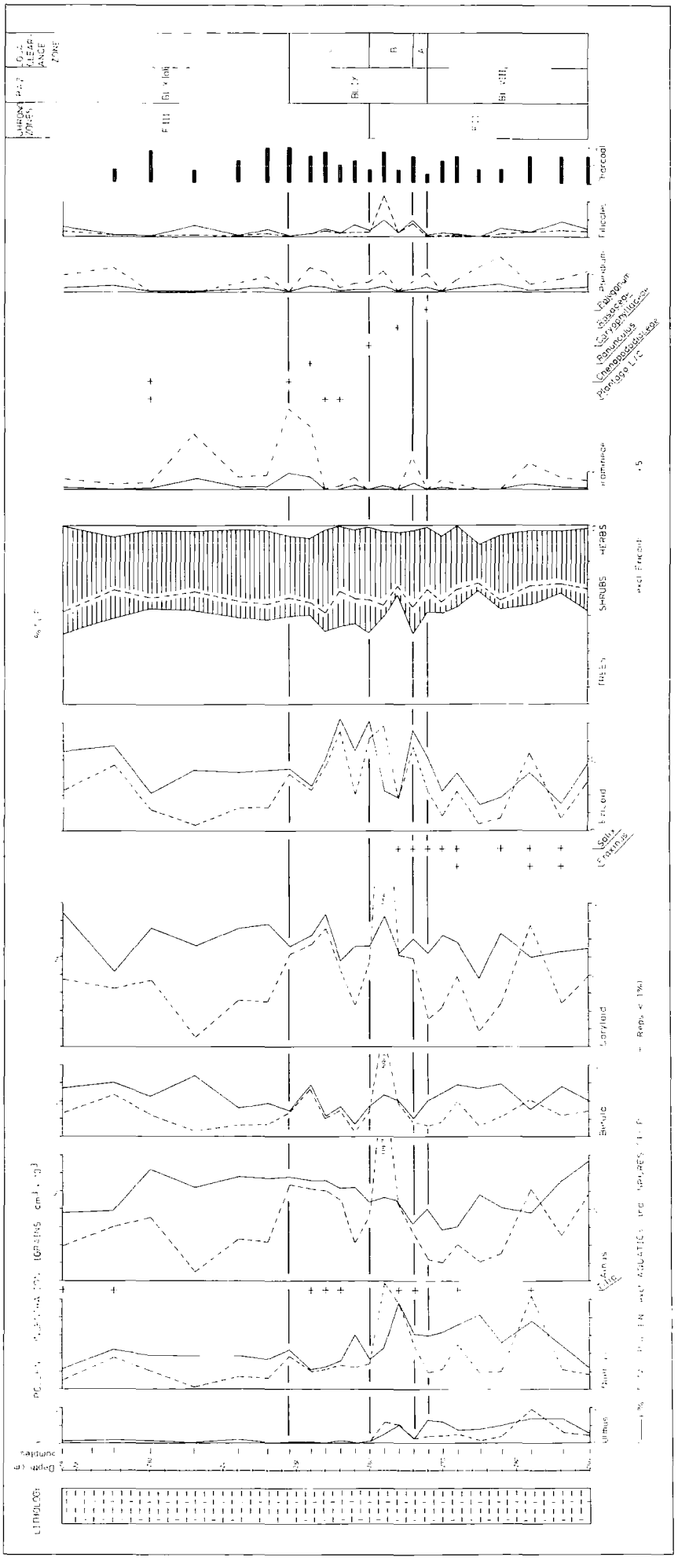

BLACK LOUGH 12 (a) FLANDRIAN II/III TRANSITION
LITHOLOGY
Depth (cm)
Sediment
Ulmus
Quercus
Corylus
Betula
Pinus
Poaceae
Cyperaceae
Salix
Filipendula
Plantago Lanceolata
Rumex
Chenopodiaceae
Ranunculus
Calluna
Gramineae
Pteridium
Filicales
Charcoal
SHRUBS
HERBS
Salix
Betula
Corylus
Quercus
Ulmus
Pinus
Poaceae
Cyperaceae
Filipendula
Plantago Lanceolata
Rumex
Chenopodiaceae
Ranunculus
Calluna
Gramineae
Pteridium
Filicales
Charcoal
Sediment
Depth (cm)
LITHOLOGY

Figure 27 : Black Lough 12(a): 166-188 cm.

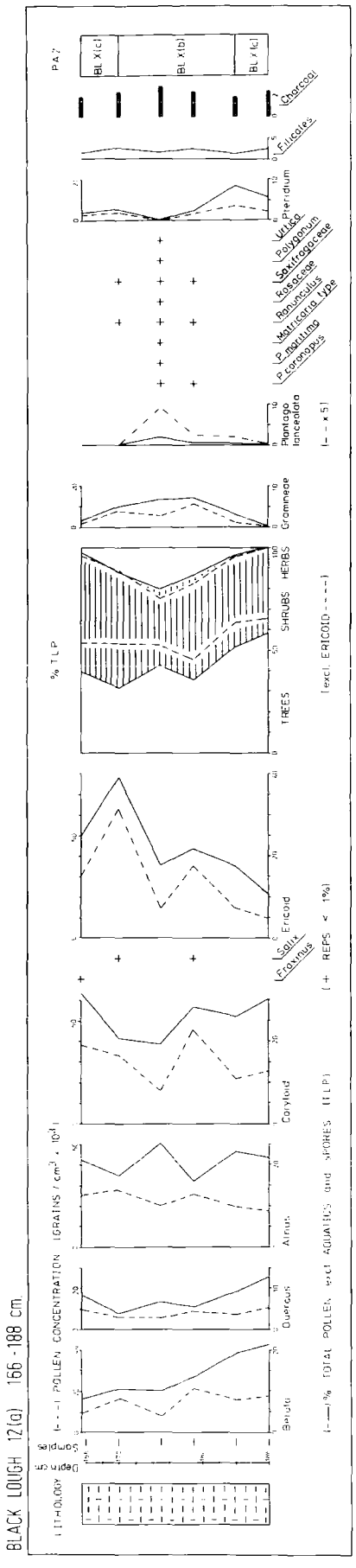

BLACK LOUGH 12(g) 166-188 cm
LITHOLOGY
Depth (cm)
Samples
POLLEN CONCENTRATION (GRAINS / cm³ x 10⁴)
Betula
Quercus
Alnus
Corylus
Ericoid
Salix
Fraxinus
% TLP
TREES
SHRUBS
HERBS
Gramineae
Plantago lanceolata
P. coronopus
P. maritima
Matricaria type
Ranunculus
Rosaceae
Saxifragaceae
Polygonum
Urtica
Pteridium
Filicales
Charcoal
PAZ
BL XI c
BL XI b
BL XI a
(excl. ERICOID - - - -)
(+ REPS < 1%)
(— — x 5)
(— — % TOTAL POLLEN excl AQUATICS and SPORES (TLP)

Figure 28 : Black Lough 12(a): 80-110 cm.

BLACK LOUGH 12(a) 80 - 110 cm

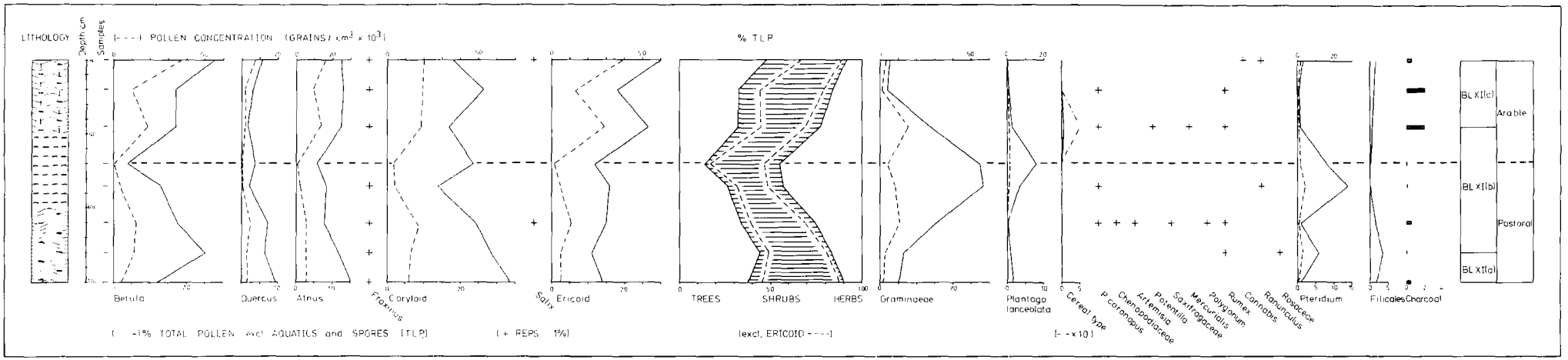


Figure 29 : Black Lough 12(a): 25-53 cm.

BLACK LOUGH 12 (a) 25 - 53 cm

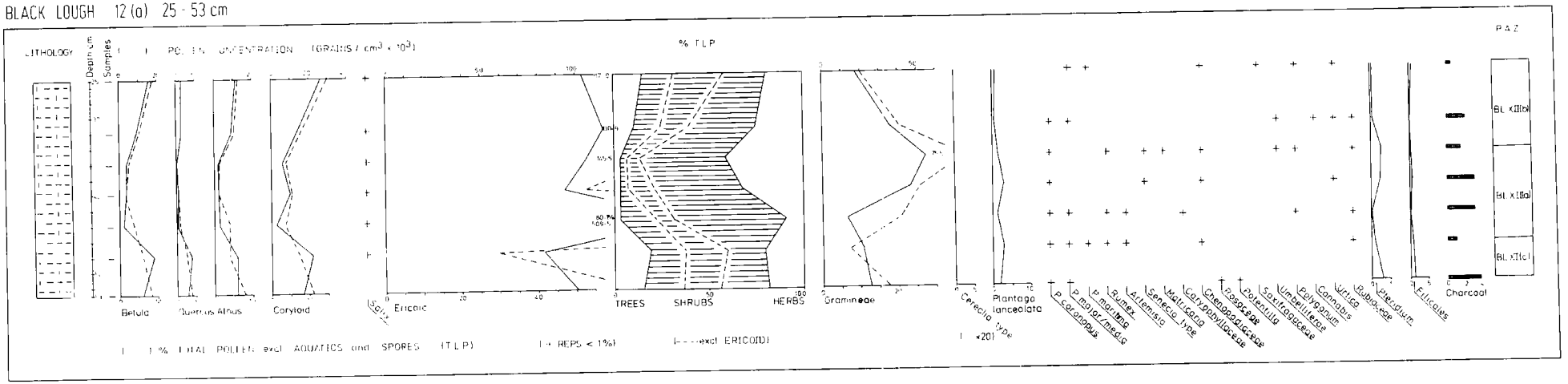


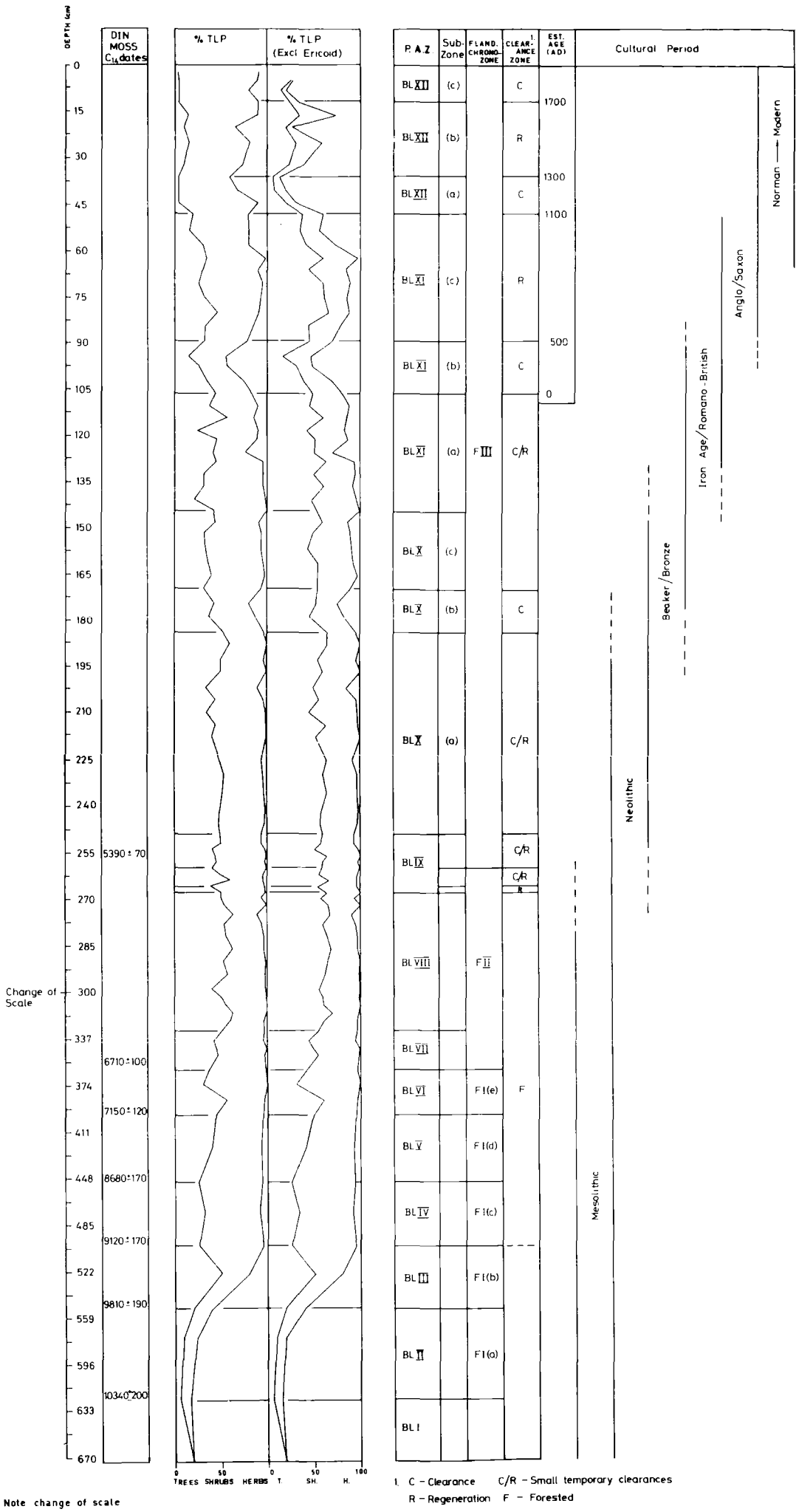
Figure 30 : *Pinus*/*Corylus* Relationship at the Flandrian Transition for Sites in North-east England

PINUS/CORYLUS RELATIONSHIP

Site [1]	Corylus peak at Alder rise	Relationship to Pinus curve	Zone of Corylus rise
Din Moss (Hibbert & Switsur 1976)	no peak, but decline from high values.	Pinus low throughout.	late FI
Linton Loch (Mannion 1978)	slight	Pinus low throughout.	FI/II
Muckle Moss (Pearson 1960)	distinct peak	close relationship to sharp decline of Pinus.	late FI
Coom Rigg (Chapman 1964)	distinct peak	close relationship to sharp decline of Pinus.	FI/II (mainly early FII)
Valley Bog (Chambers 1978)	no peak, but decline from high values.	Pinus remains high.	late FI
Thorpe Bulmer (Bartley et al 1976)	no peak, but decline from high values.	Pinus low throughout.	late FI
Bishop Middleham (Bartley et al 1976)	distinct peak	close relationship to decline of Pinus.	early FII
Red Sike Moss (Turner et al 1973)	slight peak	close relationship to decline of Pinus.	late FI

1. Site locations are shown in figure 1.

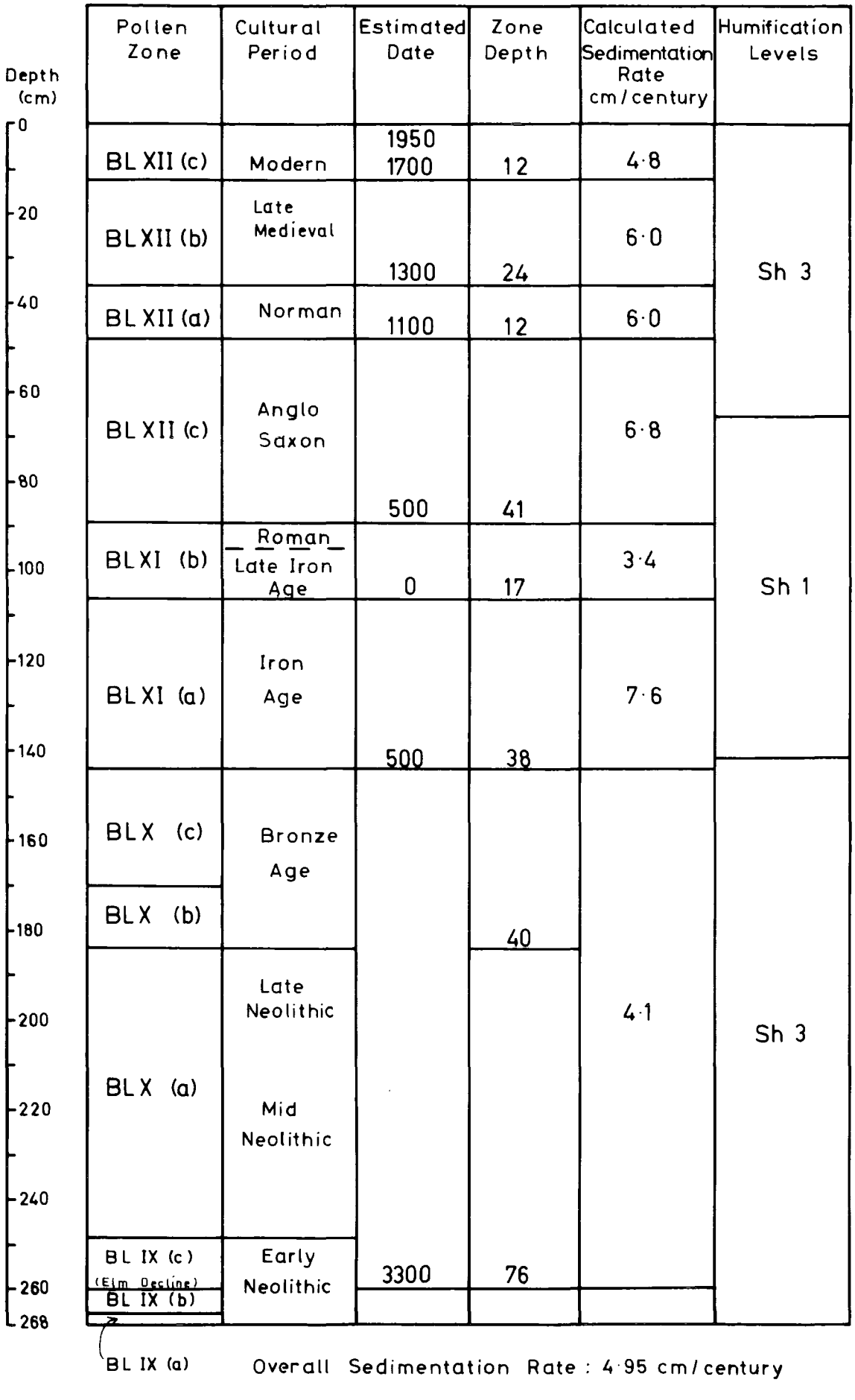
Figure 31 : Black Lough Clearance History: Summary Diagra



Note change of scale

Figure 32 : Black Lough 12(a): Humification Levels and Estimated Sedimentation Rates

BLACK LOUGH : SEDIMENTATION RATES



Overall Sedimentation Rate : 4·95 cm/century

Figure 33 : Regional Correlation of Clearance History at Sites in North-east England

NORTH EAST ENGLAND : Clearance History

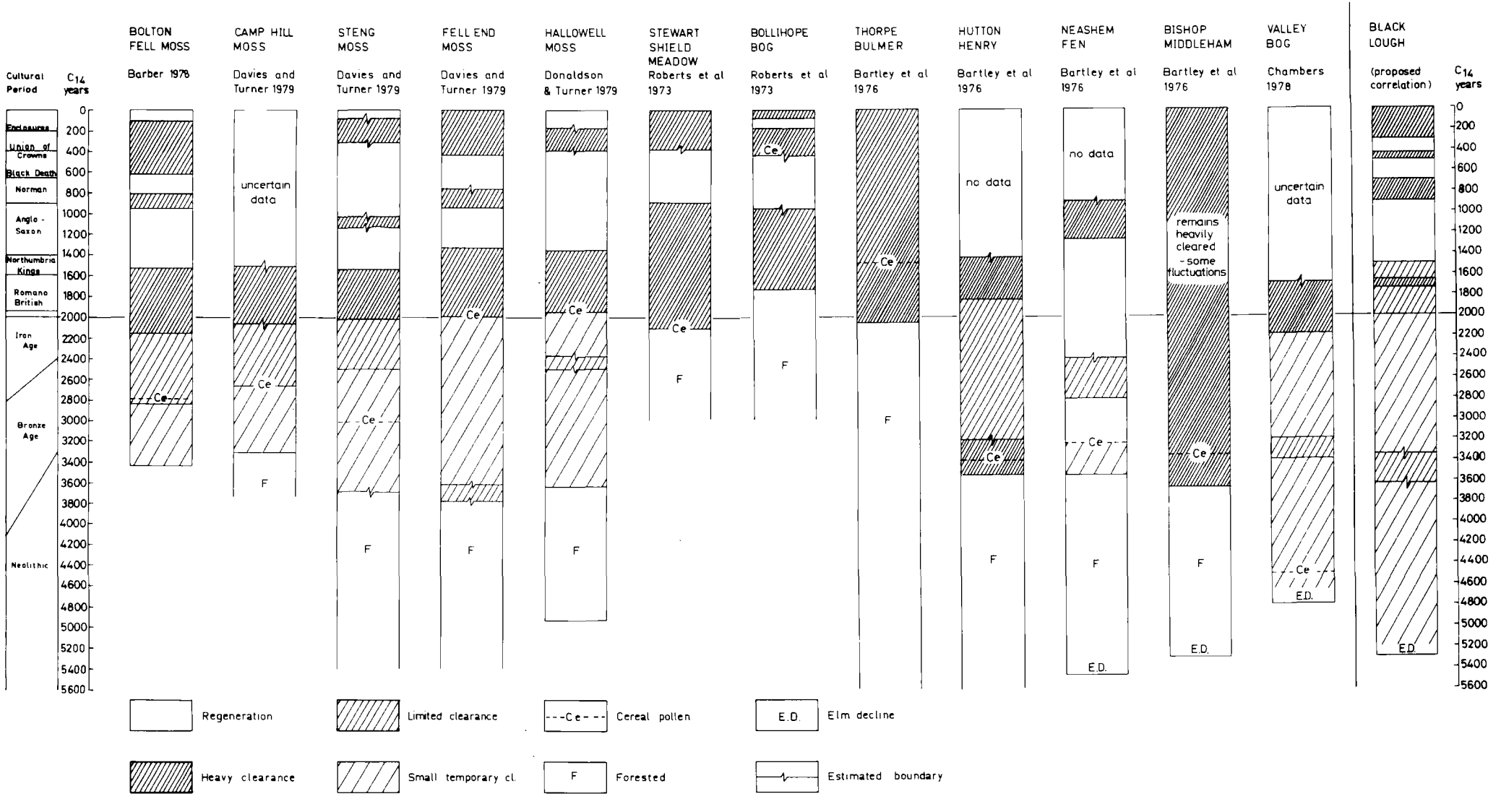


Figure 34 : Black Lough 12(a): Tentative Correlation of Pollen Curve with Historical Events, Norman Period to the Present

BLACK LOUGH : Norman to Present

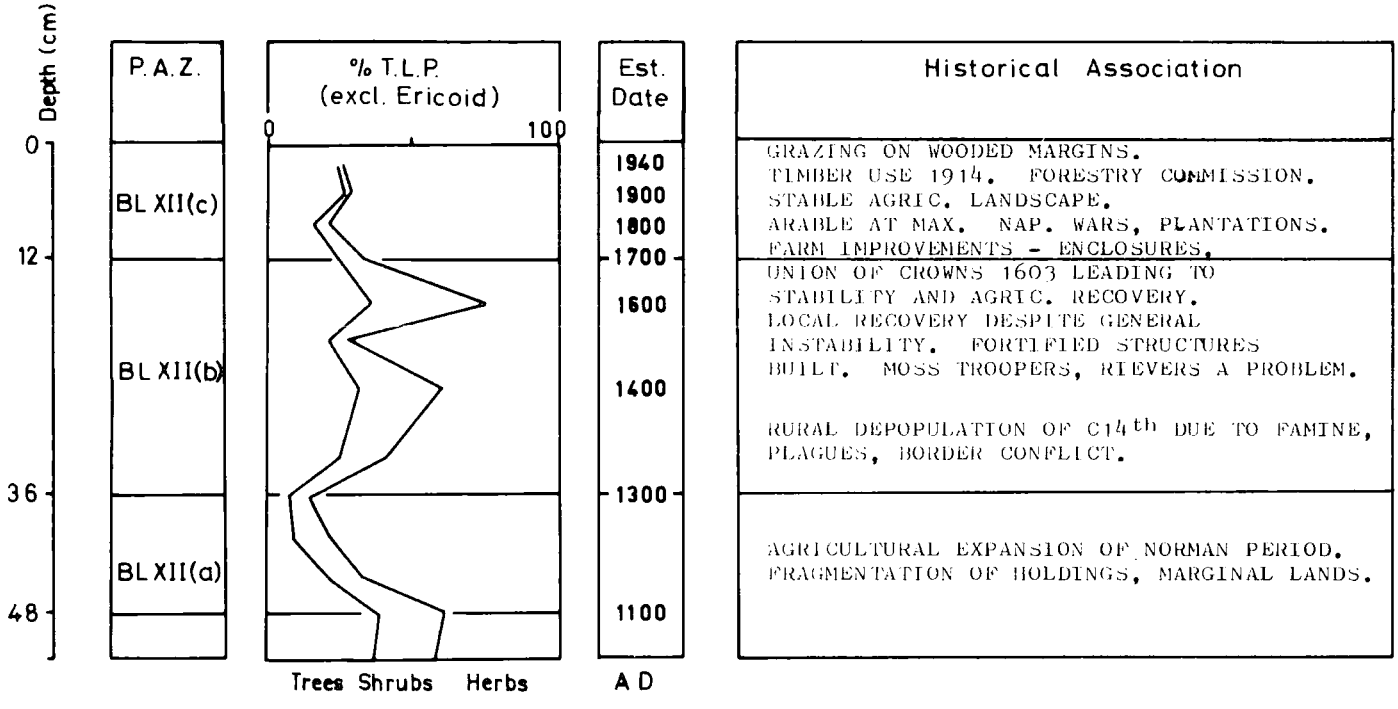
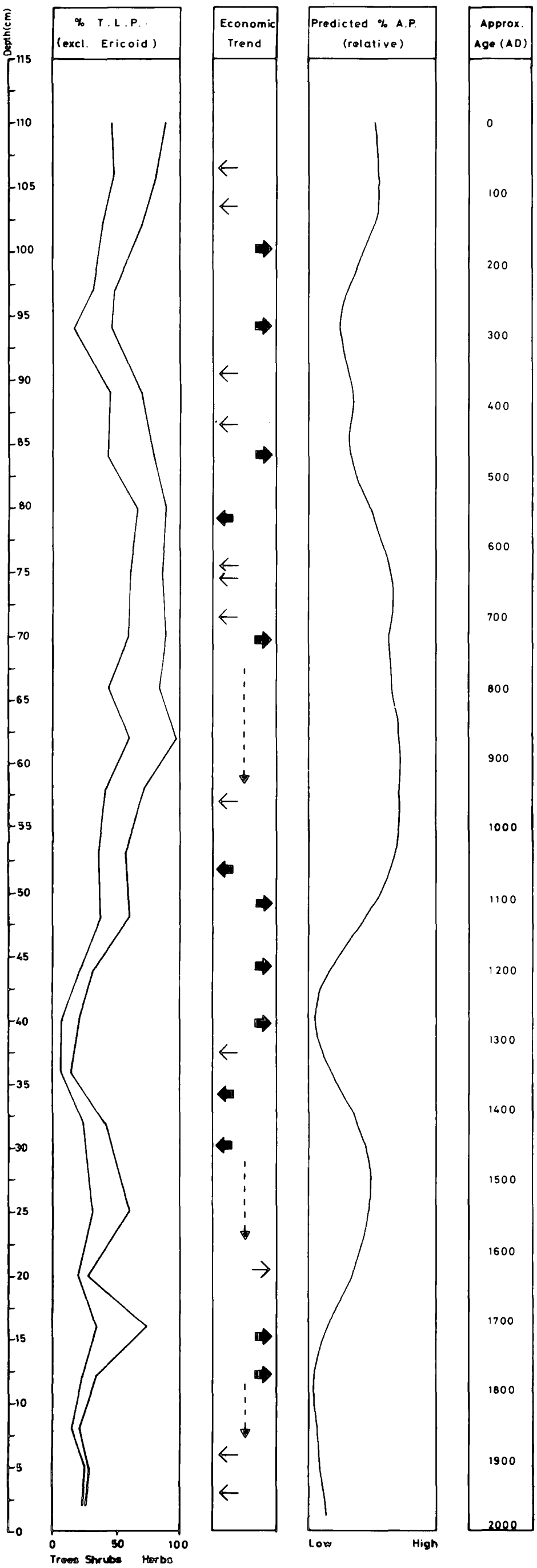


Figure 35 : Black Lough 12(a): Tentative Correlation of Pollen Curve with Economic History

Note : 1. Historical notes and predicted arboreal pollen curve compiled by Dr. B.K. Roberts, Dept. of Geography Durham University.

2. Lineal time scale approximate only due to variations in sedimentation rate.

BLACK LOUGH : vegetation / economic history correlation



Historical Events

AD 80 ROMAN ADVANCE INTO NORTH BRITAIN UNDER AGRICOLA

AD 122 CONSTRUCTION OF HADRIAN'S WALL (122-6)

AD 140-160's ANTONINE WALL OCCUPIED

AD 180's HADRIAN'S WALL PERMANENTLY OCCUPIED

PERIOD OF RELATIVE PEACE, EXPANSION, WITH OCCASIONAL LOCAL TROUBLES

AD 360's GREAT BARBARIAN CONSPIRACY: WALL BREACHED AND ESTABLISHMENT OF FRONTIER STATES (TRAPRAIN LAW, YEAVERING BELL)

AD 410-420 COEL HEN (ROMAN FIELD COMMANDER) IN CONTROL OF NTH., SAXON MERCENARY TROOPS.

AD 414-458 PICTISH RAIDS IN NORTH. REVOLT OF ANGLO-SAXONS IN SOUTH c.440

BRITISH RULERS REGAIN IN CONTROL. ORDERED TAXATION

BATTLES BY KING ARTHUR TO NORTH OF HADRIAN'S WALL

AD 515 ARTHUR KILLED c.515

AD 550 PLAGUE. ANGLO-SAXONS TAKE OVER SOUTH. SAXON REVOLT IN NORTH

PERIOD OF INSTABILITY, DECLINE, INTERNAL CONFLICT

AD 598 DEFEAT OF BRITISH AT CATRAETH BY ANGLO-SAXONS

AD 633
AD 642 NORTHUMBERLAND RAVAGED
AD 644 PLAGUE

[illegible]

AD 737 KING CEOLWULF GRANTS EDLINGHAM TO LINDISFARNE.
FEW EXTERNAL ENEMIES AND SIGNS OF INTERNAL PEACE. GROWTH IN LEARNING AND WIDE CULTURAL CONTACTS; MONASTERIES PROSPERED. GENERAL ANGLO-SAXON OCCUPATION OF COASTAL PLAINS, UPLANDS USED FOR SUMMERING BEASTS

VIKING RAIDS, BUT CONFINED TO COAST. LITTLE SETTLEMENT

AD 850 PICTS AND SCOTS UNITE INTO SCOTLAND
AD 866 DANISH OCCUPATION OF YORK. COLLAPSE OF NORTHUMBRIA AS A KINGDOM

CREATION OF 'NO-MANS' LAND, MARKET ZONE, BETWEEN NORTH AND SOUTH

RULE BY A SUCCESSION OF ENGLISH EARLS. MANY SCOTTISH INCURSIONS

AD 1016 BATTLE OF CARHAM (ON TWEED): SCOTS VICTORY

AD 1066 NORMAN CONQUEST: HARRYING OF NTH, MUCH WARFARE: NORMAN, SCOTS, VIKING ARMIES

PERIOD OF ECONOMIC RECOVERY UNDER INFLUENCE OF GREAT MAGNATES

EVIDENCE FOR EXPANSION AND CONSOLIDATION. VILLAGES RECORD HIGHEST NUMBERS OF RECORDED TENANTS BY END OF C13th. MOST VILLAGES PROBABLY PRESENT BY 1200: 1200-1300 EXPANSION INTO MARGINAL LANDS. MUCH TILLAGE AND HEAVY GRAZING ON MEADOWS AND ROUGH PASTURES. TIMBERS LOPPED FOR FUEL, TOOLS, and FENCES
YIELDS DECLINING ON MARGINAL LANDS. EDWARD I MOVES AGAINST SCOTLAND

AD 1314 BATTLE OF BANNOCKBURN
AD 1317-18 GREAT EUROPEAN FAMINE

AD 1348-9 BLACK DEATH AND CONTINUING PLAGUES. APPROX. 1/3 OF POPULATION DESTROYED.
RETREAT FROM MARGINAL LANDS

TROUBLED PERIOD: MOSS TROOPERS, RIEVERS;
CONSTRUCTION OF FORTIFIED PELES AND BASTLE HOUSES;
LITTLE ECONOMIC ADVANCE: STAGNATION;
SURVIVAL OF TRANSHUMANCE - SUMMERING OF BEASTS ON HILLS

AD 1603 UNION OF CROWNS, JAMES I AND VI
AD 1606 PACIFICATION OF BORDERS

LIMITED AGRICULTURAL IMPROVEMENTS: FOUNDATION OF NEW FARMS

MAIN CENTURY OF AGRICULTURAL IMPROVEMENTS: ENCLOSURES, PLANTING, RECLAIMING, LANDSCAPING, REBUILDING

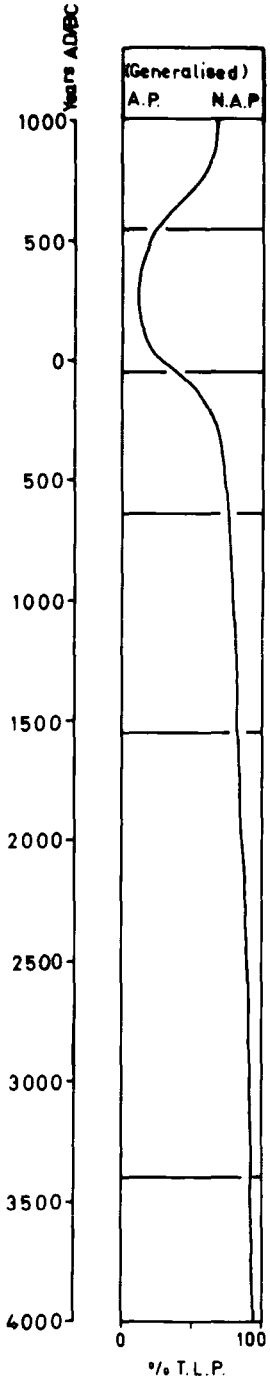
RELATIVELY STABLE DEVELOPED LANDSCAPES

AD 1914 LACK OF WOOD, NEED FOR WOODLAND MANAGEMENT
AD 1926 FORESTRY COMMISSION: PLANTING OF BORDER FORESTS BEGINS

RETREAT FROM MARGINS, HEATHER MANAGED FOR GROUSE.
INVASION OF PASTURE BY RUSH, GORSE, BRACKEN

Figure 36 : Summary of Regional Clearance History in North
east England: Neolithic to Anglo-Saxon

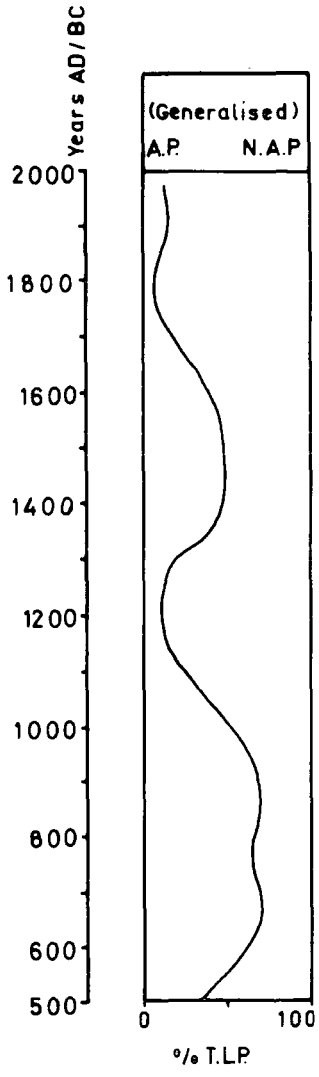
N.E. ENGLAND: Neolithic to Anglo-Saxon



Clearance Character	Culture	Process
GENERAL FOREST REGENERATION. RISE IN BIRCH AND HAZEL, DECREASE IN HERBS. CEREAL DISAPPEARS	ANGLO-SAXON	RAPID DECREASE IN AGRIC. ACTIVITY AND DROP IN POPULATION.
CONTINUED HEAVY CLEARANCE. FOREST UNDER 20%. INCR. GRAIN, CULTIVATION. HEATH RISES.	ROMANO-BRITISH	FIRST BASIC CHANGE IN CLEARANCE CHARACTER. RAPIDLY RISING AGRIC. PRODUCTIVITY AND POPULATION.
1st MAJOR FOREST CLEARANCE AT MOST SITES. FOREST REDUCED.	LATER IRON AGE	
SETTLEMENT MORE PERMANENT. NO GREAT REDUCTION IN FOREST COVER INCR. GRASS, CEREAL POLLEN, PASTORAL WEED TAXA.	EARLY IRON AGE	CONTINUOUS, RELATIVELY EVEN INTENSIFICATION OF LANDUSE PRESSURE.
GRADUAL REDUCTION OF FOREST COVER. CLEARINGS LESS TEMPORARY. CEREAL POLLEN DISCONTINUOUS BUT MORE FREQUENT. HEAVY CLEARANCE ON FAVOURED AGRIC. SITES. POSSIBLY PERMANENT SETTLEMENT IN THESE PLACES.	BRONZE/ BEAKER	COMPLEX MOSAIC OF CLEARANCE AND REGENERATION PATTERNS.
LIMITED BUT CONTINUOUS IMPACT ON FOREST COVER. ISOLATED CEREAL POLLEN. SMALL TEMPORARY FOREST CLEARINGS LARGELY ASSOCIATED WITH SHIFTING PASTORAL ACTIVITIES.	NEOLITHIC	EVIDENCE OF CULTURAL INFLUX PERIODS BUT NO MAJOR DISRUPTION.
"LANDNAM" CLEARANCES. ELM DECLINE		GRADUAL RISE IN POPULATION.
MINOR CLEARINGS IN FOREST. PATCHES OF HEATH IN BURNT AREAS.	MESOLITHIC	

Figure 37 : Summary of Regional Clearance History in North-east England: Early Medieval to the Present

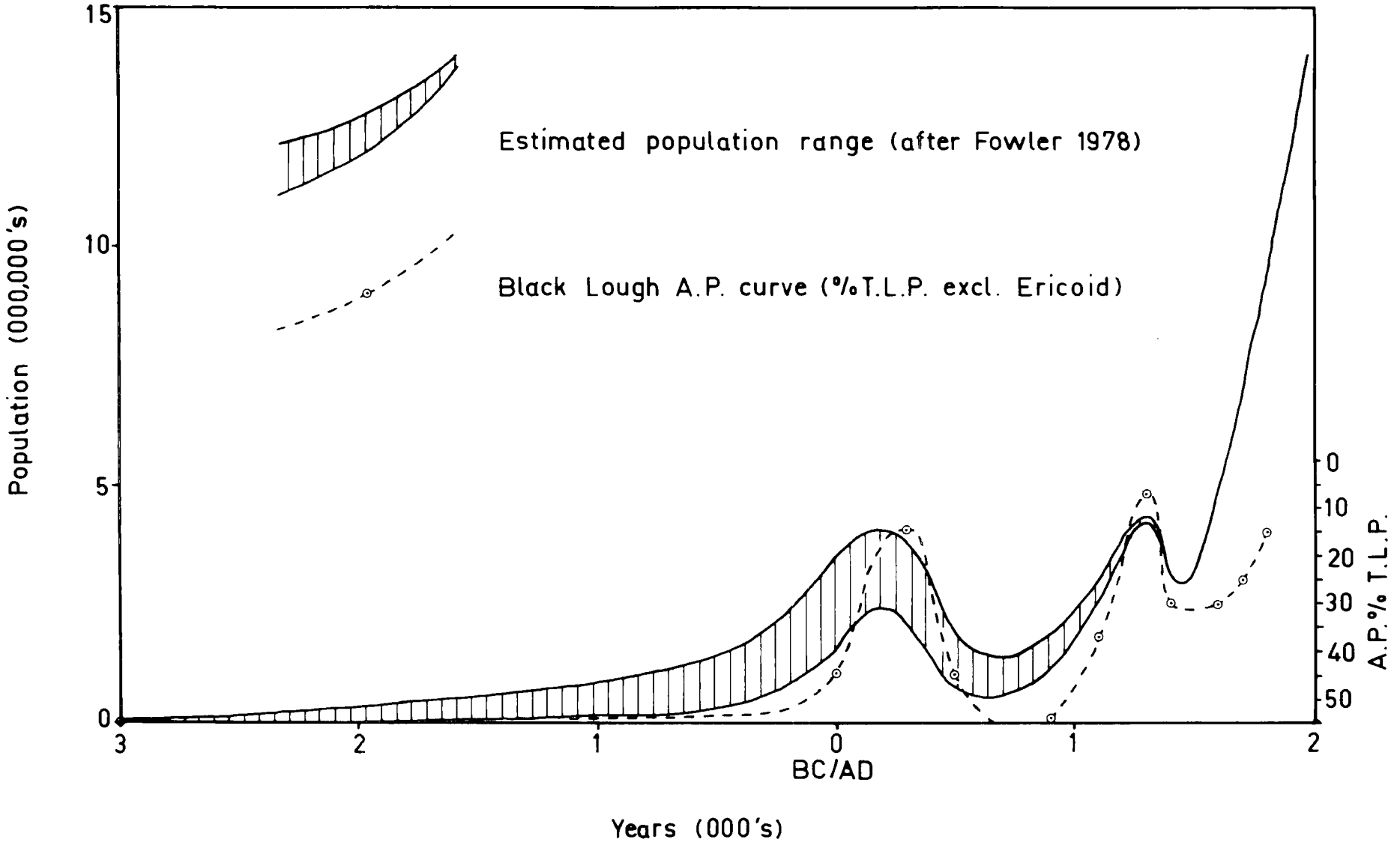
N.E. ENGLAND : Early Medieval to Present



Clearance	Historical Association
TREES INCREASE AFTER 1800 AND NEAR PRESENT. CEREALS DECREASE NEAR SURFACE. GENERALLY CLEARED LANDSCAPE.	STABLE AGRIC. LANDSCAPE. ARABLE — PASTORAL. PLANTATIONS INCREASE IN C20th. TREES USED DURING WORLD WAR I.
STEADY REDUCTION OF TREE % TO LEVEL SIMILAR TO NORMAN PERIOD. INCREASED CEREALS, HERBS, PARTICULARLY GRASSES.	REVIVAL OF ARABLE AFTER UNION OF CROWNS 1603. AG. IMPROVEMENTS - ENCLOSURE, PLANTATIONS. AG. AT PEAK BY 1800 STIM. BY NAP. WARS.
LIMITED REGENERATION, BIRCH, HAZEL RISE. HEATH DOES NOT EXPAND. CEREALS DISAPPEAR. GRASSES AND AGRIC. HERBS DECREASE.	RURAL DEPOPULATION ASSOCIATED WITH RETREAT FROM MARGINAL LANDS, HARVESTS FAIL, BLACK DEATH, RAIDING SCOTS.
VERY HEAVY AGRICULTURAL CLEARANCE. TREE % LOW, CEREALS RISE, PASTORAL INDICATOR HERBS RISE.	STABILITY AND AGRICULTURAL PROSPERITY OF NORMAN PERIOD.
GENERAL FOREST REGENERATION. AGRICULTURAL INDICATOR HERBS LOW. CEREAL POLLEN DISCONTINUOUS.	EARLY MEDIEVAL PERIOD OF POLITICAL AND ECONOMIC INSTABILITY. PLAGUES, BORDER CONFLICT. SOME STABILITY DURING C8th.

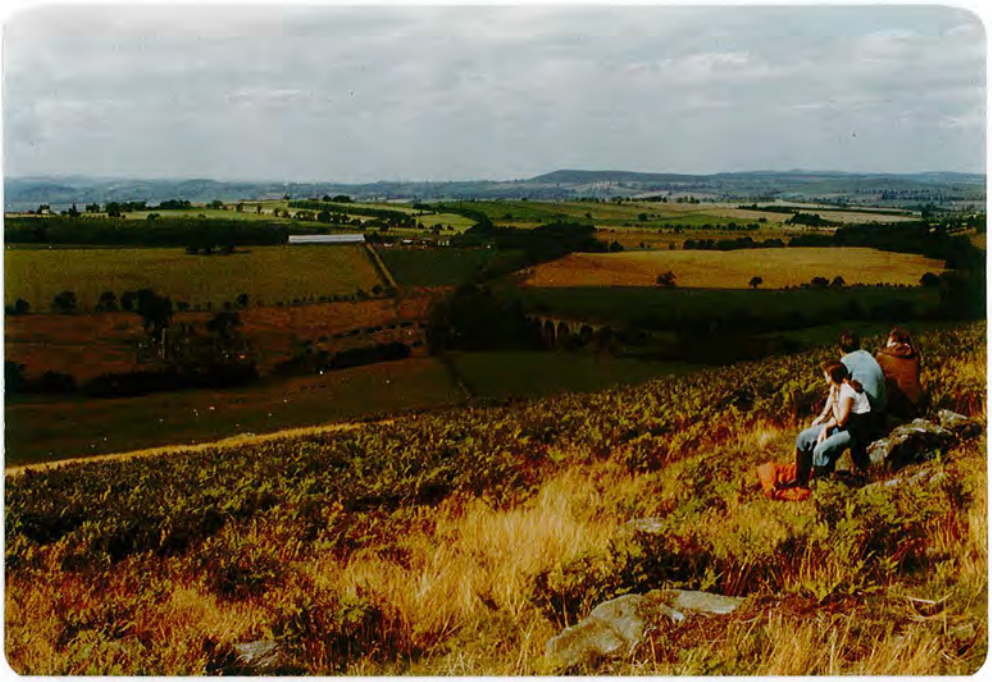
Figure 38 : Comparison of Population Curve for Southern England (Fowler 1978) with Black Lough 12(a) A.P. Curve

POPULATION / ARBOREAL POLLEN CURVE



Photograph 1 : Edlingham valley showing location of mire (dashed line) between castle and rail embankment. Runoff from neighbouring field in the direction of Lumby Law (L.L.) is channelled toward the mire. The slope in the foreground is the western escarpment of the Fell Sandstone ridge upon which Black Lough is located (sandstone outcropping). Rolling hills in the background comprise rocks of the less resistant Cementstone Group (ref. section 1.3)

Photograph 2 : View of Edlingham village looking west from Fell Sandstone escarpment. Houses (H), church (Ch) and castle (C) are marked. Castle site is currently the subject of archaeological survey (note scaffolding around castle). Site of original Saxon settlement is probably on the fields between church and castle (ref. section 4.1)




H
Ch
C

Photograph 3 : The Parish Church of St. John The Baptist, Edlingham. The first church on this site is thought to date from c. AD 740. The present stone building began to emerge c. AD 1050. The defensive tower dates from the early 14th Century during the unsettled period of border raids (ref. section 2.7)

Photograph 4 : Black Lough viewed from the south, showing east-west extent of lake, and peat bog extending up to "lagg" area (dashed line) in the foreground (now drained). The easter tip of the pine plantation is seen extending to near the lake edge on the right of the photograph. The lake probably results from peat cutting in more recent times. Black Lou occupies a depression in the underlying glaci drift with natural drainage blocked to the ea (ref. section 5.1)

Photograph 5 : Edlingham mire (dashed line), adjacent to castle. Alder trees line Edlingham Burn in the foreground. The mire acts as a sump, taking drainage from the castle, surrounding slopes and springs (ref. section 4.1)

Photograph 6 : Winter view from Fell Sandstone escarpment north-west across Edlingham valley toward Lumby Law (L.L.) and the Cheviot massif (partially cloud obscured) in the distance. Snow lies much deeper on the uplands (see also photo 7) than on the surrounding valley Ridge and furrow patterns can be clearly see on the lowland areas

Photograph 7 : Black Lough remained heavily snow-bound between December 1978 and April 1979. Winter conditions would normally be harsh on the exposed sandstone uplands. Borehole BL 12(a) (sample site) is located near the frozen lake surface and the pine plantation at the deepest point of the basin (arrow)

Photograph 8 : Edlingham mire. Cultivated fields (wheat) extend right up to the mire margins. Survey poles marking the position of borehol transect A-B are shown on the mire surface. Dashed line marks approximate course of abandoned stream meander from Edlington Burn to the right of the photo. Surface water lies permanently on this section of the mire

Photograph 9 : Edlingham mire. Surface vegetation reflects variable pattern of wet and dry areas. Dashed lines indicate course of drainage ditches cut through the mire. Lowered areas at the castle end of the mire are abandoned meander loops from Edlingham Burn (see also photo 8)

Photograph 10 : Survey of Edlingham mire. Kern Autoset Level is placed at point A on borehole transect A-B. Far section of transect is aligned on undisturbed land between drainage trenches marked on photo 9

Photograph 11 : Black Lough, western extremity of basin. Pine plantation and adjacent lowered peat surface can be seen extending from western end of lake. Dashed line marks a drainage ditch following circumference of bog area ("lagg" zone). Dark area on far side of lake consists of heather covered bog surface and hillsides.

Photograph 12 : "Pool and tussock" landscape on lowered section of Black Lough, western end. Tussocks consist of Eriophorum vaginatum (flowering) with spreading Sphagnum spp. in the pools.

Photograph 13 : Peat cutting trench, showing exposed Pinus stumps, western end Black Lough

Photograph 14 : Northern peat surface, Black Lough. "Regeneration complex" comprises small pools and damp areas favouring mosses, liverworts and sedges, with Eriophorum and to a lesser extent Calluna spp. dominating the drier areas

Photograph 15 : Lowered peat surface, Black Lough. Peat cutting in relatively recent times has exposed Pinus stumps at a consistent level over a wide area (see also photos 13, 16)

Photograph 16 : Exposed Pinus stumps, peat cut area, Black Lough (see also photos 13, 15)

Appendix 1. Preparation Of The Sediments For Pollen Analysis. (ref. page 33)

1. Carbonates (including the $CaCO_3$ matrix of the Lycopodium tablets were removed by the addition of cold 10% HCl.

2. Alkali-soluble organic compounds were evacuated by heating with 10% KOH for 30 to 60 minutes.

3. The sediment was then washed through 180 micron mesh and washed several times with distilled water until the supernatant liquid was quite clear. The sievings were back washed into Petri dishes and examined at x140 to x200 magnification under a binocular dissecting microscope for macroscopic content.
Charcoal content was graded on a 0-4 scale indicating a range from absent to very dense.

4. Sediments which contained minerogenic matter were heated in 30% HF for 2-3 hours or until all silicates were removed, and were then heated shortly in 10% HCl to remove any fluorides.

5. After washing, the samples were acetolysed using Erdtman's mixture, washed with glacial acetic acid and then repeatedly washed with distilled water.

6. The samples were dehydrated in tertiary butyl alcohol, stained with 0.1% aqueous solution of safranin and suspended in silicone oil.

DEPTH	CONVOLVULUS	PLANTAGO LANC.	PLANTAGO MAJ.MED.	PLANTAGO CORONOPUS	PLANTAGO MARITIMA	CAMPANULA	RUBIACEAE	NYMPHAEA	MYRIOPHYLLUM SPIC.	MYRIOPHYLLUM ALT.	POTAMOGETON	LEMNA	TYPHA ANGUST.	LYCOPODIUM	ISOETES	EQUISETUM	PTERIDIUM	POLYPODIUM	FILICALES	SPHAGNUM
-125.	0.	0.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	17.
-128.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	1.	2.	9.
-132.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.	4.	14.
-136.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	1.	5.	20.
-140.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	7.	5.
-144.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	1.	4.	33.
-148.	0.	3.	2.	2.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	3.	144.

1POLLEN TOTALS AND SUMMARY TABLE

0 DEPTH	TREES	SHRUBS	HERBS	AQUATS	SPORES	TOTAL	EXOTIC	TREES%	SHRUB%	HERBS%	AQUAT%	SPORE%
-2.0	14.0	469.0	45.0	0.0	7.0	528.0	400.0	2.7	88.8	8.5	0.0	1.3
-5.0	19.0	392.0	52.0	0.0	5.0	463.0	400.0	4.1	84.7	11.2	0.0	1.1
-8.0	14.0	254.0	69.0	0.0	4.0	337.0	400.0	4.2	75.4	20.5	0.0	1.2
-12.0	13.0	352.0	36.0	0.0	4.0	401.0	400.0	3.2	87.8	9.0	0.0	1.0
-16.0	68.0	353.0	51.0	0.0	29.0	472.0	400.0	14.4	74.8	10.8	0.0	6.1
-20.0	45.0	266.0	164.0	0.0	22.0	475.0	300.0	9.5	56.0	34.5	0.0	4.6
-25.0	117.0	500.0	149.0	0.0	71.0	766.0	400.0	15.3	65.4	19.5	0.0	9.3
-32.0	96.0	494.0	183.0	0.0	32.0	773.0	400.0	12.4	63.9	23.7	0.0	4.1
-36.0	30.0	519.0	383.0	0.0	92.0	932.0	400.0	3.2	55.7	41.1	0.0	9.9
-40.0	24.0	495.0	248.0	0.0	56.0	767.0	400.0	3.1	64.5	32.3	0.0	7.3
-44.0	48.0	1415.0	148.0	0.0	22.0	1611.0	300.0	3.0	87.8	9.2	0.0	1.4
-48.0	88.0	279.0	94.0	0.0	243.0	461.0	400.0	19.1	60.5	20.4	0.0	52.7
-53.0	104.0	460.0	120.0	0.0	79.0	684.0	300.0	15.2	67.2	17.5	0.0	11.5
-58.0	90.0	157.0	67.0	0.0	18.0	314.0	400.0	28.7	50.0	21.3	0.0	5.7
-62.0	97.0	187.0	4.0	0.0	12.0	288.0	300.0	33.7	64.9	1.4	0.0	4.2
-66.0	107.0	229.0	39.0	0.0	6.0	375.0	400.0	28.5	61.1	10.4	0.0	1.6
-70.0	45.0	121.0	8.0	0.0	29.0	174.0	400.0	25.9	69.5	4.6	0.0	16.7
-75.0	156.0	289.0	32.0	0.0	6.0	477.0	400.0	32.7	60.6	6.7	0.0	1.3
-80.0	170.0	151.0	39.0	0.0	17.0	360.0	300.0	47.2	41.9	10.8	0.0	4.7
-84.0	81.0	127.0	39.0	0.0	11.0	247.0	400.0	32.8	51.4	15.8	0.0	4.5
-88.0	115.0	166.0	82.0	0.0	15.0	363.0	400.0	31.7	45.7	22.6	0.0	4.1
-94.0	7.0	21.0	23.0	0.0	116.0	51.0	400.0	13.7	41.2	45.1	0.0	227.5
-97.0	25.0	29.0	41.0	0.0	122.0	95.0	400.0	26.3	30.5	43.2	0.0	128.4
-102.0	79.0	96.0	61.0	0.0	85.0	236.0	400.0	33.5	40.7	25.8	0.0	36.1
-106.0	68.0	61.0	26.0	0.0	83.0	155.0	400.0	43.9	39.4	16.8	0.0	53.5
-110.0	45.0	64.0	12.0	0.0	13.0	121.0	400.0	37.2	52.9	9.9	0.0	10.7
-114.0	78.0	39.0	19.0	0.0	27.0	136.0	400.0	57.4	28.7	14.0	0.0	19.9
-118.0	67.0	193.0	26.0	0.0	21.0	286.0	400.0	23.4	67.5	9.1	0.0	7.3
-121.0	100.0	92.0	25.0	0.0	16.0	217.0	400.0	46.1	42.4	11.5	0.0	7.4
-125.0	136.0	116.0	76.0	0.0	19.0	328.0	400.0	41.5	35.4	23.2	0.0	5.8
-128.0	94.0	107.0	10.0	0.0	17.0	211.0	300.0	44.5	50.7	4.7	0.0	8.1
-132.0	117.0	252.0	12.0	0.0	23.0	381.0	400.0	30.7	66.1	3.1	0.0	6.0
-136.0	87.0	179.0	12.0	0.0	30.0	278.0	400.0	31.3	64.4	4.3	0.0	10.8
-140.0	96.0	351.0	10.0	0.0	13.0	457.0	400.0	21.0	76.8	2.2	0.0	2.8
-144.0	226.0	306.0	5.0	0.0	41.0	537.0	500.0	42.1	57.0	0.9	0.0	7.6
-148.0	150.0	161.0	30.0	0.0	148.0	341.0	400.0	44.0	47.2	8.8	0.0	43.4

1

0BLACK LOUGH 12(A) POLLEN CONCENTRATION

0DEPTH	BETULA			PINUS			POPULUS			ULMUS			QUERCUS		
-2.	0.0	2.3	0.5	1.3	2.1	2.9	0.0	0.0	0.0	0.6	1.2	1.8	0.0	0.0	0.0
-5.	0.2	0.6	1.0	1.3	0.1	0.0	0.0	0.0	0.0	1.7	2.1	0.9	0.0	0.0	0.0
-8.	0.0	1.2	1.3	0.4	0.9	1.4	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0
-12.	0.0	0.5	1.0	0.8	1.5	2.1	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.3	0.6
-16.	3.5	10.4	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
-20.	6.5	10.7	12.8	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	1.9
-25.	13.3	17.8	20.2	0.5	1.2	1.5	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	3.9

181	-32.	8.5	10.4	12.2	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.7	3.6
182	-36.	3.8	5.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.0	0.2	0.6	1.0
183	-40.	2.5	3.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8
184	-44.	5.7	7.5	9.3	0.5	1.0	1.4	0.0	0.0	0.0	0.0	0.4	0.8	1.1	2.0	2.9
185	-48.	10.2	12.1	14.1	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.3	0.6	4.0	5.3	6.6
186	-53.	13.5	16.2	18.9	0.0	0.4	0.8	0.0	0.0	0.0	0.2	0.8	1.4	5.7	7.5	9.3
187	-58.	8.3	10.1	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.0	2.6	3.9	4.9
188	-62.	14.0	17.3	20.6	0.2	0.8	1.4	0.0	0.0	0.0	0.2	0.8	1.4	5.4	7.1	8.8
189	-66.	11.5	13.6	15.8	0.2	0.6	1.0	0.0	0.0	0.0	0.4	0.9	1.4	1.5	2.4	3.2
190	-70.	4.3	5.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.4
191	-75.	21.9	24.9	27.9	0.2	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	8.0	9.6
192	-80.	32.7	37.1	41.5	0.0	0.4	0.8	0.0	0.0	0.0	0.2	0.8	1.4	5.7	7.5	9.3
193	-84.	8.3	10.1	11.9	0.0	0.3	0.6	0.0	0.0	0.0	0.4	0.9	1.4	1.5	2.4	3.2
194	-89.	16.1	18.7	21.2	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.1	2.9
195	-94.	0.2	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.0
196	-97.	2.5	3.6	4.6	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.3	0.6	0.2	0.6	1.0
197	-102.	10.2	12.1	14.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	2.8	5.0	7.3
198	-106.	9.6	11.6	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	3.9
199	-110.	3.0	4.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	2.2	3.3	4.3
200	-114.	6.1	7.7	9.3	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.3	0.6	8.0	9.8	11.5
201	-118.	5.7	7.3	9.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.3	0.6	2.9	3.9	4.9
202	-121.	15.3	17.8	20.2	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.4	5.5
203	-125.	21.3	23.7	26.0	0.0	0.3	0.6	0.0	0.0	0.0	0.2	0.6	1.0	4.8	6.2	7.6
204	-128.	23.5	26.1	28.5	0.0	0.4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	5.7	7.5	9.3
205	-132.	13.4	15.7	18.0	0.2	0.6	1.0	0.0	0.0	0.0	0.2	0.6	1.0	6.1	7.7	9.3
206	-136.	11.0	13.0	15.1	0.6	1.2	1.8	0.0	0.0	0.0	0.0	0.3	0.6	3.8	5.0	6.3
207	-140.	6.4	8.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	7.2	8.9	10.6
208	-144.	31.2	33.4	35.6	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.0
209	-148.	20.0	22.8	25.7	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	5.1	6.5	7.9
210		BETULA			PINUS			POPULUS			ULMUS			QUERCUS		
211	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
212	ODEPTH	TILIA			FRAXINUS			ALNUS			CORYLOID			JUNIPER		
213	-2.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.0	0.0	0.3	0.6	0.0	0.0	0.0
214	-5.	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0
215	-8.	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	2.1	0.8	1.5	2.1	0.0	0.0	0.0
216	-12.	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8	0.6	1.2	1.8	0.0	0.0	0.0
217	-16.	0.0	0.0	0.0	0.0	0.0	0.0	7.7	9.5	11.2	19.7	22.5	25.3	0.0	0.0	0.0
218	-20.	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.5	7.1	4.0	5.5	7.0	0.0	0.0	0.0
219	-25.	0.0	0.0	0.0	0.0	0.0	0.0	10.7	12.7	14.8	26.6	29.9	33.2	0.0	0.3	0.6
220	-32.	0.0	0.0	0.0	0.0	0.0	0.0	8.5	10.4	12.3	12.9	15.1	17.3	0.0	0.0	0.0
221	-36.	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.7	3.6	6.4	8.0	9.6	0.0	0.0	0.0
222	-40.	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.7	3.9	9.0	10.8	12.7	0.0	0.0	0.0
223	-44.	0.0	0.0	0.0	0.0	0.0	0.0	6.1	7.9	9.7	5.7	7.5	9.3	0.0	0.0	0.0
224	-48.	0.0	0.0	0.0	0.0	0.0	0.0	6.4	8.0	9.6	12.6	14.8	17.0	0.0	0.0	0.0
225	-53.	0.0	0.0	0.0	0.2	0.8	1.4	13.1	15.8	18.5	19.3	22.5	25.8	0.0	0.0	0.0
226	-58.	0.0	0.0	0.0	0.0	0.3	0.6	11.0	13.0	15.1	16.4	19.0	21.5	0.0	0.0	0.0
227	-62.	0.0	0.0	0.0	0.0	0.0	0.0	9.2	11.5	13.7	20.3	23.7	27.1	0.0	0.0	0.0
228	-66.	0.0	0.0	0.0	0.0	0.3	0.6	11.3	13.9	16.1	23.4	27.0	30.7	0.0	0.0	0.0
229	-70.	0.0	0.0	0.0	0.0	0.0	0.0	5.4	6.8	8.3	4.5	5.8	7.2	0.0	0.0	0.0
230	-75.	0.0	0.0	0.0	0.0	0.0	0.0	10.4	12.4	14.5	18.0	19.4	22.9	0.0	0.0	0.0
231	-80.	0.0	0.0	0.0	0.2	0.8	1.4	13.9	16.6	19.3	17.5	20.5	23.6	0.0	0.0	0.0
232	-84.	0.0	0.0	0.0	0.4	0.9	1.4	7.7	9.5	11.2	16.7	19.3	21.9	0.0	0.0	0.0
233	-89.	0.0	0.0	0.0	0.0	0.2	0.5	11.5	13.5	15.5	15.9	18.4	20.9	0.0	0.0	0.0
234	-94.	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.4	2.5	3.6	4.6	0.0	0.0	0.0
235	-97.	0.0	0.0	0.0	0.0	0.3	0.6	1.5	2.4	3.2	2.8	3.9	4.9	0.0	0.0	0.0
236	-102.	0.0	0.0	0.0	0.2	0.6	1.0	4.0	5.3	6.5	14.5	16.9	19.3	0.0	0.3	0.6
237	-106.	0.0	0.0	0.0	0.0	0.3	0.6	4.0	5.3	6.6	11.0	13.0	15.1	0.0	0.0	0.0
238	-110.	0.0	0.0	0.0	0.0	0.3	0.6	4.0	5.3	6.6	9.0	11.3	13.6	0.0	0.0	0.0
239	-114.	0.0	0.3	0.6	0.0	0.3	0.6	3.3	4.4	5.5	7.2	8.9	10.6	0.0	0.0	0.0
240	-118.	0.0	0.0	0.0	0.0	1.2	1.8	4.6	5.9	7.2	16.7	19.3	21.8	0.0	0.0	0.0

-121.	0.0	0.3	0.6	0.4	0.9	1.4	4.2	5.6	7.0	17.0	19.5	22.2	0.0	0.0	0.0
-125.	0.0	0.0	0.0	0.4	0.9	1.4	6.9	8.6	10.2	11.5	13.6	15.3	0.2	0.5	1.0
-128.	0.0	0.0	0.0	0.0	0.4	0.8	1.7	2.8	3.8	14.0	17.8	20.6	0.0	0.0	0.0
-132.	0.0	0.0	0.0	0.4	0.9	1.4	7.5	9.2	10.9	26.9	30.2	33.6	0.0	0.0	0.0
-136.	0.0	0.0	0.0	0.0	0.3	0.6	4.6	5.9	7.3	11.0	13.0	15.1	0.0	0.0	0.0
-140.	0.0	0.0	0.0	0.2	0.6	1.0	8.8	10.7	12.5	25.2	28.4	31.7	0.0	0.0	0.0
-144.	0.0	0.0	0.0	0.0	0.0	0.0	16.2	18.5	20.7	40.3	44.3	48.1	0.0	0.0	0.0
-148.	0.0	0.0	0.0	0.0	0.0	0.0	12.5	14.8	17.0	19.6	21.3	24.1	0.0	0.0	0.0

TILIA FRAXINUS ALNUS CORYLOID JUNIPER

0BLACK LOUGH 12(A) POLLEN CONCENTRATION

0DEPTH	SALIX			HEDERA			VIBURNUM			HYPERICUM			EMPETRUM		
-2.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-5.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8
-8.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-12.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-16.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-20.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-25.	0.4	0.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-32.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-35.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2	28.4	31.6
-44.	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.4	41.1	45.9
-49.	0.2	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	8.3	9.9
-53.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	20.9	24.1
-58.	0.4	0.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	7.4	8.9
-62.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.5	7.0
-66.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.7	16.0	18.3
-70.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-75.	0.4	0.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-84.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.3	6.6
-89.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.7	3.6
-94.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.4
-97.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
-102.	0.4	0.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-106.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	1.0	1.8	2.5
-114.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-118.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	5.9	7.3
-121.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-125.	0.2	0.6	1.0	0.2	0.6	1.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
-128.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-132.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	3.3	4.3
-136.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.9	4.9
-144.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-148.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

SALIX HEDERA VIBURNUM HYPERICUM EMPETRUM

0BLACK LOUGH 12(A) POLLEN CONCENTRATION

0DEPTH	ERICACEAE			GRAMINEAE			CEREALIA			CYPERACEAE			ARTEMISIA		
-2.	129.1	138.6	148.1	9.6	11.6	13.5	0.0	0.0	0.0	0.6	1.2	1.8	0.0	0.0	0.0
-5.	106.4	114.6	122.9	11.8	13.9	16.1	0.0	0.3	0.6	0.2	0.5	1.0	0.0	0.0	0.0
-8.	67.9	73.8	79.7	13.1	15.4	17.7	0.0	0.3	0.6	2.5	3.6	4.6	0.0	0.0	0.0
-12.	95.2	102.8	110.4	6.7	8.3	9.9	0.0	0.0	0.0	0.4	0.9	1.4	0.0	0.0	0.0
-16.	75.6	82.1	88.5	7.5	9.2	10.9	0.2	0.6	1.0	3.0	4.1	5.3	0.0	0.0	0.0
-20.	90.6	99.1	107.7	45.9	51.3	56.8	0.0	0.0	0.0	6.1	7.9	9.7	0.0	0.4	0.8
-25.	108.7	117.0	125.4	17.5	20.1	22.8	0.0	0.0	0.0	17.0	19.5	22.2	0.0	0.0	0.0
-32.	121.0	130.9	140.0	35.6	40.6	44.6	0.0	0.0	0.0	13.1	15.4	17.7	0.0	0.0	0.0
-36.	135.6	145.5	155.3	69.5	75.5	81.6	0.2	0.6	1.0	23.8	27.0	30.1	0.0	0.0	0.0
-40.	97.7	105.3	113.0	47.1	51.8	56.5	0.0	0.3	0.6	6.9	8.5	10.1	0.0	0.0	0.0

Depth	Ericaceae			Gramineae			Cerealia			Cyperaceae			Artemisia		
-44.	470.7	509.5	542.4	[illegible]	41.5	46.2	0.2	0.8	1.4	0.5	[illegible]	[illegible]	0.0	0.4	0.8
-48.	53.8	59.0	64.1	[illegible]	14.5	16.7	0.0	0.3	0.7	5.1	[illegible]	7.3	0.0	0.3	0.6
-53.	127.0	137.9	148.8	[illegible]	[illegible]	[illegible]	0.0	0.0	0.0	5.4	7.1	[illegible]	0.0	0.0	0.0
-58.	[illegible]	19.3	21.8	[illegible]	[illegible]	10.2	0.0	0.0	[illegible]	6.7	[illegible]	[illegible]	0.0	0.3	0.6
-62.	[illegible]	43.4	[illegible]	0.2	[illegible]	1.4	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0
[illegible]	[illegible]	[illegible]	25.7	[illegible]	[illegible]	7.0	0.0	0.0	[illegible]	7.3	[illegible]	[illegible]	0.0	0.0	0.0
-70.	[illegible]	[illegible]	[illegible]	[illegible]	1.5	2.1	0.0	0.0	[illegible]	0.0	[illegible]	1.0	0.0	0.0	0.0
-75.	[illegible]	[illegible]	71.6	[illegible]	5.0	6.3	0.0	[illegible]	0.0	[illegible]	[illegible]	[illegible]	0.0	0.0	0.0
-80.	[illegible]	34.7	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0	0.0	[illegible]	[illegible]	[illegible]	0.0	0.0	0.0
-84.	11.0	13.0	15.1	0.8	1.5	2.1	0.0	[illegible]	[illegible]	7.0	[illegible]	[illegible]	0.0	0.0	0.0
-89.	[illegible]	28.7	[illegible]	[illegible]	15.1	17.4	0.0	[illegible]	1.0	4.8	[illegible]	[illegible]	0.0	0.0	0.0
-94.	1.0	[illegible]	2.5	[illegible]	4.1	[illegible]	0.0	0.0	[illegible]	0.6	1.2	[illegible]	0.0	0.0	0.0
-97.	[illegible]	4.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1.7	[illegible]	[illegible]	0.0	0.0	0.0
-102.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.3	0.6
[illegible]	[illegible]	[illegible]	6.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.0	0.0	0.0
[illegible]	[illegible]	[illegible]	6.3	1.0	[illegible]	[illegible]	0.0	0.0	[illegible]	[illegible]	1.2	[illegible]	0.0	0.0	0.0
-114.	[illegible]	2.4	3.2	[illegible]	[illegible]	[illegible]	0.0	[illegible]	[illegible]	1.0	1.3	[illegible]	0.0	0.0	0.0
-118.	[illegible]	32.0	35.3	[illegible]	2.7	[illegible]	[illegible]	0.0	[illegible]	2.5	[illegible]	[illegible]	0.0	0.0	0.0
-121.	[illegible]	7.7	9.3	2.5	[illegible]	4.0	[illegible]	0.0	[illegible]	2.0	[illegible]	[illegible]	0.0	0.3	[illegible]
-125.	[illegible]	18.7	21.2	5.4	[illegible]	[illegible]	0.0	0.0	0.0	[illegible]	14.5	[illegible]	0.0	0.0	0.0
-128.	21.1	24.5	[illegible]	1.1	[illegible]	[illegible]	0.0	0.0	[illegible]	0.9	1.5	2.4	0.0	0.0	0.0
-132.	36.8	40.6	44.9	1.0	1.3	2.5	0.0	[illegible]	[illegible]	0.4	[illegible]	1.4	0.0	0.0	0.0
[illegible]	[illegible]	40.0	44.0	1.3	2.1	[illegible]	0.0	0.0	0.0	[illegible]	1.2	1.0	0.0	0.0	0.0
-140.	[illegible]	71.7	77.3	0.6	1.2	[illegible]	0.0	[illegible]	0.0	0.8	[illegible]	2.1	0.0	0.0	0.0
-144.	[illegible]	[illegible]	31.1	0.7	0.7	1.1	0.0	0.0	0.0	[illegible]	[illegible]	0.8	0.0	0.0	0.0
-148.	[illegible]	[illegible]	[illegible]	3.8	4.7	5.0	0.0	0.0	0.0	[illegible]	[illegible]	[illegible]	0.0	0.0	0.0

BLACK LOUGH 12(A) POLLEN CONCENTRATION

DEPTH	SENECIO TYPE			MATRICARIA TYPE			RANUNCULUS TYPE			CALTHA			THALICTRUM		
-2.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-5.	0.0	0.0	0.0	0.0	[illegible]	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-8.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-12.	[illegible]	[illegible]	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-16.	[illegible]	0.3	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-25.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-32.	0.0	0.0	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]	0.0	0.0	0.0
-36.	[illegible]	[illegible]	1.0	0.0	0.3	[illegible]	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
-40.	0.4	[illegible]	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-44.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	[illegible]	[illegible]	0.0	0.0	0.0
-48.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-53.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-58.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-62.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-66.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-70.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-75.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	[illegible]	0.0	0.0	0.0	0.0	0.0	0.0
-84.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-87.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-94.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	[illegible]	0.0	0.0	0.0
-97.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	[illegible]	1.0	0.0	0.3	[illegible]	0.0	0.0	0.0
-102.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	[illegible]	0.0	0.0	0.0
[illegible]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-114.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-118.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-121.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-125.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-128.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

-70.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-75.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-84.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-87.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-94.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-97.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-102.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-106.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-114.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-118.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-121.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-125.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-128.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-132.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-136.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-144.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-148.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CAMPANULA			RUBIACEAE			NYMPHAEA			MYRIOPHYLLUM SPIC.			MYRIOPHYLLUM ALT.		

0BLACK LOUGH 13(A) POLLEN CONCENTRATION

0DEPTH	POTAMOGETON			LEMNA			TYPHA ANGUST.			LYCOPODIUM			ISOETES		
-2.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-5.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-8.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-12.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-16.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-20.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-25.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
-32.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-36.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-40.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-44.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-48.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-53.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-58.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-62.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-66.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
-70.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-75.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-80.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-84.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-87.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-94.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-97.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-102.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-106.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-110.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-114.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-118.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-121.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-125.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-128.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-132.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-136.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-140.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-144.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-148.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	POTAMOGETON			LEMNA			TYPHA ANGUST.			LYCOPODIUM			ISOETES		

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0BLACK LOUGH 12(A) POLLEN COUNTS

0DEPTH	BETULA	PINUS	POPULUS	ULMUS	QUERCUS	TILIA	FRAXINUS	ALNUS	CORYLOID	JUNIPER	SALIX	HEDERA	VIBURNUM	HYPERICUM	EMPETRUM	ERICACEAE	GRAMINEAE	CEREALIA	CYPERACEAE	ARTEMISIA
-152.	30.	0.	0.	0.	7.	0.	0.	31.	59.	0.	0.	0.	0.	0.	0.	70.	7.	0.	5.	0.
-157.	54.	1.	0.	3.	29.	0.	3.	85.	193.	0.	1.	0.	0.	0.	11.	120.	28.	0.	6.	0.
-162.	64.	2.	0.	0.	25.	0.	0.	44.	95.	0.	0.	0.	0.	0.	0.	132.	12.	0.	4.	0.
-166.	32.	1.	0.	4.	33.	0.	2.	85.	128.	0.	0.	0.	0.	0.	7.	100.	6.	0.	4.	0.
-170.	42.	1.	0.	1.	15.	0.	0.	70.	84.	0.	1.	0.	0.	0.	6.	159.	19.	0.	3.	0.
-175.	27.	0.	0.	3.	18.	0.	0.	69.	53.	0.	0.	0.	0.	0.	0.	49.	13.	0.	22.	0.
-179.	54.	2.	0.	1.	22.	0.	0.	65.	115.	0.	1.	0.	0.	0.	0.	58.	28.	0.	17.	0.
-184.	54.	1.	0.	1.	25.	0.	0.	66.	74.	0.	0.	0.	0.	0.	2.	50.	9.	0.	1.	0.
-188.	52.	5.	0.	2.	32.	1.	0.	54.	75.	0.	0.	0.	0.	1.	0.	27.	0.	0.	1.	0.
-193.	34.	1.	0.	1.	23.	0.	0.	45.	80.	0.	0.	0.	0.	0.	1.	22.	6.	0.	0.	0.
-197.	42.	4.	0.	2.	28.	0.	0.	55.	90.	0.	0.	0.	0.	0.	0.	45.	2.	0.	0.	0.
-202.	32.	0.	0.	1.	17.	0.	1.	34.	58.	1.	2.	0.	0.	0.	0.	33.	11.	0.	13.	0.
-206.	35.	0.	0.	1.	18.	0.	2.	37.	65.	0.	0.	0.	0.	0.	0.	47.	5.	0.	1.	0.
-210.	38.	7.	0.	6.	49.	2.	0.	101.	229.	0.	1.	0.	0.	0.	1.	159.	8.	0.	2.	0.
-214.	64.	7.	0.	0.	33.	0.	0.	83.	102.	0.	0.	0.	0.	0.	0.	133.	4.	0.	2.	0.
-218.	46.	1.	0.	2.	19.	2.	0.	65.	125.	0.	0.	0.	0.	0.	4.	75.	2.	0.	0.	0.
-225.	59.	4.	0.	4.	44.	1.	0.	77.	82.	0.	0.	0.	0.	0.	6.	93.	1.	0.	24.	0.
-230.	32.	1.	0.	2.	27.	0.	0.	89.	94.	0.	0.	0.	0.	0.	1.	30.	1.	0.	5.	0.
-236.	11.	0.	0.	0.	6.	0.	0.	17.	15.	0.	0.	0.	0.	0.	0.	11.	2.	0.	0.	0.
-242.	22.	1.	0.	3.	25.	0.	0.	78.	89.	0.	0.	0.	0.	0.	0.	43.	2.	0.	4.	0.
-246.	24.	2.	0.	0.	21.	0.	0.	73.	86.	0.	0.	0.	0.	0.	0.	43.	2.	0.	5.	0.
-249.	34.	7.	0.	2.	50.	0.	0.	136.	130.	0.	0.	0.	0.	0.	1.	90.	21.	0.	6.	0.
-252.	45.	4.	0.	1.	17.	1.	0.	87.	96.	0.	0.	0.	0.	0.	0.	38.	11.	0.	6.	0.
-254.	26.	5.	0.	0.	28.	1.	0.	127.	167.	0.	0.	0.	0.	0.	0.	91.	0.	0.	9.	0.
-256.	37.	3.	0.	3.	35.	2.	0.	115.	109.	0.	0.	0.	0.	0.	2.	140.	1.	0.	0.	0.
-258.	10.	1.	0.	0.	42.	0.	0.	72.	79.	0.	0.	0.	0.	0.	0.	67.	2.	0.	5.	0.
-260.	37.	4.	0.	2.	36.	0.	0.	93.	119.	0.	0.	0.	0.	0.	3.	131.	0.	0.	2.	0.
-262.	50.	4.	0.	10.	50.	0.	0.	101.	157.	0.	0.	0.	0.	0.	0.	49.	1.	0.	14.	0.
-264.	33.	0.	0.	17.	81.	1.	0.	73.	87.	0.	2.	0.	0.	0.	0.	30.	0.	0.	0.	0.
-266.	29.	5.	0.	7.	87.	2.	0.	91.	167.	0.	3.	0.	0.	0.	0.	153.	10.	0.	5.	0.
-268.	21.	0.	0.	13.	31.	0.	0.	41.	53.	0.	2.	1.	0.	0.	0.	42.	0.	0.	1.	0.
-270.	22.	5.	0.	11.	29.	0.	0.	26.	57.	0.	1.	0.	0.	0.	0.	20.	1.	0.	10.	0.
-272.	51.	7.	0.	13.	63.	2.	1.	53.	101.	0.	2.	0.	0.	0.	1.	56.	1.	0.	0.	0.
-275.	21.	2.	0.	6.	32.	0.	0.	37.	30.	0.	0.	0.	0.	0.	0.	11.	0.	0.	16.	0.
-278.	33.	1.	0.	13.	34.	0.	0.	53.	82.	0.	1.	0.	0.	0.	0.	24.	0.	0.	14.	0.
-282.	35.	12.	0.	32.	88.	1.	1.	87.	115.	0.	1.	0.	0.	1.	0.	74.	7.	0.	6.	0.
-286.	42.	5.	0.	21.	37.	0.	1.	85.	81.	0.	1.	0.	0.	0.	0.	23.	2.	0.	7.	0.
-290.	36.	1.	0.	10.	22.	0.	0.	122.	100.	0.	0.	0.	0.	0.	0.	69.	2.	0.	3.	0.
-294.	22.	2.	0.	20.	50.	0.	0.	81.	100.	0.	0.	0.	0.	0.	0.	23.	0.	0.	7.	0.
-299.	56.	5.	0.	19.	58.	1.	0.	118.	187.	0.	0.	0.	0.	0.	0.	192.	4.	0.	7.	0.

1

0BLACK LOUGH 12(A) POLLEN COUNTS

0DEPTH																				
-152.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
-157.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	0.	0.	1.	0.	2.	0.	0.	0.	0.	0.
-162.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
-166.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
-170.	0.	0.	3.	3.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.
-175.	0.	1.	1.	1.	0.	0.	0.	0.	2.	0.	0.	1.	0.	0.	2.	0.	0.	1.	0.	0.
-179.	0.	0.	5.	3.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.
-184.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
-188.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

61	-193.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
62	-197.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
63	-202.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.
64	-206.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
65	-210.	2.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
66	-214.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.
67	-218.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
68	-225.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
69	-230.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
70	-236.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
71	-242.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
72	-246.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
73	-249.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
74	-252.	0.	0.	3.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
75	-254.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
76	-256.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
77	-258.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
78	-260.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
79	-262.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
80	-264.	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	0.	0.
81	-266.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
82	-268.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.
83	-270.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
84	-272.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85	-275.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
86	-278.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87	-282.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
88	-286.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
89	-290.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90	-294.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
91	-299.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
92		SENECIO TYPE					HELIANTHEMUM					POTENTILLA TYPE				RUMEX						
93			MATRICARIA TYPE					CARYOPHYLLACEAE					SAXIFRAGACEAE					CANNABIS				
94				RANUNCULUS TYPE					CHENOPODIACEAE					UMBELLIFERAE					URTICA			
95					CALTHA					ROSACEAE					MERCURIALIS					GENTIANA		
96						THALICTRUM					FILIPENDULA					POLYGONUM					SCROPHULARIACEAE	
97	1																					
98	0BLACK LOUGH 12(A)			POLLEN COUNTS																		
99	0DEPTH																					
100	-152.	0.	1.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	12.	1.	2.	35.	
101	-157.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	0.	12.	13.	
102	-162.	0.	0.	0.	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	31.	2.	16.	4.	
103	-166.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	7.	1.	6.	4.	
104	-170.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	10.	0.	10.	4.	
105	-175.	0.	5.	0.	1.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	4.	16.	
106	-179.	0.	2.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	0.	9.	12.	
107	-184.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	24.	0.	3.	7.	
108	-188.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	14.	0.	5.	86.	
109	-193.	0.	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	9.	
110	-197.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	2.	5.	26.	
111	-202.	0.	2.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	33.	
112	-206.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	5.	5.	
113	-210.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	5.	17.	41.	
114	-214.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	4.	6.	14.	
115	-218.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	5.	8.	10.	
116	-225.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	0.	5.	9.	1.	30.	
117	-230.	0.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	9.	
118	-236.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	10.	
119	-242.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	3.	1.	175.	
120	-246.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	5.	34.	

-249.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	2.	167.
-252.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	3.	3.	273.
-254.	0.	1.	0.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	3.	10.	56.
-256.	0.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	3.	5.	24.
-258.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	6.	9.	8.
-260.	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	3.	7.	63.
-262.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	5.	20.	100.
-264.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	35.
-266.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	3.	5.	26.	42.
-268.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.	1.	16.
-270.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	8.
-272.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	2.	2.	49.
-275.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	0.	0.	2.	0.	0.	10.
-278.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	2.	5.	34.
-282.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	1.	5.	12.
-286.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.	4.	13.	2.
-290.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	4.	3.	8.	5.
-294.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.	1.	7.	22.
-299.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	5.	2.	27.	22.

CONVOLVULUS CAMPANULA POTAMOGETON EQUISETUM
PLANTAGO LANC. RUBIACEAE LEMNA PTERIDIUM
PLANTAGO MAJ.MED. NYMPHAEA TYPHA ANGUST. POLYPODIUM
PLANTAGO CORONOPUS MYRIOPHYLLUM SPIC. LYCOPODIUM FILICALES
PLANTAGO MARITIMA MYRIOPHYLLUM ALT. ISOETES SPHAGNUM

POLLEN TOTALS AND SUMMARY TABLE

DEPTH	TREES	SHRUBS	HERBS	AQUATS	SPORES	TOTAL	EXOTIC	TREES%	SHRUB%	HERB%	AQUAT%	SPORE%
-152.0	68.0	129.0	15.0	0.0	50.0	212.0	400.0	32.1	60.8	7.1	0.0	23.6
-157.0	175.0	325.0	40.0	0.0	29.0	540.0	200.0	32.4	60.2	7.4	0.0	5.4
-162.0	135.0	227.0	19.0	0.0	53.0	381.0	300.0	35.4	59.6	5.0	0.0	13.9
-166.0	157.0	235.0	10.0	0.0	18.0	402.0	400.0	39.1	58.5	2.5	0.0	4.5
-170.0	129.0	250.0	29.0	0.0	24.0	408.0	300.0	31.6	61.3	7.1	0.0	5.9
-175.0	117.0	102.0	56.0	0.0	21.0	275.0	400.0	42.5	37.1	20.4	0.0	7.6
-179.0	144.0	204.0	57.0	0.0	29.0	405.0	300.0	35.6	50.4	14.1	0.0	7.2
-184.0	148.0	126.0	11.0	0.0	34.0	285.0	400.0	51.9	44.2	3.9	0.0	11.9
-188.0	146.0	103.0	1.0	0.0	105.0	250.0	350.0	58.4	41.2	0.4	0.0	42.0
-193.0	104.0	103.0	9.0	0.0	22.0	216.0	400.0	48.1	47.7	4.2	0.0	10.2
-197.0	131.0	135.0	2.0	0.0	38.0	258.0	400.0	48.9	50.4	0.7	0.0	14.2
-202.0	85.0	144.0	28.0	0.0	36.0	257.0	400.0	33.1	56.0	10.9	0.0	14.0
-206.0	93.0	112.0	7.0	0.0	15.0	212.0	400.0	43.9	52.8	3.3	0.0	7.1
-210.0	203.0	390.0	13.0	0.0	69.0	606.0	400.0	33.5	64.4	2.1	0.0	11.4
-214.0	187.0	235.0	7.0	0.0	25.0	429.0	200.0	43.6	54.8	1.6	0.0	5.8
-218.0	135.0	204.0	2.0	0.0	26.0	341.0	400.0	39.6	59.8	0.6	0.0	7.6
-225.0	189.0	181.0	25.0	0.0	46.0	395.0	300.0	47.8	45.8	6.3	0.0	11.6
-230.0	151.0	125.0	8.0	0.0	10.0	284.0	300.0	53.2	44.0	2.8	0.0	3.5
-236.0	34.0	29.0	2.0	0.0	12.0	65.0	400.0	52.3	44.6	3.1	0.0	18.5
-242.0	129.0	132.0	6.0	0.0	180.0	267.0	400.0	48.3	49.4	2.2	0.0	67.4
-246.0	120.0	129.0	7.0	0.0	43.0	256.0	400.0	46.9	50.4	2.7	0.0	16.8
-249.0	229.0	211.0	28.0	0.0	170.0	458.0	300.0	48.9	45.1	6.0	0.0	36.3
-252.0	155.0	134.0	21.0	0.0	283.0	310.0	200.0	50.0	43.2	6.8	0.0	91.3
-254.0	187.0	258.0	11.0	0.0	74.0	456.0	300.0	41.0	56.6	2.4	0.0	16.2
-256.0	195.0	251.0	2.0	0.0	33.0	448.0	300.0	43.5	56.0	0.4	0.0	7.4
-258.0	125.0	146.0	7.0	0.0	24.0	278.0	400.0	45.0	52.5	2.5	0.0	8.6
-260.0	172.0	253.0	4.0	0.0	75.0	429.0	300.0	40.1	59.0	0.9	0.0	17.5
-262.0	215.0	206.0	15.0	0.0	130.0	436.0	100.0	49.3	47.2	3.4	0.0	29.8
-264.0	205.0	119.0	13.0	0.0	39.0	337.0	200.0	60.8	35.3	3.9	0.0	11.6
-266.0	221.0	328.0	15.0	0.0	76.0	564.0	400.0	39.2	58.2	2.7	0.0	13.5
-268.0	106.0	98.0	2.0	0.0	20.0	206.0	400.0	51.5	47.6	1.0	0.0	9.7
-270.0	93.0	78.0	11.0	0.0	10.0	182.0	300.0	51.1	42.9	6.0	0.0	5.5
-272.0	190.0	160.0	1.0	0.0	55.0	351.0	300.0	54.1	45.6	0.3	0.0	15.7
-275.0	98.0	41.0	16.0	0.0	13.0	155.0	400.0	63.2	26.5	10.3	0.0	8.4

-278.0	139.0	107.0	14.0	0.0	47.0	260.0	400.0	53.5	41.2	5.4	0.0	18.1	
-282.0	256.0	191.0	13.0	0.0	20.0	460.0	200.0	55.7	41.5	2.8	0.0	4.3	
-286.0	191.0	105.0	9.0	0.0	21.0	305.0	400.0	62.6	34.4	3.0	0.0	6.9	
-290.0	191.0	169.0	5.0	0.0	20.0	365.0	300.0	52.3	46.3	1.4	0.0	5.5	
-294.0	175.0	123.0	7.0	0.0	31.0	305.0	200.0	57.4	40.3	2.3	0.0	10.2	
-299.0	257.0	379.0	11.0	0.0	56.0	647.0	200.0	39.7	58.6	1.7	0.0	3.7	

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0BLACK LOUGH 12(A) POLLEN CONCENTRATION

0DEPTH	BETULA			PINUS			POPULUS			ULMUS			QUERCUS		
-152.	7.2	8.9	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.1	2.9
-157.	27.1	32.0	36.9	0.0	0.6	1.2	0.0	0.0	0.0	0.7	1.3	2.8	13.8	17.2	20.6
-162.	21.8	25.3	28.8	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	7.8	9.9	11.9
-166.	7.7	9.5	11.2	0.0	0.3	0.6	0.0	0.0	0.0	0.6	1.2	1.8	8.0	9.8	11.5
-170.	13.9	16.6	19.3	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.4	0.8	4.4	5.9	7.5
-175.	6.4	8.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.4	4.0	5.3	6.6
-179.	18.2	21.3	24.5	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.4	0.8	6.8	8.7	10.6
-184.	13.7	16.0	18.3	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.3	0.6	6.1	7.7	9.3
-188.	15.0	17.6	20.2	0.9	1.7	2.5	0.0	0.0	0.0	0.2	0.7	1.2	8.8	10.8	12.8
-193.	8.3	10.1	11.9	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.3	0.6	5.4	6.8	8.3
-197.	10.4	12.4	14.5	0.6	1.2	1.8	0.0	0.0	0.0	0.2	0.5	1.0	6.7	8.3	9.9
-202.	7.7	9.5	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	3.8	5.0	6.2
-206.	8.5	10.4	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	4.0	5.3	6.6
-210.	9.3	11.3	13.2	1.3	2.1	2.9	0.0	0.0	0.0	1.0	1.8	2.5	12.3	14.5	16.7
-214.	32.5	37.9	43.4	2.6	4.1	5.7	0.0	0.0	0.0	0.0	0.0	0.0	15.9	19.6	23.2
-218.	11.5	13.6	15.8	0.0	0.3	0.6	0.0	0.0	0.0	0.2	0.5	1.0	4.3	5.6	7.0
-225.	20.0	23.3	26.6	0.8	1.6	2.4	0.0	0.0	0.0	0.8	1.6	2.4	14.6	17.4	20.2
-230.	10.3	12.6	15.0	0.0	0.4	0.8	0.0	0.0	0.0	0.2	0.8	1.4	8.5	10.7	12.8
-236.	2.3	3.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	2.5
-242.	5.1	6.5	7.9	0.0	0.3	0.6	0.0	0.0	0.0	0.4	0.9	1.4	5.9	7.4	8.9
-246.	5.6	7.1	8.6	0.2	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	6.2	7.6
-249.	11.0	13.4	15.9	1.7	2.8	3.8	0.0	0.0	0.0	0.2	0.8	1.4	16.7	19.8	22.8
-252.	22.3	26.7	31.1	1.2	2.4	3.6	0.0	0.0	0.0	0.0	0.6	1.2	7.5	10.1	12.6
-254.	8.2	10.3	12.4	1.1	2.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	8.9	11.1	13.2
-256.	12.1	14.6	17.2	0.5	1.2	1.9	0.0	0.0	0.0	0.5	1.2	1.9	11.4	13.8	16.3
-258.	2.0	3.0	3.9	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	10.4	12.4	14.5
-260.	12.1	14.6	17.2	0.8	1.6	2.4	0.0	0.0	0.0	0.2	0.8	1.4	11.7	14.2	16.7
-262.	49.0	59.3	69.5	2.3	4.7	7.2	0.0	0.0	0.0	7.9	11.8	15.8	49.0	59.3	69.5
-264.	15.9	19.6	23.2	0.0	0.0	0.0	0.0	0.0	0.0	7.5	10.1	12.6	41.7	48.0	54.3
-266.	6.9	8.5	10.2	0.8	1.5	2.1	0.0	0.0	0.0	1.3	2.1	2.9	22.7	25.8	28.8
-268.	4.8	6.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.9	4.9	7.5	9.2	10.9
-270.	6.8	8.7	10.6	1.1	2.0	2.9	0.0	0.0	0.0	3.0	4.3	5.7	9.2	11.5	13.7
-272.	17.1	20.1	23.2	1.7	2.8	3.8	0.0	0.0	0.0	3.7	5.1	6.6	21.4	24.9	28.3
-275.	4.8	6.2	7.6	0.2	0.5	1.0	0.0	0.0	0.0	1.0	1.8	2.5	7.7	9.5	11.2
-278.	9.3	11.3	13.2	0.0	0.3	0.5	0.0	0.0	0.0	2.8	3.9	4.9	8.3	10.1	11.9
-282.	16.9	20.7	24.5	5.0	7.1	9.2	0.0	0.0	0.0	15.3	19.0	22.6	45.5	52.1	58.8
-286.	10.4	12.4	14.5	0.8	1.5	2.1	0.0	0.0	0.0	4.8	6.2	7.6	9.1	11.0	12.8
-290.	11.7	14.2	16.7	0.0	0.4	0.8	0.0	0.0	0.0	2.7	3.9	5.2	6.8	8.7	10.6
-294.	10.1	13.0	16.0	0.3	1.2	2.0	0.0	0.0	0.0	9.1	11.8	14.6	24.9	29.6	34.3
-299.	28.2	33.2	38.2	1.6	3.0	4.3	0.0	0.0	0.0	8.5	11.3	14.0	29.2	34.4	39.5

BETULA PINUS POPULUS ULMUS QUERCUS

0BLACK LOUGH 12(A) POLLEN CONCENTRATION

0DEPTH	TILIA			FRAXINUS			ALNUS			CORYLOID			JUNIPER		
-152.	0.0	0.0	0.0	0.0	0.0	0.0	7.5	9.2	10.9	15.0	17.5	19.9	0.0	0.0	0.0
-157.	0.0	0.0	0.0	0.7	1.8	2.8	43.8	50.4	56.9	102.8	114.4	125.9	0.0	0.0	0.0
-162.	0.0	0.0	0.0	0.0	0.0	0.0	14.6	17.4	20.2	33.1	37.5	42.0	0.0	0.0	0.0
-166.	0.0	0.0	0.0	0.2	0.5	1.0	22.2	25.2	28.2	34.1	37.9	41.8	0.0	0.0	0.0
-170.	0.0	0.0	0.0	0.0	0.0	0.0	24.0	27.6	31.3	29.1	33.2	37.3	0.0	0.0	0.0
-175.	0.0	0.0	0.0	0.0	0.0	0.0	17.8	20.4	23.1	13.4	15.7	18.0	0.0	0.0	0.0
-179.	0.0	0.0	0.0	0.0	0.0	0.0	22.2	25.7	29.2	40.4	45.4	50.4	0.0	0.0	0.0
-184.	0.0	0.0	0.0	0.0	0.0	0.0	17.0	19.6	22.2	19.1	21.9	24.7	0.0	0.0	0.0

241	-188.	0.0	0.3	0.7	0.0	0.0	0.0	15.6	18.3	21.0	22.2	25.4	28.6	0.0	0.0	0.0
242	-193.	0.0	0.0	0.0	0.0	0.0	0.0	11.2	13.3	15.4	20.8	23.7	26.6	0.0	0.0	0.0
243	-197.	0.0	0.0	0.0	0.0	0.0	0.0	13.9	16.3	18.6	23.5	25.7	29.8	0.0	0.0	0.0
244	-202.	0.0	0.0	0.0	0.0	0.3	0.6	8.3	10.1	11.9	14.8	17.2	19.6	0.0	0.3	0.6
245	-206.	0.0	0.0	0.0	0.2	0.6	1.0	9.1	11.0	12.8	16.7	19.3	21.8	0.0	0.0	0.0
246	-210.	0.2	0.6	1.0	0.0	0.0	0.0	26.6	29.9	33.3	62.2	67.8	73.5	0.0	0.0	0.0
247	-214.	0.0	0.0	0.0	0.0	0.0	0.0	42.7	49.2	55.6	53.1	60.4	67.8	0.0	0.0	0.0
248	-218.	0.2	0.6	1.0	0.0	0.0	0.0	16.7	19.3	21.8	33.2	37.0	40.8	0.0	0.0	0.0
249	-225.	0.0	0.4	0.8	0.0	0.0	0.0	26.5	30.4	34.3	28.3	32.4	36.4	0.0	0.0	0.0
250	-230.	0.0	0.0	0.0	0.0	0.0	0.0	30.9	35.2	39.4	32.7	37.1	41.5	0.0	0.0	0.0
251	-236.	0.0	0.0	0.0	0.0	0.0	0.0	3.8	5.0	6.3	4.0	5.3	6.6	0.0	0.0	0.0
252	-242.	0.0	0.0	0.0	0.0	0.0	0.0	20.2	23.1	26.0	23.3	26.4	29.5	0.0	0.0	0.0
253	-246.	0.0	0.0	0.0	0.0	0.0	0.0	18.9	21.6	24.4	22.4	25.5	28.5	0.0	0.0	0.0
254	-249.	0.0	0.0	0.0	0.0	0.0	0.0	48.2	53.7	59.3	45.9	51.3	56.8	0.0	0.0	0.0
255	-252.	0.0	0.6	1.2	0.0	0.0	0.0	44.9	51.5	58.2	49.8	56.9	64.0	0.0	0.0	0.0
256	-254.	0.0	0.4	0.8	0.0	0.0	0.0	44.8	50.2	55.5	59.6	66.0	72.4	0.0	0.0	0.0
257	-256.	0.2	0.8	1.4	0.0	0.0	0.0	40.4	45.4	50.4	38.2	43.1	47.9	0.0	0.0	0.0
258	-258.	0.0	0.0	0.0	0.0	0.0	0.0	16.6	21.3	24.1	20.5	23.4	26.3	0.0	0.0	0.0
259	-260.	0.0	0.0	0.0	0.0	0.0	0.0	32.4	36.7	41.1	41.9	47.0	52.1	0.0	0.0	0.0
260	-262.	0.0	0.0	0.0	0.0	0.0	0.0	102.8	119.7	136.6	162.2	186.0	209.9	0.0	0.0	0.0
261	-264.	0.0	0.6	1.2	0.0	0.0	0.0	37.3	43.3	49.2	44.9	51.5	58.2	0.0	0.0	0.0
262	-266.	0.2	0.6	1.0	0.0	0.0	0.0	23.8	27.0	30.1	44.9	49.5	54.0	0.0	0.0	0.0
263	-268.	0.0	0.0	0.0	0.0	0.0	0.0	10.2	12.1	14.1	13.4	15.7	18.0	0.0	0.0	0.0
264	-270.	0.0	0.0	0.0	0.0	0.0	0.0	8.2	10.3	12.4	19.3	22.5	25.8	0.0	0.0	0.0
265	-272.	0.2	0.8	1.4	0.0	0.4	0.8	17.8	20.9	24.1	35.3	39.9	44.5	0.0	0.0	0.0
266	-275.	0.0	0.0	0.0	0.0	0.0	0.0	9.1	11.0	12.8	7.2	8.9	10.6	0.0	0.0	0.0
267	-278.	0.0	0.0	0.0	0.0	0.0	0.0	13.4	15.7	18.0	21.3	24.3	27.2	0.0	0.0	0.0
268	-282.	0.0	0.6	1.2	0.0	0.6	1.2	44.9	51.5	58.2	60.1	68.1	76.1	0.0	0.0	0.0
269	-286.	0.0	0.0	0.0	0.0	0.3	0.6	22.2	25.2	28.2	21.1	24.0	26.9	0.0	0.0	0.0
270	-290.	0.0	0.0	0.0	0.0	0.0	0.0	43.0	48.2	53.4	34.9	39.5	44.1	0.0	0.0	0.0
271	-294.	0.0	0.0	0.0	0.0	0.0	0.0	41.7	48.0	54.3	52.0	59.3	66.5	0.0	0.0	0.0
272	-299.	0.0	0.6	1.2	0.0	0.0	0.0	61.8	69.9	78.0	99.5	110.8	122.1	0.0	0.0	0.0
273		TILIA			FRAXINUS			ALNUS			CORYLOID			JUNIPER		
274	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
275	ODEPTH	SALIX			HEDERA			VIBURNUM			HYPERICUM			EMPETRUM		
276	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
277	-157.	0.0	0.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	6.5	8.5
278	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
279	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.1	2.9
280	-170.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.4	3.3
281	-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
282	-179.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
283	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.0
284	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.0	0.0
285	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
286	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
287	-202.	0.2	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
288	-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
289	-210.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
290	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
291	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8
292	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.4	3.3
293	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
294	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
295	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
296	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
297	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
298	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
299	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300	-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4

301	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
302	-260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	1.9
303	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
304	-264.	0.3	1.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
305	-266.	0.4	0.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
306	-268.	0.2	0.6	1.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
307	-270.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
308	-272.	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
309	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310	-278.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
311	-282.	0.0	0.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.0	0.0	0.0
312	-286.	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
313	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
314	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
316		SALIX			HEDERA			VIBURNUM			HYPERICUM			EMPETRUM		
317	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
318	ODEPTH	ERICACEAE			GRAMINEAE			CEREALIA			CYPERACEAE			ARTEMISIA		
319	-152.	18.0	20.7	23.4	1.3	2.1	2.9	0.0	0.0	0.0	0.9	1.5	2.1	0.0	0.0	0.0
320	-157.	62.9	71.1	79.3	13.2	16.6	19.9	0.0	0.0	0.0	2.1	3.5	5.0	0.0	0.0	0.0
321	-162.	46.7	52.1	57.6	3.3	4.7	6.1	0.0	0.0	0.0	0.8	1.5	2.4	0.0	0.0	0.0
322	-166.	26.3	29.6	32.9	1.0	1.8	2.5	0.0	0.0	0.0	0.6	1.2	1.8	0.0	0.0	0.0
323	-170.	56.6	62.8	69.0	5.7	7.5	9.3	0.0	0.0	0.0	0.5	1.2	1.9	0.0	0.0	0.0
324	-175.	12.3	14.5	16.7	4.0	5.3	6.6	0.0	0.0	0.0	5.1	6.5	7.9	0.0	0.0	0.0
325	-179.	30.5	34.8	39.0	8.9	11.1	13.2	0.0	0.0	0.0	5.0	6.7	8.4	0.0	0.0	0.0
326	-184.	12.6	14.8	17.0	1.8	2.7	3.6	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0
327	-188.	7.3	9.1	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.0	0.0	0.0
328	-193.	5.1	6.5	7.9	1.0	1.8	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
329	-197.	11.2	13.3	15.4	0.2	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330	-202.	21.6	24.6	27.6	2.3	3.3	4.3	0.0	0.0	0.0	2.8	3.9	4.9	0.0	0.0	0.0
331	-206.	11.8	13.9	16.1	0.8	1.5	2.1	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0
332	-210.	42.7	47.1	51.5	1.5	2.4	3.2	0.0	0.0	0.0	0.2	0.6	1.0	0.0	0.0	0.0
333	-214.	70.0	78.8	87.6	1.2	2.4	3.6	0.0	0.0	0.0	0.3	1.2	2.0	0.0	0.0	0.0
334	-218.	19.4	22.2	25.0	0.2	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
335	-225.	32.4	36.7	41.1	0.0	0.4	0.8	0.0	0.0	0.0	7.5	9.5	11.5	0.0	0.0	0.0
336	-230.	9.6	11.8	14.1	0.0	0.4	0.8	0.0	0.0	0.0	1.1	2.0	2.9	0.0	0.0	0.0
337	-236.	2.3	3.3	4.3	0.2	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
338	-242.	10.7	12.7	14.8	0.2	0.6	1.0	0.0	0.0	0.0	0.6	1.2	1.8	0.0	0.0	0.0
339	-246.	10.7	12.7	14.8	0.2	0.6	1.0	0.0	0.0	0.0	0.8	1.5	2.1	0.0	0.0	0.0
340	-249.	27.6	31.6	35.6	6.4	8.3	10.2	0.0	0.0	0.0	1.4	2.4	3.3	0.0	0.0	0.0
341	-252.	18.5	22.5	26.5	4.5	6.5	8.5	0.0	0.0	0.0	2.1	3.5	5.0	0.0	0.0	0.0
342	-254.	31.6	35.9	40.3	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.6	4.8	0.0	0.0	0.0
343	-256.	49.6	55.3	61.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
344	-258.	17.2	19.8	22.5	0.2	0.6	1.0	0.0	0.0	0.0	0.8	1.5	2.1	0.0	0.0	0.0
345	-260.	46.3	51.7	57.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0
346	-262.	47.9	58.1	68.2	0.0	1.2	2.4	0.0	0.0	0.0	11.9	16.6	21.3	0.0	0.0	0.0
347	-264.	14.3	17.8	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
348	-266.	42.4	46.8	51.2	2.0	3.0	3.9	0.0	0.0	0.0	0.8	1.5	2.1	0.0	0.0	0.0
349	-268.	10.4	12.4	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0
350	-270.	6.1	7.9	9.7	0.0	0.4	0.8	0.0	0.0	0.0	2.7	3.9	5.2	0.0	0.0	0.0
351	-272.	18.9	22.1	25.3	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
352	-275.	2.3	3.3	4.3	0.0	0.0	0.0	0.0	0.0	0.0	3.5	4.7	5.9	0.0	0.0	0.0
353	-278.	5.5	7.1	8.6	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.1	5.3	0.0	0.0	0.0
354	-282.	37.9	43.8	49.8	2.5	4.1	5.7	0.0	0.0	0.0	2.1	3.5	5.0	0.0	0.0	0.0
355	-286.	5.4	6.8	8.3	0.2	0.6	1.0	0.0	0.0	0.0	1.3	2.1	2.9	0.0	0.0	0.0
356	-290.	23.6	27.3	30.9	0.2	0.8	1.4	0.0	0.0	0.0	0.5	1.2	1.9	0.0	0.0	0.0
357	-294.	10.6	13.6	16.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6	4.1	5.7	0.0	0.0	0.0
358	-299.	102.2	113.8	125.3	1.2	2.4	3.6	0.0	0.0	0.0	2.6	4.1	5.7	0.0	0.0	0.0
359		ERICACEAE			GRAMINEAE			CEREALIA			CYPERACEAE			ARTEMISIA		
360	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												

BLACK LOUGH 12(A)

DEPTH	SENECIO TYPE	MATRICARIA TYPE	RANUNCULUS TYPE	CALTHA	THALICTRUM
-152.	0.0	0.0	0.6	0.0	0.0
-157.	0.0	0.0	0.0	0.0	0.0
-162.	0.0	0.0	0.0	0.0	0.0
-166.	0.0	0.0	0.0	0.0	0.0
-170.	0.0	0.0	0.0	0.0	0.0
-175.	0.0	0.0	0.0	0.0	0.0
-179.	0.0	0.0	0.0	0.0	0.0
-184.	0.0	0.0	0.0	0.0	0.0
-188.	0.0	0.0	0.0	0.0	0.0
-193.	0.0	0.0	0.0	0.0	0.0
-197.	0.0	0.0	0.0	0.0	0.0
-202.	0.0	0.0	0.0	0.0	0.0
-206.	0.0	0.0	0.0	0.0	0.0
-210.	0.0	0.0	0.0	0.0	0.0
-214.	0.0	0.0	0.0	0.0	0.0
-218.	0.0	0.0	0.0	0.0	0.0

HELIANTHEMUM

DEPTH	POLLEN CONCENTRATION	CARYOPHYLLACEAE	CHENOPODIACEAE	ROSACEAE	FILIPENDULA
-152.	0.0	0.0	0.0	0.0	0.0
-157.	0.0	0.0	0.0	0.0	0.0
-162.	0.0	0.0	0.0	0.0	0.0
-166.	0.0	0.0	0.0	0.0	0.0
-170.	0.0	0.0	0.0	0.0	0.0
-175.	0.0	0.0	0.0	0.0	0.0
-179.	0.0	0.0	0.0	0.0	0.0
-184.	0.0	0.0	0.0	0.0	0.0
-188.	0.0	0.0	0.0	0.0	0.0
-193.	0.0	0.0	0.0	0.0	0.0
-197.	0.0	0.0	0.0	0.0	0.0
-202.	0.0	0.0	0.0	0.0	0.0
-206.	0.0	0.0	0.0	0.0	0.0
-210.	0.0	0.0	0.0	0.0	0.0
-214.	0.0	0.0	0.0	0.0	0.0
-218.	0.0	0.0	0.0	0.0	0.0

421	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
422	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
423	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
424	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
425	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
426	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
427	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
428	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
429	-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
430	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
431	-260.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
432	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
433	-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.9	7.8	0.0	0.0	0.0	0.0
434	-266.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
435	-268.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
436	-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
437	-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
438	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
439	-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
440	-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
441	-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
442	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
443	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
444	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
445		HELIANTHEMUM			CARYOPHYLLACEAE			CHENOPODIACEAE			ROSACEAE			FILIPENDULA			
446	0BLACK LOUGH 12(A)			POLLEN CONCENTRATION													
447	0DEPTH	POTENTILLA		TYPE	SAXIFRAGACEAE			UMBELLIFERAE			MERCURIALIS			POLYGONUM			
448	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
449	-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.0	0.0	0.0	0.3	1.2	2.0	0.0
450	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
451	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
452	-170.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
453	-175.	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.0	0.0
454	-179.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
455	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
456	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
457	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
458	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
459	-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0
460	-206.	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
461	-210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
462	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
463	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
464	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
465	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
466	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
467	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
468	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
469	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
470	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
471	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
472	-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
473	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
474	-260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
475	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
476	-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
477	-266.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
478	-268.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0
479	-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
480	-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

481	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
482	-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
483	-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
484	-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
485	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
486	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
487	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
488		POTENTILLA TYPE			SAXIFRAGACEAE			UMBELLIFERAE			MERCURIALIS			POLYGONUM		
489	OBLACK LOUGH 12(A)		POLLEN CONCENTRATION													
490	ODEPTH	RUMEX			CANNABIS			URTICA			GENTIANA			SCROPHULARIACEAE		
491	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
492	-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
493	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
494	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
495	-170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
496	-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
497	-179.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
498	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
499	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
500	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
501	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
502	-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
503	-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
504	-210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
505	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
506	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
507	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
508	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
509	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
510	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
511	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
512	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
513	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
514	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
515	-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
516	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
517	-260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
518	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
519	-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.8	2.8	0.0	0.0	0.0
520	-266.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
521	-268.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
522	-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
523	-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
524	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
525	-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
526	-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
527	-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
528	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
529	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
530	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
531		RUMEX			CANNABIS			URTICA			GENTIANA			SCROPHULARIACEAE		
532	OBLACK LOUGH 12(A)		POLLEN CONCENTRATION													
533	ODEPTH	CONVOLVULUS			PLANTAGO LANC.			PLANTAGO MAJ.MED.			PLANTAGO CORONOPUS			PLANTAGO MARITIMA		
534	-152.	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0
535	-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	0.0	0.0	0.0
536	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	1.9	0.0	0.0	0.0
537	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
538	-170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
539	-175.	0.0	0.0	0.0	0.8	1.5	2.1	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.3	0.6
540	-179.	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0

541	-184.	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
542	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
543	-193.	0.0	0.0	0.0	0.2	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
544	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
545	-202.	0.0	0.0	0.0	0.2	0.5	1.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	
546	-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
547	-210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
548	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
549	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
550	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
551	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	
552	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
553	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
554	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
555	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
556	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
557	-254.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	
558	-256.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
559	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
560	-260.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
561	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
562	-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
563	-266.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
564	-268.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
565	-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
566	-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
567	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
568	-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
569	-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
570	-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
571	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
572	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
573	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
574		CONVOLVULUS			PLANTAGO LANC.			PLANTAGO MAJ.MED.			PLANTAGO CORONOPUS			PLANTAGO MARITIMA			
575	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION													
576	ODEPTH	CAMPANULA			RUBIACEAE			NYMPHAEA			MYRIOPHYLLUM SPIC.			MYRIOPHYLLUM ALT.			
577	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
578	-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
579	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
580	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
581	-170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
582	-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
583	-179.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
584	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
585	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
586	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
587	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
588	-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
589	-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
590	-210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
591	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
592	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
593	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
594	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
595	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
596	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
597	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
598	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
599	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
600	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

BLACK LOUGH 12(A) POLLEN CONCENTRATION

DEPTH	POTAMOGETON	CAMPANULA	RUBIACEAE	LEMNA	POTAMOGETON	LEMNA	TYPHA ANGUST.	NYMPHAEA	TYPHA ANGUST.	LYCOPODIUM	MYRIOPHYLLUM SPIC.	ISOETES	MYRIOPHYLLUM ALT.
-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-266.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-268.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-179.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-245.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-265.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

0BLACK LOUGH 12(A) POLLEN CONCENTRATION

DEPTH	EQUISETUM			PTERIDIUM			POLYPODIUM			FILICALES			SPHAGNUM		
-152.	0.0	0.0	0.0	2.5	3.6	4.6	0.0	0.3	0.6	0.2	0.5	1.0	8.5	10.4	12.2
-157.	0.0	0.0	0.0	1.2	2.4	3.6	0.0	0.0	0.0	5.0	7.1	9.2	5.5	7.7	9.9
-162.	0.0	0.0	0.0	9.9	12.2	14.6	0.2	0.8	1.4	4.7	6.3	7.9	0.8	1.6	2.4
-166.	0.0	0.0	0.0	1.3	2.1	2.9	0.0	0.3	0.6	1.0	1.8	2.5	0.6	1.2	1.8
-170.	0.0	0.0	0.0	2.7	3.9	5.2	0.0	0.0	0.0	2.7	3.9	5.2	0.8	1.6	2.4
-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.6	1.2	1.8	3.5	4.7	5.9
-179.	0.0	0.0	0.0	2.0	3.2	4.3	0.0	0.0	0.0	2.4	3.6	4.8	3.3	4.7	6.1
-184.	0.0	0.0	0.0	5.6	7.1	8.6	0.0	0.0	0.0	0.4	0.9	1.4	1.3	2.1	2.9
-188.	0.0	0.0	0.0	3.4	4.7	6.0	0.0	0.0	0.0	0.9	1.7	2.5	25.6	29.1	32.6
-193.	0.0	0.0	0.0	1.8	2.7	3.6	0.0	0.0	0.0	0.6	1.2	1.8	1.8	2.7	3.6
-197.	0.0	0.0	0.0	0.8	1.5	2.1	0.2	0.6	1.0	0.8	1.5	2.1	6.1	7.7	9.3
-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.4	8.0	9.8	11.5
-205.	0.0	0.0	0.0	0.2	0.6	1.0	0.2	0.6	1.0	1.0	1.8	2.5	0.8	1.5	2.1
-210.	0.0	0.0	0.0	1.0	1.8	2.5	0.8	1.5	2.1	3.8	5.0	6.3	10.2	12.1	14.1
-214.	0.0	0.0	0.0	0.0	0.6	1.2	1.2	2.4	3.6	2.1	3.6	5.0	6.0	8.3	10.6
-218.	0.0	0.0	0.0	0.4	0.9	1.4	0.8	1.5	2.1	1.5	2.4	3.2	2.0	3.0	3.9
-225.	0.0	0.0	0.0	1.1	2.0	2.9	2.4	3.6	4.8	0.0	0.4	0.8	9.6	11.8	14.1
-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	2.4	3.6	4.8
-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.0	2.0	3.0	3.9
-242.	0.0	0.0	0.0	0.0	0.3	0.6	0.4	0.9	1.4	0.0	0.3	0.5	47.1	51.8	56.6
-246.	0.0	0.0	0.0	0.2	0.6	1.0	0.2	0.6	1.0	0.8	1.5	2.1	8.3	10.1	11.9
-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.2	0.8	1.4	59.6	66.0	72.4
-252.	0.0	0.0	0.0	1.2	2.4	3.6	0.7	1.8	2.8	0.7	1.8	2.8	146.6	161.8	176.9
-254.	0.0	0.0	0.0	1.1	2.0	2.9	0.5	1.2	1.9	2.7	3.9	5.2	18.9	22.1	25.3
-256.	0.0	0.0	0.0	0.0	0.4	0.8	0.5	1.2	1.9	1.1	2.0	2.9	7.5	9.5	11.5
-258.	0.0	0.0	0.0	0.0	0.3	0.6	1.0	1.8	2.5	1.8	2.7	3.6	1.5	2.4	3.2
-260.	0.0	0.0	0.0	0.2	0.8	1.4	0.5	1.2	1.9	1.7	2.8	3.8	21.4	24.9	28.3
-262.	0.0	0.0	0.0	3.2	5.9	8.6	3.2	5.9	8.6	17.9	23.7	29.5	101.7	118.5	135.3
-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	16.9	20.7	24.5
-266.	0.0	0.0	0.0	0.4	0.9	1.4	0.8	1.5	2.1	6.1	7.7	9.3	10.4	12.4	14.5
-268.	0.0	0.0	0.0	0.2	0.6	1.0	0.0	0.3	0.6	0.0	0.3	0.6	3.5	4.7	5.9
-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	2.0	3.2	4.3
-272.	0.0	0.0	0.0	0.2	0.8	1.4	0.2	0.8	1.4	0.2	0.8	1.4	16.4	19.4	22.3
-275.	0.0	0.0	0.0	0.2	0.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	3.9
-278.	0.0	0.0	0.0	0.8	1.5	2.1	0.2	0.6	1.0	1.0	1.8	2.5	8.3	10.1	11.9
-282.	0.0	0.0	0.0	0.3	1.2	2.0	0.0	0.6	1.2	1.6	3.0	4.3	5.0	7.1	9.2
-286.	0.0	0.0	0.0	0.2	0.6	1.0	0.6	1.2	1.8	2.8	3.9	4.9	0.2	0.6	1.0
-290.	0.0	0.0	0.0	0.8	1.6	2.4	0.5	1.2	1.9	2.0	3.2	4.3	1.1	2.0	2.9
-294.	0.0	0.0	0.0	0.0	0.6	1.2	0.0	0.6	1.2	2.6	4.1	5.7	10.1	13.0	16.0
-299.	0.0	0.0	0.0	1.6	3.0	4.3	0.3	1.2	2.0	12.7	16.0	19.3	10.1	13.0	16.0

	EQUISETUM	PTERIDIUM	POLYPODIUM	FILICALES	SPHAGNUM
1BLACK LOUGH 12(A) TOTAL CONCENTRATION (GRAINS X 1000 PER CC)					
0DEPTH					
-152.0	51.9	62.8	73.7		
-157.0	265.9	319.9	374.0		
-162.0	125.7	150.5	174.3		
-166.0	101.8	119.1	136.4		
-170.0	136.0	161.2	186.3		
-175.0	68.4	81.5	94.5		
-179.0	135.0	160.0	184.9		
-184.0	71.0	84.4	97.8		
-188.0	70.3	84.6	98.9		
-193.0	53.0	64.0	75.0		
-197.0	66.6	79.4	92.2		
-202.0	63.7	76.1	88.6		
-206.0	51.9	62.8	73.7		
-210.0	155.6	179.5	203.4		
-214.0	209.8	254.2	298.5		

721	-218.0	85.7	101.0	116.3
722	-225.0	131.6	156.0	180.5
723	-230.0	93.2	112.2	131.1
724	-236.0	14.1	19.3	24.4
725	-242.0	66.3	79.1	91.9
726	-246.0	63.4	75.8	88.2
727	-249.0	156.8	184.9	212.9
728	-252.0	149.8	183.7	217.6
729	-254.0	152.7	180.1	207.6
730	-256.0	149.9	177.0	204.0
731	-258.0	69.2	82.4	95.5
732	-260.0	143.3	169.5	195.6
733	-262.0	400.8	516.7	632.6
734	-264.0	163.4	199.7	235.9
735	-266.0	144.5	167.1	189.6
736	-268.0	50.4	61.0	71.7
737	-270.0	58.2	71.9	85.6
738	-272.0	116.3	138.6	160.9
739	-275.0	37.1	45.9	54.7
740	-278.0	64.5	77.0	89.6
741	-282.0	225.5	272.5	319.6
742	-285.0	76.3	90.4	104.4
743	-290.0	121.2	144.2	167.2
744	-294.0	147.3	180.7	214.2
745	-299.0	320.0	383.3	446.7

1781	OBLACK LOUGH 12(A)		%TOTAL LAND POLLEN													
1782	ODEPTH	BETULA			PINUS			POPULUS			ULMUS			QUERCUS		
1783	-152.	10.1	14.2	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.3	6.7
1784	-157.	7.7	10.0	12.8	0.0	0.2	1.0	0.0	0.0	0.0	0.2	0.6	1.6	3.8	5.4	7.6
1785	-162.	13.4	16.8	20.9	0.1	0.5	1.9	0.0	0.0	0.0	0.0	0.0	0.0	4.5	6.5	9.5
1786	-166.	5.7	8.0	11.0	0.0	0.2	1.4	0.0	0.0	0.0	0.4	1.0	2.5	5.9	9.2	11.3
1787	-170.	7.7	10.3	13.6	0.0	0.2	1.4	0.0	0.0	0.0	0.0	0.2	1.4	2.2	3.7	6.0
1788	-175.	6.8	9.8	13.9	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.1	3.2	4.2	6.5	10.1
1789	-179.	10.4	13.3	17.0	0.1	0.5	1.8	0.0	0.0	0.0	0.0	0.2	1.4	3.6	5.4	8.1
1790	-184.	14.8	18.9	23.9	0.1	0.4	2.0	0.0	0.0	0.0	0.1	0.4	2.0	5.3	9.1	13.0
1791	-188.	16.2	20.8	26.3	0.9	2.0	4.6	0.0	0.0	0.0	0.2	0.8	2.9	9.2	12.8	17.5
1792	-193.	11.5	15.7	21.2	0.1	0.5	2.6	0.0	0.0	0.0	0.1	0.5	2.6	7.2	10.6	15.5
1793	-197.	11.8	15.7	20.5	0.6	1.5	3.8	0.0	0.0	0.0	0.2	0.7	2.7	7.3	10.4	14.7
1794	-202.	9.0	12.5	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.2	4.2	6.5	10.3
1795	-206.	12.1	16.5	22.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.6	5.4	8.5	13.0
1796	-210.	4.6	6.3	8.5	0.6	1.2	2.4	0.0	0.0	0.0	0.5	1.0	2.1	6.2	8.1	10.5
1797	-214.	11.9	14.9	18.6	0.8	1.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0	5.5	7.7	10.6
1798	-218.	10.3	13.5	17.5	0.1	0.3	1.6	0.0	0.0	0.0	0.2	0.6	2.1	3.6	5.6	8.5
1799	-225.	11.8	14.9	18.3	0.4	1.0	2.6	0.0	0.0	0.0	0.4	1.0	2.6	8.4	11.1	14.6
1800	-230.	8.1	11.3	15.5	0.1	0.4	2.0	0.0	0.0	0.0	0.2	0.7	2.5	6.6	9.5	13.6

1801	-236.	9.7	16.9	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	9.2	18.7
1802	-242.	5.5	8.2	12.2	0.1	0.4	2.1	0.0	0.0	0.0	0.4	1.1	3.3	6.4	9.4	13.5
1803	-245.	6.4	9.4	13.6	0.2	0.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	5.4	8.2	12.2
1804	-249.	5.2	7.3	10.0	0.7	1.5	3.1	0.0	0.0	0.0	0.1	0.4	1.5	8.2	10.7	13.8
1805	-252.	11.0	14.5	18.9	0.5	1.3	3.3	0.0	0.0	0.0	0.1	0.3	1.8	3.5	5.5	8.6
1806	-254.	3.9	5.7	8.2	0.5	1.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	4.3	6.1	8.7
1807	-256.	6.1	8.3	11.2	0.2	0.7	2.0	0.0	0.0	0.0	0.2	0.7	2.0	5.7	7.8	10.7
1808	-258.	2.0	3.6	6.5	0.1	0.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	15.1	19.8
1809	-260.	6.3	8.6	11.7	0.4	0.9	2.4	0.0	0.0	0.0	0.1	0.5	1.7	6.1	8.4	11.4
1810	-262.	8.8	11.5	14.9	0.4	0.9	2.3	0.0	0.0	0.0	1.3	2.3	4.2	8.8	11.5	14.8
1811	-264.	7.1	9.8	13.4	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.0	7.9	19.8	24.0	28.9
1812	-266.	3.6	5.1	7.3	0.4	0.9	2.1	0.0	0.0	0.0	0.6	1.2	2.5	12.7	15.4	18.6
1813	-268.	6.8	10.2	15.1	0.0	0.0	0.0	0.0	0.0	0.0	3.7	6.3	10.5	10.8	15.0	20.6
1814	-270.	8.1	12.1	17.6	1.2	2.7	6.3	0.0	0.0	0.0	3.4	6.0	10.5	11.3	15.9	21.9
1815	-272.	11.2	14.5	18.6	1.0	2.0	4.1	0.0	0.0	0.0	2.2	3.7	6.2	14.3	17.9	22.3
1816	-275.	9.0	13.5	19.3	0.4	1.3	4.6	0.0	0.0	0.0	1.8	3.9	6.2	15.0	20.6	27.7
1817	-278.	10.8	14.6	19.4	0.1	0.4	2.1	0.0	0.0	0.0	2.9	5.0	8.4	9.5	13.1	17.7
1818	-282.	5.5	7.6	10.4	1.5	2.6	4.5	0.0	0.0	0.0	5.0	7.0	9.7	15.8	19.1	23.0
1819	-286.	10.4	13.8	18.1	0.7	1.6	3.8	0.0	0.0	0.0	4.5	6.9	10.3	8.9	12.1	16.3
1820	-290.	7.2	9.9	13.4	0.0	0.3	1.5	0.0	0.0	0.0	1.5	2.7	5.0	4.0	6.0	9.0
1821	-294.	4.8	7.2	10.7	0.2	0.7	2.4	0.0	0.0	0.0	4.3	6.6	9.9	12.7	16.4	21.0
1822	-299.	6.7	8.7	11.1	0.3	0.6	1.8	0.0	0.0	0.0	1.9	2.9	4.5	7.0	9.0	11.4
1823			BETULA			PINUS			POPULUS			ULMUS			QUERCUS	
1824	OBLACK LOUGH 12(A)			%TOTAL LAND		POLLEN										
1825	ODEPTH		TILIA			FRAXINUS			ALNUS			CORYLOID			JUNIPER	
1826	-152.	0.0	0.0	0.0	0.0	0.0	0.0	10.5	14.6	20.0	22.2	27.8	34.2	0.0	0.0	0.0
1827	-157.	0.0	0.0	0.0	0.2	0.6	1.6	12.9	15.7	19.1	31.8	35.7	39.9	0.0	0.0	0.0
1828	-162.	0.0	0.0	0.0	0.0	0.0	0.0	8.7	11.5	15.1	20.9	24.9	29.5	0.0	0.0	0.0
1829	-166.	0.0	0.0	0.0	0.1	0.5	1.8	17.4	21.1	25.4	27.5	31.8	36.5	0.0	0.0	0.0
1830	-170.	0.0	0.0	0.0	0.0	0.0	0.0	13.8	17.2	21.1	16.9	20.6	24.8	0.0	0.0	0.0
1831	-175.	0.0	0.0	0.0	0.0	0.0	0.0	20.3	25.1	30.5	15.0	19.3	24.3	0.0	0.0	0.0
1832	-179.	0.0	0.0	0.0	0.0	0.0	0.0	12.8	16.6	19.9	24.2	28.4	33.0	0.0	0.0	0.0
1833	-184.	0.0	0.0	0.0	0.0	0.0	0.0	18.6	23.2	28.4	21.2	26.0	31.4	0.0	0.0	0.0
1834	-188.	0.1	0.4	2.2	0.0	0.0	0.0	16.9	21.6	27.1	24.7	30.0	35.9	0.0	0.0	0.0
1835	-193.	0.0	0.0	0.0	0.0	0.0	0.0	16.0	20.8	26.7	30.9	37.0	43.7	0.0	0.0	0.0
1836	-197.	0.0	0.0	0.0	0.0	0.0	0.0	16.1	20.5	25.8	28.2	33.6	39.4	0.0	0.0	0.0
1837	-202.	0.0	0.0	0.0	0.1	0.4	2.2	9.6	13.2	17.9	17.9	22.5	28.1	0.1	0.4	2.2
1838	-208.	0.0	0.0	0.0	0.3	0.9	3.4	12.9	17.5	23.1	24.8	30.7	37.2	0.0	0.0	0.0
1839	-210.	0.1	0.3	1.2	0.0	0.0	0.0	13.9	16.7	19.8	34.0	37.8	41.7	0.0	0.0	0.0
1840	-214.	0.0	0.0	0.0	0.0	0.0	0.0	15.9	19.3	23.4	20.0	23.8	28.0	0.0	0.0	0.0
1841	-218.	0.2	0.6	2.1	0.0	0.0	0.0	15.2	19.1	23.6	31.7	36.7	41.9	0.0	0.0	0.0
1842	-225.	0.0	0.3	1.4	0.0	0.0	0.0	15.9	19.5	23.7	17.1	20.8	25.0	0.0	0.0	0.0
1843	-230.	0.0	0.0	0.0	0.0	0.0	0.0	26.2	31.3	37.0	27.9	33.1	38.8	0.0	0.0	0.0
1844	-236.	0.0	0.0	0.0	0.0	0.0	0.0	17.0	26.2	38.0	18.3	27.7	39.6	0.0	0.0	0.0
1845	-242.	0.0	0.0	0.0	0.0	0.0	0.0	24.1	29.2	34.9	28.0	33.4	39.2	0.0	0.0	0.0
1846	-246.	0.0	0.0	0.0	0.0	0.0	0.0	23.3	28.5	34.3	23.1	33.6	39.6	0.0	0.0	0.0
1847	-249.	0.0	0.0	0.0	0.0	0.0	0.0	25.1	29.1	33.3	23.9	27.8	32.0	0.0	0.0	0.0
1848	-252.	0.1	0.3	1.8	0.0	0.0	0.0	23.4	28.1	33.3	26.1	31.0	36.3	0.0	0.0	0.0
1849	-254.	0.0	0.2	1.2	0.0	0.0	0.0	23.9	27.9	32.1	32.3	36.6	41.1	0.0	0.0	0.0
1850	-256.	0.1	0.4	1.5	0.0	0.0	0.0	21.8	25.7	29.9	20.6	24.3	28.5	0.0	0.0	0.0
1851	-258.	0.0	0.0	0.0	0.0	0.0	0.0	21.1	25.9	31.4	23.4	28.4	34.0	0.0	0.0	0.0
1852	-260.	0.0	0.0	0.0	0.0	0.0	0.0	18.0	21.7	25.8	23.7	27.7	32.2	0.0	0.0	0.0
1853	-262.	0.0	0.0	0.0	0.0	0.0	0.0	19.4	23.2	27.3	31.6	36.0	40.6	0.0	0.0	0.0
1854	-264.	0.1	0.3	1.7	0.0	0.0	0.0	17.6	21.7	26.4	21.4	25.8	30.7	0.0	0.0	0.0
1855	-266.	0.1	0.4	1.3	0.0	0.0	0.0	13.3	16.1	19.4	26.0	29.6	33.5	0.0	0.0	0.0
1856	-268.	0.0	0.0	0.0	0.0	0.0	0.0	15.0	19.9	25.9	20.2	25.7	32.1	0.0	0.0	0.0
1857	-270.	0.0	0.0	0.0	0.0	0.0	0.0	9.9	14.3	20.1	25.0	31.3	38.4	0.0	0.0	0.0
1858	-272.	0.2	0.6	2.1	0.1	0.3	1.6	11.7	15.1	19.2	24.3	28.8	33.7	0.0	0.0	0.0
1859	-275.	0.0	0.0	0.0	0.0	0.0	0.0	17.8	23.9	31.2	13.9	19.4	26.3	0.0	0.0	0.0
1860	-278.	0.0	0.0	0.0	0.0	0.0	0.0	15.9	20.4	25.7	26.2	31.5	37.4	0.0	0.0	0.0

1861	-282.	0.0	0.2	1.2	0.0	0.2	1.2	15.6	18.9	22.7	21.3	25.0	29.2	0.0	0.0	0.0
1862	-286.	0.0	0.0	0.0	0.1	0.3	1.8	23.1	27.9	33.2	21.9	26.6	31.8	0.0	0.0	0.0
1863	-290.	0.0	0.0	0.0	0.0	0.0	0.0	28.8	33.4	38.4	23.1	27.4	32.2	0.0	0.0	0.0
1864	-294.	0.0	0.0	0.0	0.0	0.0	0.0	21.9	26.6	31.8	27.8	32.8	38.2	0.0	0.0	0.0
1865	-299.	0.0	0.2	0.9	0.0	0.0	0.0	15.5	18.2	21.4	25.5	28.9	32.5	0.0	0.0	0.0
1866		TILIA			FRAXINUS			ALNUS			CORYLOID			JUNIPER		
1867	OBLACK LOUGH 12(A)			%TOTAL LAND	POLLEN											
1868	ODEPTH	SALIX			HEDERA			VIBURNUM			HYPERICUM			EMPETRUM		
1869	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1870	-157.	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.0	3.8
1871	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1872	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	3.6
1873	-170.	0.0	0.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	3.2
1874	-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1875	-179.	0.0	0.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1876	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	2.5
1877	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.2	0.0	0.0	0.0
1878	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.5
1879	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1880	-202.	0.2	0.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1881	-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1882	-210.	0.0	0.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9
1883	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1884	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	3.0
1885	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	3.3
1886	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.0
1887	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1888	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1889	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
1890	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.2
1891	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1892	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1893	-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.6
1894	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1895	-260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	2.0
1896	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1897	-264.	0.2	0.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1898	-266.	0.2	0.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1899	-268.	0.3	1.0	3.5	0.1	0.5	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1900	-270.	0.1	0.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1901	-272.	0.2	0.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.6
1902	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1903	-278.	0.1	0.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1904	-282.	0.0	0.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.2	0.0	0.0	0.0
1905	-286.	0.1	0.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1906	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1907	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1908	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1909		SALIX			HEDERA			VIBURNUM			HYPERICUM			EMPETRUM		
1910	OBLACK LOUGH 12(A)			%TOTAL LAND	POLLEN											
1911	ODEPTH	ERICACEAE			GRAMINEAE			CEREALIA			CYPERACEAE			ARTEMISIA		
1912	-152.	27.0	33.0	39.6	1.6	3.3	6.7	0.0	0.0	0.0	1.0	2.4	5.4	0.0	0.0	0.0
1913	-157.	18.9	22.2	25.9	3.6	5.2	7.4	0.0	0.0	0.0	0.5	1.1	2.4	0.0	0.0	0.0
1914	-162.	30.0	34.6	39.6	1.8	3.1	5.4	0.0	0.0	0.0	0.4	1.0	2.7	0.0	0.0	0.0
1915	-166.	20.9	24.9	29.3	0.7	1.5	3.2	0.0	0.0	0.0	0.4	1.0	2.5	0.0	0.0	0.0
1916	-170.	34.4	39.0	43.8	3.0	4.7	7.2	0.0	0.0	0.0	0.3	0.7	2.1	0.0	0.0	0.0
1917	-175.	13.7	17.8	22.8	4.2	6.5	10.1	0.0	0.0	0.0	5.3	8.0	11.8	0.0	0.0	0.0
1918	-179.	18.0	21.7	26.0	4.8	6.9	9.8	0.0	0.0	0.0	2.5	4.2	6.6	0.0	0.0	0.0
1919	-184.	13.6	17.5	22.4	1.7	3.2	5.9	0.0	0.0	0.0	0.1	0.4	2.0	0.0	0.0	0.0
1920	-188.	7.5	10.8	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.2	0.0	0.0	0.0

1921	-193.	6.8	10.2	14.9	1.3	2.8	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1922	-197.	12.8	16.8	21.7	0.2	0.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1923	-202.	26.9	32.3	38.2	2.4	4.3	7.5	0.0	0.0	0.0	3.0	5.1	8.5	0.0	0.0	0.0	0.0	0.0
1924	-206.	17.1	22.2	28.2	1.0	2.4	5.4	0.0	0.0	0.0	0.1	0.5	2.6	0.0	0.0	0.0	0.0	0.0
1925	-210.	22.9	26.2	29.9	0.7	1.3	2.6	0.0	0.0	0.0	0.1	0.3	1.2	0.0	0.0	0.0	0.0	0.0
1926	-214.	26.8	31.0	35.5	0.4	0.9	2.4	0.0	0.0	0.0	0.1	0.5	1.7	0.0	0.0	0.0	0.0	0.0
1927	-218.	17.9	22.0	26.7	0.2	0.6	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1928	-225.	19.6	23.5	28.0	0.0	0.3	1.4	0.0	0.0	0.0	4.1	6.1	8.9	0.0	0.0	0.0	0.0	0.0
1929	-230.	7.5	10.6	14.7	0.1	0.4	2.0	0.0	0.0	0.0	0.8	1.8	4.1	0.0	0.0	0.0	0.0	0.0
1930	-236.	9.7	16.9	27.8	0.8	3.1	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1931	-242.	12.2	16.1	21.0	0.2	0.7	2.7	0.0	0.0	0.0	0.6	1.6	3.8	0.0	0.0	0.0	0.0	0.0
1932	-246.	12.7	16.8	21.9	0.2	0.8	2.8	0.0	0.0	0.0	0.8	2.0	4.5	0.0	0.0	0.0	0.0	0.0
1933	-249.	14.0	17.1	20.8	3.0	4.5	6.8	0.0	0.0	0.0	0.6	1.3	2.8	0.0	0.0	0.0	0.0	0.0
1934	-252.	9.1	12.3	16.4	2.0	3.5	6.2	0.0	0.0	0.0	0.9	1.9	4.2	0.0	0.0	0.0	0.0	0.0
1935	-254.	16.5	20.0	23.9	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.9	5.7	0.0	0.0	0.0	0.0	0.0
1936	-256.	27.1	31.3	35.7	0.0	0.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1937	-258.	19.4	24.1	29.5	0.2	0.7	2.6	0.0	0.0	0.0	0.8	1.8	4.1	0.0	0.0	0.0	0.0	0.0
1938	-260.	26.4	30.5	35.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	1.7	0.0	0.0	0.0	0.0	0.0
1939	-262.	8.6	11.2	14.6	0.0	0.2	1.3	0.0	0.0	0.0	1.9	3.2	5.3	0.0	0.0	0.0	0.0	0.0
1940	-264.	6.3	8.9	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1941	-266.	24.5	28.0	31.9	1.0	1.8	3.2	0.0	0.0	0.0	0.4	0.9	2.1	0.0	0.0	0.0	0.0	0.0
1942	-268.	15.5	20.4	26.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.7	0.0	0.0	0.0	0.0	0.0
1943	-270.	7.2	11.0	16.4	0.1	0.5	3.0	0.0	0.0	0.0	3.0	5.5	9.8	0.0	0.0	0.0	0.0	0.0
1944	-272.	12.5	16.0	20.2	0.1	0.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1945	-275.	4.0	7.1	12.3	0.0	0.0	0.0	0.0	0.0	0.0	6.5	10.3	16.1	0.0	0.0	0.0	0.0	0.0
1946	-278.	6.3	9.2	13.4	0.0	0.0	0.0	0.0	0.0	0.0	3.2	5.4	8.8	0.0	0.0	0.0	0.0	0.0
1947	-282.	13.0	16.1	19.7	0.7	1.5	3.1	0.0	0.0	0.0	0.6	1.3	2.6	0.0	0.0	0.0	0.0	0.0
1948	-286.	5.1	7.5	11.1	0.2	0.7	2.4	0.0	0.0	0.0	1.1	2.3	4.7	0.0	0.0	0.0	0.0	0.0
1949	-290.	15.2	18.9	23.2	0.2	0.5	2.0	0.0	0.0	0.0	0.5	0.8	2.4	0.0	0.0	0.0	0.0	0.0
1950	-294.	5.1	7.5	11.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.3	4.7	0.0	0.0	0.0	0.0	0.0
1951	-299.	26.3	29.7	33.3	0.2	0.6	1.6	0.0	0.0	0.0	0.5	1.1	2.2	0.0	0.0	0.0	0.0	0.0
1952		ERICACEAE			GRAMINEAE			CEREALIA			CYPERACEAE			ARTEMISIA				
1953	ORLACK LOUGH 12(A)			%TOTAL LAND	POLLEN													
1954	ODEPTH	SENECIO TYPE			MATRICARIA TYPE			RANUNCULUS TYPE			CALTHA			THALICTRUM				
1955	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1956	-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1957	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1958	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1959	-170.	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	2.1	0.3	0.7	2.1	0.0	0.0	0.0	0.0	0.0
1960	-175.	0.0	0.0	0.0	0.1	0.4	2.0	0.1	0.4	2.0	0.1	0.4	2.0	0.0	0.0	0.0	0.0	0.0
1961	-179.	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	2.9	0.3	0.7	2.2	0.0	0.0	0.0	0.0	0.0
1962	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1963	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1964	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1965	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1966	-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1967	-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1968	-210.	0.1	0.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1969	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1970	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1971	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1972	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1973	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1974	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1975	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1976	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1977	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.0	2.8	0.1	0.3	1.8	0.0	0.0	0.0	0.0	0.0
1978	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1979	-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1980	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1981	-260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1982	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1983	-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1984	-266.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1985	-268.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1986	-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1987	-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1988	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1989	-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1991	-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1992	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1993	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1994	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1995		SENECIO TYPE			MATRICARIA TYPE			RANUNCULUS TYPE			CALTHA			THALICTRUM				
1996	OBLACK LOUGH 12(A)		%TOTAL LAND POLLEN															
1997	ODEPTH	HELIANTHEMUM			CARYOPHYLLACEAE			CHENOPODIACEAE			ROSACEAE			FILIPENDULA				
1998	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1999	-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	0.0	0.2	1.0	0.0	0.0
2000	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2001	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2002	-170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2003	-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	2.6	0.0	0.0	0.0	0.0	0.0
2004	-179.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2005	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2006	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2007	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.6	0.0	0.0	0.0	0.0	0.0
2008	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2009	-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2010	-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	-210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2012	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2013	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2014	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2015	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2016	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2017	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2018	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2019	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2020	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2021	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2022	-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2023	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2024	-260.	0.0	0.0	0.0	0.0	0.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2025	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2026	-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.0	5.4	0.0	0.0	0.0	0.0	0.0
2027	-266.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2028	-268.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2029	-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2030	-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2031	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2032	-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2033	-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2034	-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2035	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2036	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2037	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2038		HELIANTHEMUM			CARYOPHYLLACEAE			CHENOPODIACEAE			ROSACEAE			FILIPENDULA				
2039	OBLACK LOUGH 12(A)		%TOTAL LAND POLLEN															
2040	ODEPTH	POTENTILLA TYPE			SAXIFRAGACEAE			UMBELLIFERAE			MERCURIALIS			POLYGONUM				

2041	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2042	-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0	0.0	0.0	0.0	0.1	0.4	1.3	0.0	0.0
2043	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2044	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2045	-170.	0.0	0.0	0.0	0.0	0.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2046	-175.	0.0	0.0	0.0	0.1	0.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	2.6	0.0	0.0
2047	-179.	0.0	0.0	0.0	0.0	0.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2048	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2049	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2050	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2051	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2052	-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.2	0.0	0.0	0.0	0.0	0.0
2053	-206.	0.0	0.0	0.0	0.1	0.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2054	-210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2055	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2056	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2057	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2058	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2059	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2060	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2061	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2062	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2063	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2064	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2065	-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2066	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2067	-260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2068	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2069	-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2070	-266.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2071	-268.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	2.7	0.0	0.0
2072	-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2073	-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2074	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2075	-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2076	-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2077	-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2078	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2079	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2080	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2081		POTENTILLA TYPE			SAXIFRAGACEAE			UMBELLIFERAE			MERCURIALIS			POLYGONUM				
2082	@BLACK LOUGH 12(A)	%TOTAL LAND POLLEN																
2083	@DEPTH	RUMEX			CANNABIS			URTICA			GENTIANA			SCROPHULARIACEAE				
2084	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2085	-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2086	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2087	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2088	-170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2089	-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2090	-179.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2091	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2092	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2093	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2094	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2095	-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2096	-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2097	-210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2098	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2099	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2100	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

DEPTH	BLACK LOUGH 12(A)	CONVOLVULUS	%TOTAL LAND POLLEN	CANNABIS	PLANTAGO LANC.	RUMEX	URTICA	PLANTAGO MAJ.MED.	GENTIANA	PLANTAGO CORONOPUS	SCROPHULARIACEAE	PLANTAGO MARITIMA
2101	0	0	0	0	0	0	0	0	0	0	0	0
2102	0	0	0	0	0	0	0	0	0	0	0	0
2103	0	0	0	0	0	0	0	0	0	0	0	0
2104	0	0	0	0	0	0	0	0	0	0	0	0
2105	0	0	0	0	0	0	0	0	0	0	0	0
2106	0	0	0	0	0	0	0	0	0	0	0	0
2107	0	0	0	0	0	0	0	0	0	0	0	0
2108	0	0	0	0	0	0	0	0	0	0	0	0
2109	0	0	0	0	0	0	0	0	0	0	0	0
2110	0	0	0	0	0	0	0	0	0	0	0	0
2111	0	0	0	0	0	0	0	0	0	0	0	0
2112	0	0	0	0	0	0	0	0	0	0	0	0
2113	0	0	0	0	0	0	0	0	0	0	0	0
2114	0	0	0	0	0	0	0	0	0	0	0	0
2115	0	0	0	0	0	0	0	0	0	0	0	0
2116	0	0	0	0	0	0	0	0	0	0	0	0
2117	0	0	0	0	0	0	0	0	0	0	0	0
2118	0	0	0	0	0	0	0	0	0	0	0	0
2119	0	0	0	0	0	0	0	0	0	0	0	0
2120	0	0	0	0	0	0	0	0	0	0	0	0
2121	0	0	0	0	0	0	0	0	0	0	0	0
2122	0	0	0	0	0	0	0	0	0	0	0	0
2123	0	0	0	0	0	0	0	0	0	0	0	0
2124	0	0	0	0	0	0	0	0	0	0	0	0
2125	0	0	0	0	0	0	0	0	0	0	0	0
2126	0	0	0	0	0	0	0	0	0	0	0	0
2127	0	0	0	0	0	0	0	0	0	0	0	0
2128	0	0	0	0	0	0	0	0	0	0	0	0
2129	0	0	0	0	0	0	0	0	0	0	0	0
2130	0	0	0	0	0	0	0	0	0	0	0	0
2131	0	0	0	0	0	0	0	0	0	0	0	0
2132	0	0	0	0	0	0	0	0	0	0	0	0
2133	0	0	0	0	0	0	0	0	0	0	0	0
2134	0	0	0	0	0	0	0	0	0	0	0	0
2135	0	0	0	0	0	0	0	0	0	0	0	0
2136	0	0	0	0	0	0	0	0	0	0	0	0
2137	0	0	0	0	0	0	0	0	0	0	0	0
2138	0	0	0	0	0	0	0	0	0	0	0	0
2139	0	0	0	0	0	0	0	0	0	0	0	0
2140	0	0	0	0	0	0	0	0	0	0	0	0
2141	0	0	0	0	0	0	0	0	0	0	0	0
2142	0	0	0	0	0	0	0	0	0	0	0	0
2143	0	0	0	0	0	0	0	0	0	0	0	0
2144	0	0	0	0	0	0	0	0	0	0	0	0
2145	0	0	0	0	0	0	0	0	0	0	0	0
2146	0	0	0	0	0	0	0	0	0	0	0	0
2147	0	0	0	0	0	0	0	0	0	0	0	0
2148	0	0	0	0	0	0	0	0	0	0	0	0
2149	0	0	0	0	0	0	0	0	0	0	0	0
2150	0	0	0	0	0	0	0	0	0	0	0	0
2151	0	0	0	0	0	0	0	0	0	0	0	0
2152	0	0	0	0	0	0	0	0	0	0	0	0
2153	0	0	0	0	0	0	0	0	0	0	0	0
2154	0	0	0	0	0	0	0	0	0	0	0	0
2155	0	0	0	0	0	0	0	0	0	0	0	0
2156	0	0	0	0	0	0	0	0	0	0	0	0
2157	0	0	0	0	0	0	0	0	0	0	0	0
2158	0	0	0	0	0	0	0	0	0	0	0	0
2159	0	0	0	0	0	0	0	0	0	0	0	0
2160	0	0	0	0	0	0	0	0	0	0	0	0
2162	0	0	0	0	0	0	0	0	0	0	0	0
2164	0	0	0	0	0	0	0	0	0	0	0	0
2166	0	0	0	0	0	0	0	0	0	0	0	0
2168	0	0	0	0	0	0	0	0	0	0	0	0
2170	0	0	0	0	0	0	0	0	0	0	0	0
2172	0	0	0	0	0	0	0	0	0	0	0	0
2174	0	0	0	0	0	0	0	0	0	0	0	0
2176	0	0	0	0	0	0	0	0	0	0	0	0
2178	0	0	0	0	0	0	0	0	0	0	0	0
2180	0	0	0	0	0	0	0	0	0	0	0	0
2182	0	0	0	0	0	0	0	0	0	0	0	0
2184	0	0	0	0	0	0	0	0	0	0	0	0
2186	0	0	0	0	0	0	0	0	0	0	0	0
2188	0	0	0	0	0	0	0	0	0	0	0	0
2190	0	0	0	0	0	0	0	0	0	0	0	0
2192	0	0	0	0	0	0	0	0	0	0	0	0
2194	0	0	0	0	0	0	0	0	0	0	0	0
2196	0	0	0	0	0	0	0	0	0	0	0	0
2198	0	0	0	0	0	0	0	0	0	0	0	0
2200	0	0	0	0	0	0	0	0	0	0	0	0
2202	0	0	0	0	0	0	0	0	0	0	0	0
2204	0	0	0	0	0	0	0	0	0	0	0	0
2206	0	0	0	0	0	0	0	0	0	0	0	0
2208	0	0	0	0	0	0	0	0	0	0	0	0
2210	0	0	0	0	0	0	0	0	0	0	0	0
2212	0	0	0	0	0	0	0	0	0	0	0	0
2214	0	0	0	0	0	0	0	0	0	0	0	0
2216	0	0	0	0	0	0	0	0	0	0	0	0
2218	0	0	0	0	0	0	0	0	0	0	0	0
2220	0	0	0	0	0	0	0	0	0	0	0	0
2222	0	0	0	0	0	0	0	0	0	0	0	0
2224	0	0	0	0	0	0	0	0	0	0	0	0
2226	0	0	0	0	0	0	0	0	0	0	0	0
2228	0	0	0	0	0	0	0	0	0	0	0	0
2230	0	0	0	0	0	0	0	0	0	0	0	0
2232	0	0	0	0	0	0	0	0	0	0	0	0
2234	0	0	0	0	0	0	0	0	0	0	0	0
2236	0	0	0	0	0	0	0	0	0	0	0	0
2238	0	0	0	0	0	0	0	0	0	0	0	0
2240	0	0	0	0	0	0	0	0	0	0	0	0
2242	0	0	0	0	0	0	0	0	0	0	0	0
2244	0	0	0	0	0	0	0	0	0	0	0	0
2246	0	0	0	0	0	0	0	0	0	0	0	0
2248	0	0	0	0	0	0	0	0	0	0	0	0
2250	0	0	0	0	0	0	0	0	0	0	0	0
2252	0	0	0	0	0	0	0	0	0	0	0	0
2254	0	0	0	0	0	0	0	0	0	0	0	0
2256	0	0	0	0	0	0	0	0	0	0	0	0
2258	0	0	0	0	0	0	0	0	0	0	0	0
2260	0	0	0	0	0	0	0	0	0	0	0	0
2262	0	0	0	0	0	0	0	0	0	0	0	0
2264	0	0	0	0	0	0	0	0	0	0	0	0
2266	0	0	0	0	0	0	0	0	0	0	0	0
2268	0	0	0	0	0	0	0	0	0	0	0	0
2270	0	0	0	0	0	0	0	0	0	0	0	0
2272	0	0	0	0	0	0	0	0	0	0	0	0
2274	0	0	0	0	0	0	0	0	0	0	0	0
2275	0	0	0	0	0	0	0	0	0	0	0	0

2161	-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2162	-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2163	-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2164	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2165	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2166	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2167		CONVOLVULUS			PLANTAGO LANC.			PLANTAGO MAJ.MED.			PLANTAGO CORONOPUS			PLANTAGO MARITIMA					
2168	OBLACK LOUGH 12(A)			%TOTAL LAND	POLLEN														
2169	ODEPTH	CAMPANULA			RUBIACEAE			NYMPHAEA			MYRIOPHYLLUM SPIC.			MYRIOPHYLLUM ALT.					
2170	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2171	-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2172	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2173	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2174	-170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2175	-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2176	-179.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2177	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2178	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2179	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2180	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2181	-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2182	-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2183	-210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2184	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2185	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2186	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2187	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2188	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2189	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2190	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2191	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2192	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2193	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2194	-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2195	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2196	-260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2197	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2198	-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2199	-266.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2200	-268.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2201	-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2202	-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2203	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2204	-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2205	-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2206	-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2207	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2208	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2209	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2210		CAMPANULA			RUBIACEAE			NYMPHAEA			MYRIOPHYLLUM SPIC.			MYRIOPHYLLUM ALT.					
2211	OBLACK LOUGH 12(A)			%TOTAL LAND	POLLEN														
2212	ODEPTH	POTAMOGETON			LEMNA			TYPHA ANGUST.			LYCOPODIUM			ISOETES					
2213	-152.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2214	-157.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2215	-162.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2216	-166.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2217	-170.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2218	-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2219	-179.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2220	-184.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

2221	-188.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2222	-193.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2223	-197.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2224	-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2225	-206.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2226	-210.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2227	-214.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2228	-218.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2229	-225.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.4	0.0	0.0	0.0	0.0
2230	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2231	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2232	-242.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2233	-246.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2234	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2235	-252.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2236	-254.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2237	-256.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2238	-258.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2239	-260.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2240	-262.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2241	-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2242	-266.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2243	-268.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2244	-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2245	-272.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2246	-275.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	3.6	0.0	0.0	0.0	0.0
2247	-278.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2248	-282.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2249	-286.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2250	-290.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2251	-294.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2252	-299.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2253		POTAMOGETON			LEMNA			TYPHA ANGUST.			LYCOPODIUM			ISOETES				
2254	OBLACK LOUGH 12(A)		%TOTAL LAND		POLLEN													
2255	ODEPTH	EQUISETUM			PTERIDIUM			POLYPODIUM			FILICALES			SPHAGNUM				
2256	-152.	0.0	0.0	0.0	3.1	5.7	9.8	0.1	0.5	2.6	0.2	0.9	3.4	11.2	16.5	23.0		
2257	-157.	0.0	0.0	0.0	0.3	0.7	1.9	0.0	0.0	0.0	1.2	2.2	3.9	1.4	2.4	4.1		
2258	-162.	0.0	0.0	0.0	5.6	8.1	11.5	0.1	0.5	1.9	2.5	4.2	6.6	0.4	1.0	2.7		
2259	-166.	0.0	0.0	0.0	0.8	1.7	3.6	0.0	0.2	1.4	0.7	1.5	3.2	0.4	1.0	2.5		
2260	-170.	0.0	0.0	0.0	1.3	2.5	4.5	0.0	0.0	0.0	1.3	2.5	4.5	0.4	1.0	2.5		
2261	-175.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.0	0.5	1.6	3.7	3.5	5.8	9.4		
2262	-179.	0.0	0.0	0.0	1.0	2.0	3.9	0.0	0.0	0.0	1.1	2.2	4.2	1.7	3.0	5.2		
2263	-184.	0.0	0.0	0.0	5.4	8.4	12.5	0.0	0.0	0.0	0.3	1.1	3.1	1.2	2.5	5.0		
2264	-188.	0.0	0.0	0.0	3.2	5.6	9.3	0.0	0.0	0.0	0.8	2.0	4.6	26.3	34.4	43.0		
2265	-193.	0.0	0.0	0.0	2.1	4.2	7.8	0.0	0.0	0.0	0.7	1.9	4.7	2.1	4.2	7.8		
2266	-197.	0.0	0.0	0.0	0.8	1.9	4.3	0.2	0.7	2.7	0.8	1.9	4.3	5.4	9.7	14.2		
2267	-202.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	3.4	8.7	12.8	18.0		
2268	-206.	0.0	0.0	0.0	0.2	0.9	3.4	0.2	0.9	3.4	1.2	2.8	6.1	1.0	2.4	5.4		
2269	-210.	0.0	0.0	0.0	0.4	1.0	2.2	0.3	0.8	1.9	1.7	2.8	4.5	4.9	6.8	9.3		
2270	-214.	0.0	0.0	0.0	0.0	0.2	1.3	0.4	0.9	2.4	0.6	1.4	3.0	1.9	3.3	5.5		
2271	-218.	0.0	0.0	0.0	0.3	0.9	2.6	0.5	1.5	3.4	1.2	2.3	4.6	1.6	2.9	5.4		
2272	-225.	0.0	0.0	0.0	0.5	1.3	2.9	1.2	2.3	4.3	0.0	0.3	1.4	5.2	7.6	10.8		
2273	-230.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.0	1.6	3.2	6.0		
2274	-236.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.1	10.6	7.3	15.4	27.4		
2275	-242.	0.0	0.0	0.0	0.1	0.4	2.1	0.4	1.1	3.3	0.1	0.4	2.1	53.0	65.5	77.7		
2276	-246.	0.0	0.0	0.0	0.2	0.8	2.8	0.2	0.8	2.8	0.8	2.0	4.5	9.1	13.3	18.6		
2277	-249.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.2	0.1	0.4	1.5	29.5	35.7	42.1		
2278	-252.	0.0	0.0	0.0	0.5	1.3	3.3	0.3	1.0	2.8	0.3	1.0	2.8	73.4	86.1	101.8		
2279	-254.	0.0	0.0	0.0	0.5	1.1	2.6	0.2	0.7	1.9	1.2	2.2	4.0	9.2	12.3	16.0		
2280	-256.	0.0	0.0	0.0	0.0	0.2	1.3	0.2	0.7	2.0	0.5	1.1	2.6	3.5	5.4	8.0		

2281	-258.	0.0	0.0	0.0	0.1	0.4	2.0	1.0	2.2	4.7	1.6	3.2	6.1	1.4	2.9	5.6
2282	-260.	0.0	0.0	0.0	0.1	0.5	1.7	0.2	0.7	2.0	0.8	1.6	3.3	11.1	14.7	18.9
2283	-262.	0.0	0.0	0.0	0.5	1.1	2.7	0.5	1.1	2.7	2.9	4.6	7.1	18.2	22.9	28.1
2284	-264.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	3.0	7.2	10.4	14.5
2285	-266.	0.0	0.0	0.0	0.2	0.5	1.6	0.4	0.9	2.1	3.1	4.6	6.7	5.4	7.4	10.1
2286	-268.	0.0	0.0	0.0	0.3	1.0	3.5	0.1	0.5	2.7	0.1	0.5	2.7	4.6	7.8	12.5
2287	-270.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.1	3.9	2.1	4.4	8.6
2288	-272.	0.0	0.0	0.0	0.2	0.6	2.1	0.2	0.6	2.1	0.2	0.6	2.1	10.2	14.0	18.5
2289	-275.	0.0	0.0	0.0	0.3	1.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.5	11.7
2290	-278.	0.0	0.0	0.0	0.8	1.9	4.5	0.2	0.8	2.8	1.0	2.3	5.0	9.0	13.1	18.3
2291	-282.	0.0	0.0	0.0	0.1	0.4	1.6	0.0	0.2	1.2	0.5	1.1	2.5	1.5	2.6	4.5
2292	-286.	0.0	0.0	0.0	0.2	0.7	2.4	0.5	1.3	3.3	2.4	4.3	7.2	0.2	0.7	2.4
2293	-290.	0.0	0.0	0.0	0.4	1.1	2.8	0.3	0.8	2.4	1.1	2.2	4.3	0.6	1.4	3.2
2294	-294.	0.0	0.0	0.0	0.1	0.3	1.8	0.1	0.3	1.8	1.1	2.3	4.7	4.6	7.2	10.9
2295	-299.	0.0	0.0	0.0	0.3	0.8	1.8	0.1	0.3	1.1	2.8	4.2	6.1	2.2	3.4	5.1
2296		EQUISETUM			PTERIDIUM			POLYPODIUM			FILICALES			SPHAGNUM		

END OF FILE

```
1
2   0BLACK LOUGH 12(A)      POLLEN COUNTS
3   0DEPTH
4     -306.  10.   3.   0.   5.  12.   0.   0.  33.  42.   0.   0.   0.   0.   0.   0.  16.   0.   0.   2.   0.
5     -312.  44.   7.   0.  19.  53.   1.   0.  91. 137.   0.   0.   0.   0.   0.   0.  45.   1.   0.   1.   0.
6     -318.  49.   5.   0.  10.  42.   0.   0.  59.  68.   0.   0.   0.   0.   0.   0.  29.   0.   0.   4.   0.
7     -325.  26.   1.   0.   9.  50.   0.   0.  53.  81.   0.   0.   0.   0.   0.   0.   9.   0.   0.   9.   0.
8     -332.  45.  12.   0.  13.  52.   0.   1. 101. 174.   0.   0.   0.   0.   0.   0.  32.   4.   0.   4.   1.
9     -340.  21.  51.   0.  14.  28.   0.   0.  53. 196.   0.   0.   0.   0.   0.   0.  15.   2.   0.  20.   0.
10    -346.  19.  63.   0.  11.  29.   0.   0.  38. 167.   0.   1.   0.   0.   0.   0.  31.   3.   0.   2.   0.
11    -352.  35.  62.   0.   7.  33.   0.   0.  47. 149.   0.   0.   1.   0.   0.   0.  46.   3.   0.   3.   0.
12    -364.  16.  24.   0.   4.   9.   1.   0.   4.  75.   0.   0.   0.   0.   0.   0.  24.   1.   0.   3.   0.
13    -375.  32.  61.   0.  12.  48.   0.   0.   6. 340.   0.   1.   0.   0.   0.   0.  43.   1.   0.   2.   0.
14    -387.  44. 156.   0.  21.  30.   0.   0.   2. 150.   0.   0.   0.   0.   0.   0.  34.   4.   0.  13.   0.
15    -399.  82. 102.   0.  19.  35.   0.   0.   2. 220.   0.   1.   0.   0.   0.   0.  58.   5.   0.  16.   0.
16    -425.  75.  94.   0.   9.  24.   0.   0.   0. 240.  11.   0.   0.   0.   0.   2.  23.   3.   0.  33.   0.
17    -451. 160.  32.   0.  21.   8.   0.   0.   1. 559.   0.   0.   1.   0.   0.   5.  53.  17.   0.  37.   0.
18    -475. 173.  21.   0.  16.   3.   0.   0.   0. 352.   6.  18.   0.   0.   0.   7.  13.  11.   0.  36.   0.
19    -502. 148.   8.   0.   1.   2.   0.   0.   0. 408.   2.   9.   0.   0.   0.   4.   5.   9.   0.  18.   1.
20    -525. 185.  17.   0.   2.   0.   0.   1.   0.  70.   2.  38.   0.   3.   0.   1.   2.  23.   0.  45.   0.
21    -552.  24.   5.   0.   0.   0.   0.   0.   1.   7.  19.   5.   0.   0.   0.   1.   1.  38.   0.  44.   2.
22    -575.   9.   3.   0.   0.   0.   0.   0.   0.   0.   9.   4.   0.   0.   0.   5.   1.  59.   0.  28.   4.
23    -625.  13.   3.   2.   0.   0.   0.   0.   0.   0.  18.   9.   0.   0.   0.   1.   0. 122.   0.  48.   8.
24    -675.   1.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   2.   0.   0.   0.
25            BETULA                TILIA                SALIX                ERICACEAE
26                  PINUS                FRAXINUS                HEDERA                GRAMINEAE
27                        POPULUS                ALNUS                VIBURNUM                CEREALIA
28                              ULMUS                CORYLOID                HYPERICUM                CYPERACEAE
29                                    QUERCUS                JUNIPER                EMPETRUM                ARTEMISIA
30  1
31  0BLACK LOUGH 12(A)      POLLEN COUNTS
32  0DEPTH
33    -306.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
34    -312.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
35    -318.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
36    -325.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
37    -332.   0.   0.   2.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   0.   0.   0.   0.   0.   0.
38    -340.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
39    -346.   0.   0.   0.   0.   0.   0.   0.   0.   1.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
40    -352.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
41    -364.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
42    -375.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
43    -387.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   0.   0.   0.   0.   0.   0.   0.   0.
44    -399.   0.   0.   0.   0.   0.   0.   0.   0.   2.   1.   0.   1.   0.   0.   1.   1.   0.   0.   0.   0.
45    -425.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
46    -451.   0.   0.   0.   0.   0.   0.   0.   0.   0.   2.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.
47    -475.   1.   0.   1.   0.   0.   0.   0.   0.   1.   3.   4.   2.   0.   0.   3.   0.   0.   0.   0.   0.
48    -502.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.
49    -525.   0.   0.   0.   0.   4.   0.   0.   0.   2.   0.   0.   1.   0.   0.   2.   0.   0.   0.   0.   0.
50    -552.   0.   0.   0.   0.   0.   0.   0.   0.   3.   0.   0.   1.   1.   0.   0.   6.   0.   0.   0.   0.
51    -575.   0.   2.   0.   0.   0.   0.   0.   0.   0.   2.   0.   0.   1.   0.   2.   5.   0.   0.   0.   0.
52    -625.   0.   0.   0.   0.   0.   2.   1.   0.   1.   0.   0.   0.   1.   0.  14.  32.   0.   0.   0.   0.
53    -675.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   2.   0.   0.   0.   0.
54            SENECIO TYPE          HELIANTHEMUM          POTENTILLA TYPE          RUMEX
55                  MATRICARIA TYPE          CARYOPHYLLACEAE          SAXIFRAGACEAE          CANNABIS
56                        RANUNCULUS TYPE          CHENOPODIACEAE          UMBELLIFERAE          URTICA
57                              CALTHA                ROSACEAE                MERCURIALIS                GENTIANA
58                                    THALICTRUM                FILIPENDULA                POLYGONUM                SCROPHULARIACEAE
59  1
60  0BLACK LOUGH 12(A)      POLLEN COUNTS
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ODEPTH
   -306.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   8.   4.
   -312.   0.   0.   0.   0.   0.   0.   1.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   2.  27.   4.
   -318.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   7.  18.  45.
   -325.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   0.   0.  34.   5.   4. 260.
   -332.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   2.   4.  11.  53.
   -340.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   6.   1.   9. 159.
   -346.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   4.  13. 111.
   -352.   0.   0.   0.   1.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   2.   1.   2. 213.
   -364.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   1.  61.
   -375.   0.   0.   0.   0.   0.   2.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   1.   0.  13. 447.
   -387.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   1.   0.  26.
   -399.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.  78.
   -425.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   0.   0.   0.   2.   0.   0.   0.   1.   3.   0.
   -451.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   0.   0.   1.   0.   0.  12.  40.
   -475.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   2.   0.  21.   0.   0.  19.  20.
   -502.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   2.  19.   1.   0.   8.  39.
   -525.   0.   0.   2.   0.   2.   0.   0.   1.   1.   4. 102.   0.   8.   3.   1.   7.   0.   2.  27.  15.
   -552.   0.   0.   2.   0.   0.   0.   0.   0.   0.   1.   6.   0.   0.   2.   0.   0.   0.   0.   9.   0.
   -575.   0.   0.   0.   0.   1.   0.   2.   0.   8.  42.   2.   1.   4.   0.   0.   1.   0.   0.   0.   0.
   -625.   0.   0.   0.   0.   0.   0.   1.   0.   1.  15.   1.   3.   0.   0.   0.   0.   0.   1.   0.   0.
   -675.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   0.   1.   0.   0.   0.
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CONVOLVULUS
CAMPANULA
POTAMOGETON
EQUISETUM
PLANTAGO LANC.
RUBIACEAE
LEMNA
PTERIDIUM
PLANTAGO MAJ.MED.
NYMPHAEA
TYPHA ANGUST.
POLYPODIUM
PLANTAGO CORONOPUS
MYRIOPHYLLUM SPIC.
LYCOPODIUM
FILICALES
PLANTAGO MARITIMA
MYRIOPHYLLUM ALT.
ISOETES
SPHAGNUM

IPOLLEN TOTALS AND SUMMARY TABLE

O DEPTH	TREES	SHRUBS	HERBS	AQUATS	SPORES	TOTAL	EXOTIC	TREES%	SHRUB%	HERBS%	AQUAT%	SPORE%
-306.0	63.0	58.0	2.0	0.0	12.0	123.0	400.0	51.2	47.2	1.6	0.0	9.8
-312.0	215.0	182.0	3.0	0.0	33.0	400.0	300.0	53.8	45.5	0.8	0.0	8.3
-318.0	165.0	97.0	4.0	0.0	70.0	266.0	200.0	62.0	36.5	1.5	0.0	26.3
-325.0	139.0	90.0	9.0	0.0	304.0	238.0	400.0	58.4	37.8	3.8	0.0	127.7
-332.0	224.0	206.0	12.0	0.0	70.0	442.0	300.0	50.7	46.6	2.7	0.0	15.8
-340.0	167.0	211.0	22.0	0.0	175.0	400.0	300.0	41.8	52.8	5.5	0.0	43.8
-346.0	160.0	199.0	6.0	0.0	129.0	365.0	300.0	43.8	54.5	1.6	0.0	35.3
-352.0	184.0	196.0	8.0	0.0	218.0	388.0	400.0	47.4	50.5	2.1	0.0	56.2
-364.0	58.0	99.0	4.0	0.0	63.0	161.0	400.0	36.0	61.5	2.5	0.0	39.1
-375.0	159.0	384.0	5.0	0.0	462.0	548.0	300.0	29.0	70.1	0.9	0.0	84.3
-387.0	253.0	184.0	18.0	0.0	28.0	455.0	200.0	55.6	40.4	4.0	0.0	6.2
-399.0	240.0	289.0	27.0	0.0	88.0	556.0	300.0	43.2	52.0	4.9	0.0	15.8
-425.0	202.0	276.0	38.0	1.0	6.0	516.0	300.0	39.1	53.5	7.4	0.2	1.2
-451.0	222.0	618.0	57.0	1.0	53.0	897.0	150.0	24.7	68.9	6.4	0.1	5.9
-475.0	213.0	396.0	62.0	0.0	62.0	671.0	300.0	31.7	59.0	9.2	0.0	9.2
-502.0	159.0	428.0	29.0	0.0	69.0	616.0	150.0	25.8	69.5	4.7	0.0	11.2
-525.0	205.0	116.0	86.0	116.0	55.0	407.0	300.0	50.4	28.5	21.1	28.5	13.5
-552.0	30.0	33.0	97.0	7.0	11.0	180.0	300.0	18.8	20.6	60.6	4.4	6.9
-575.0	12.0	19.0	104.0	57.0	1.0	135.0	300.0	8.9	14.1	77.0	42.2	0.7
-625.0	18.0	28.0	230.0	20.0	1.0	276.0	300.0	6.5	10.1	83.3	7.2	0.4
-675.0	1.0	0.0	4.0	0.0	1.0	5.0	218.0	20.0	0.0	80.0	0.0	20.0

OBLACK LOUGH 12(A) POLLEN CONCENTRATION

ODEPTH	BETULA			PINUS			POPULUS			ULMUS			QUERCUS		
-306.	2.0	3.0	3.9	0.4	0.9	1.4	0.0	0.0	0.0	0.8	1.5	2.1	2.5	3.6	4.6
-312.	14.6	17.4	20.2	1.7	2.8	3.8	0.0	0.0	0.0	5.7	7.5	9.3	17.8	20.9	24.1
-318.	24.4	29.0	33.7	1.6	3.0	4.3	0.0	0.0	0.0	4.0	5.9	7.8	20.7	24.9	29.1
-325.	6.1	7.7	9.3	0.0	0.3	0.6	0.0	0.0	0.0	1.8	2.7	3.6	12.6	14.8	17.0
-332.	14.9	17.8	20.6	3.3	4.7	6.1	0.0	0.0	0.0	3.7	5.1	6.6	17.5	20.5	23.6
-340.	6.4	8.3	10.2	17.1	20.1	23.2	0.0	0.0	0.0	4.0	5.5	7.0	8.9	11.1	13.2
-346.	5.7	7.5	9.3	21.4	24.9	28.3	0.0	0.0	0.0	3.0	4.3	5.7	9.2	11.5	13.7

121	-352.	8.5	10.4	12.2	15.9	18.4	20.9	0.0	0.0	0.0	1.3	2.1	2.9	8.0	9.8	11.5
122	-364.	3.5	4.7	5.9	5.6	7.1	8.6	0.0	0.0	0.0	0.6	1.2	1.8	1.8	2.7	3.6
123	-375.	10.3	12.6	15.0	20.7	24.1	27.5	0.0	0.0	0.0	3.3	4.7	6.1	16.0	19.0	21.9
124	-387.	21.7	26.1	30.4	82.5	92.4	102.3	0.0	0.0	0.0	9.6	12.4	15.3	14.3	17.8	21.3
125	-399.	28.3	32.4	36.4	35.7	40.3	44.9	0.0	0.0	0.0	5.7	7.5	9.3	11.4	13.8	16.3
126	-425.	25.8	29.6	33.5	32.7	37.1	41.5	0.0	0.0	0.0	2.4	3.5	4.8	7.5	9.5	11.5
127	-451.	112.0	126.4	140.8	20.4	25.3	30.2	0.0	0.0	0.0	12.7	16.6	20.5	4.0	6.3	8.6
128	-475.	61.8	68.3	74.9	6.4	8.3	10.2	0.0	0.0	0.0	4.7	6.3	7.9	0.5	1.2	1.9
129	-502.	103.3	116.9	130.5	4.0	6.3	8.6	0.0	0.0	0.0	0.0	0.8	1.6	0.5	1.6	2.7
130	-525.	66.2	73.1	79.9	5.0	6.7	8.4	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0
131	-552.	7.5	9.5	11.5	1.1	2.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132	-575.	2.4	3.6	4.8	0.5	1.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
133	-625.	3.7	5.1	6.6	0.5	1.2	1.9	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
134	-675.	0.0	0.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135		BETULA			PINUS			POPULUS			ULMUS			QUERCUS		
136	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
137	ODEPTH	TILIA			FRAXINUS			ALNUS			CORYLOID			JUNIPER		
138	-306.	0.0	0.0	0.0	0.0	0.0	0.0	8.0	9.8	11.5	10.4	12.4	14.5	0.0	0.0	0.0
139	-312.	0.0	0.4	0.8	0.0	0.0	0.0	31.6	35.9	40.3	48.5	54.1	59.7	0.0	0.0	0.0
140	-318.	0.0	0.0	0.0	0.0	0.0	0.0	29.8	35.0	40.1	34.6	40.3	46.0	0.0	0.0	0.0
141	-325.	0.0	0.0	0.0	0.0	0.0	0.0	13.4	15.7	18.0	21.1	24.0	26.9	0.0	0.0	0.0
142	-332.	0.0	0.0	0.0	0.0	0.4	0.8	35.3	39.9	44.5	62.2	68.7	75.3	0.0	0.0	0.0
143	-340.	0.0	0.0	0.0	0.0	0.0	0.0	17.8	20.9	24.1	70.3	77.4	84.6	0.0	0.0	0.0
144	-346.	0.0	0.0	0.0	0.0	0.0	0.0	12.4	15.0	17.6	59.6	66.0	72.4	0.0	0.0	0.0
145	-352.	0.0	0.0	0.0	0.0	0.0	0.0	11.8	13.9	16.1	39.9	44.1	48.4	0.0	0.0	0.0
146	-364.	0.0	0.3	0.6	0.0	0.0	0.0	0.6	1.2	1.8	19.4	22.2	25.0	0.0	0.0	0.0
147	-375.	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.4	3.3	123.6	134.3	145.0	0.0	0.0	0.0
148	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.2	2.0	79.3	88.9	98.5	0.0	0.0	0.0
149	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	79.2	86.9	94.6	0.0	0.0	0.0
150	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	86.6	94.8	103.0	3.0	4.3	5.7
151	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	400.9	441.6	482.4	0.0	0.0	0.0
152	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	128.1	139.0	150.0	1.4	2.4	3.3
153	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	291.4	322.3	353.2	0.5	1.6	2.7
154	-525.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	24.0	27.6	31.3	0.2	0.8	1.4
155	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	1.7	2.8	3.8	5.7	7.5	9.3
156	-575.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.6	4.8
157	-625.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	7.1	8.8
158	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
159		TILIA			FRAXINUS			ALNUS			CORYLOID			JUNIPER		
160	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
161	ODEPTH	SALIX			HEDERA			VIBURNUM			HYPERICUM			EMPETRUM		
162	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
163	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
164	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
166	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
168	-346.	0.0	0.4	0.8	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
169	-352.	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
171	-375.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
173	-399.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
174	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4
175	-451.	0.0	0.0	0.0	0.0	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.2	3.9	5.7
176	-475.	5.4	7.1	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.8	3.8
177	-502.	4.7	7.1	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8
178	-525.	12.4	15.0	17.6	0.0	0.0	0.0	0.5	1.2	1.9	0.0	0.0	0.0	0.0	0.4	0.8
179	-552.	1.1	2.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
180	-575.	0.8	1.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.0	2.9

181	-625.	2.4	3.6	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
182	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
183		SALIX			HEDERA			VIBURNUM			HYPERICUM			EMPETRUM		
184	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
185	ODEPTH	ERICACEAE			GRAMINEAE			CEREALIA			CYPERACEAE			ARTEMISIA		
186	-306.	3.5	4.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	1.0	0.0	0.0	0.0
187	-312.	14.9	17.8	20.6	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0
188	-318.	13.8	17.2	20.6	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.4	3.6	0.0	0.0	0.0
189	-325.	1.8	2.7	3.6	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.7	3.6	0.0	0.0	0.0
190	-332.	10.3	12.6	15.0	0.8	1.6	2.4	0.0	0.0	0.0	0.8	1.6	2.4	0.0	0.4	0.8
191	-340.	4.4	5.9	7.5	0.2	0.8	1.4	0.0	0.0	0.0	6.1	7.9	9.7	0.0	0.0	0.0
192	-346.	9.9	12.2	14.6	0.5	1.2	1.9	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0
193	-352.	11.5	13.6	15.8	0.4	0.9	1.4	0.0	0.0	0.0	0.4	0.9	1.4	0.0	0.0	0.0
194	-364.	5.6	7.1	8.6	0.0	0.3	0.6	0.0	0.0	0.0	0.4	0.9	1.4	0.0	0.0	0.0
195	-375.	14.2	17.0	19.8	0.0	0.4	0.8	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0
196	-387.	16.4	20.1	23.9	1.2	2.4	3.6	0.0	0.0	0.0	5.5	7.7	9.9	0.0	0.0	0.0
197	-399.	23.2	26.9	30.5	1.1	2.0	2.9	0.0	0.0	0.0	4.7	6.3	7.9	0.0	0.0	0.0
198	-425.	7.1	9.1	11.1	1.1	2.0	2.9	0.0	0.0	0.0	10.6	13.0	15.4	0.0	0.0	0.0
199	-451.	35.2	41.9	48.6	10.0	13.4	16.9	0.0	0.0	0.0	23.9	29.2	34.6	0.0	0.0	0.0
200	-475.	3.7	5.1	6.6	3.0	4.3	5.7	0.0	0.0	0.0	11.7	14.2	16.7	0.0	0.0	0.0
201	-502.	2.2	3.9	5.7	4.7	7.1	9.6	0.0	0.0	0.0	10.7	14.2	17.8	0.0	0.8	1.6
202	-525.	0.2	0.8	1.4	7.1	9.1	11.1	0.0	0.0	0.0	14.9	17.8	20.6	0.0	0.0	0.0
203	-552.	0.0	0.4	0.8	12.4	15.0	17.6	0.0	0.0	0.0	14.6	17.4	20.2	0.2	0.8	1.4
204	-575.	0.0	0.4	0.8	20.0	23.3	26.6	0.0	0.0	0.0	8.2	10.3	12.4	0.8	1.6	2.4
205	-625.	0.0	0.0	0.0	43.0	48.2	53.4	0.0	0.0	0.0	16.0	19.0	21.9	2.0	3.2	4.3
206	-675.	0.0	0.0	0.0	0.3	1.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
207		ERICACEAE			GRAMINEAE			CEREALIA			CYPERACEAE			ARTEMISIA		
208	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
209	ODEPTH	SENECIO TYPE			MATRICARIA TYPE			RANUNCULUS TYPE			CALTHA			THALICTRUM		
210	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
211	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
212	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
213	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
214	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
215	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
216	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
217	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
218	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
219	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
220	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
221	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
222	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
223	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
224	-475.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
225	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
226	-525.	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.0	2.9	0.0	0.0	0.0	0.8	1.6	2.4
227	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
228	-575.	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
229	-625.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
230	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
231		SENECIO TYPE			MATRICARIA TYPE			RANUNCULUS TYPE			CALTHA			THALICTRUM		
232	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
233	ODEPTH	HELIANTHEMUM			CARYOPHYLLACEAE			CHENOPODIACEAE			ROSACEAE			FILIPENDULA		
234	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
235	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
236	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
237	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
238	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
239	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0

241	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
242	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
243	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
244	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
245	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.4	0.8	
246	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
247	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5	2.7	
248	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.5	1.2	1.9	
249	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	
250	-525.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0	
251	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	1.9	0.0	0.0	0.0	
252	-575.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	
253	-625.	0.2	0.8	1.4	0.0	0.4	0.8	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	
254	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
255		HELIANTHEMUM			CARYOPHYLLACEAE			CHENOPODIACEAE			ROSACEAE			FILIPENDULA		
256	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
257	ODEPTH	POTENTILLA TYPE			SAXIFRAGACEAE			UMBELLIFERAE			MERCURIALIS			POLYGONUM		
258	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
259	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
260	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
261	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
262	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	
263	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
264	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
265	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
266	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
267	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
268	-387.	0.0	0.0	0.0	0.0	0.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
269	-399.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	
270	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
271	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
272	-475.	0.8	1.6	2.4	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.5	1.2	1.9	
273	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
274	-525.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	
275	-552.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	
276	-575.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.2	0.8	1.4
277	-625.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	4.0	5.5	7.0
278	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
279		POTENTILLA TYPE			SAXIFRAGACEAE			UMBELLIFERAE			MERCURIALIS			POLYGONUM		
280	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
281	ODEPTH	RUMEX			CANNABIS			URTICA			GENTIANA			SCROPHULARIACEAE		
282	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
283	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
284	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
285	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
286	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
287	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
288	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
289	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
290	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
291	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
292	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
293	-399.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
294	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
295	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	
296	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
297	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
298	-525.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
299	-552.	1.4	2.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
300	-575.	1.1	2.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

301	-625.	10.3	12.6	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
302	-675.	0.3	1.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
303		RUMEX			CANNABIS			URTICA			GENTIANA			SCROPHULARIACEAE		
304	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
305	ODEPTH	CONVOLVULUS			PLANTAGO LANC.			PLANTAGO MAJ.MED.			PLANTAGO CORONOPUS			PLANTAGO MARITIMA		
306	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
307	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
308	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
309	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
310	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
311	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
312	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
313	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0
314	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
315	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
316	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
317	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
318	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
319	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
320	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
321	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
322	-525.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0	0.2	0.8	1.4
323	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
324	-575.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
325	-625.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
326	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
327		CONVOLVULUS			PLANTAGO LANC.			PLANTAGO MAJ.MED.			PLANTAGO CORONOPUS			PLANTAGO MARITIMA		
328	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
329	ODEPTH	CAMPANULA			RUBIACEAE			NYMPHAEA			MYRIOPHYLLUM SPIC.			MYRIOPHYLLUM ALT.		
330	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
331	-312.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
332	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
333	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
334	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
335	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
336	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
337	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
338	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
339	-375.	0.2	0.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
340	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
341	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
342	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
343	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
344	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
345	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
346	-525.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.4	0.8	0.8	1.6	2.4
347	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
348	-575.	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0	2.0	3.2	4.3	13.9	16.6	19.3
349	-625.	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.4	0.8	4.4	5.9	7.5
350	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
351		CAMPANULA			RUBIACEAE			NYMPHAEA			MYRIOPHYLLUM SPIC.			MYRIOPHYLLUM ALT.		
352	OBLACK LOUGH 12(A)			POLLEN CONCENTRATION												
353	ODEPTH	POTAMOGETON			LEMNA			TYPHA ANGUST.			LYCOPODIUM			ISOETES		
354	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
355	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
356	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.0
358	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
359	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0	0.0
-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0	0.0
-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.7	
-525.	35.7	40.3	44.9	0.0	0.0	0.0	2.0	3.2	4.3	0.5	1.2	1.9	0.0	0.4	0.8	
-552.	1.4	2.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	0.0	0.0	0.0	
-575.	0.2	0.8	1.4	0.0	0.4	0.8	0.8	1.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	
-625.	0.0	0.4	0.8	0.5	1.2	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

POTAMOGETON LEMNA TYPHA ANGUST. LYCOPODIUM ISOETES

0BLACK LOUGH 12(A) POLLEN CONCENTRATION

0DEPTH EQUISETUM PTERIDIUM POLYPODIUM FILICALES SPHAGNUM

-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.4	3.2	0.6	1.2	1.8	
-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	8.5	10.7	12.8	0.8	1.6	2.4	
-318.	0.0	0.0	0.0	0.0	0.0	0.0	2.6	4.1	5.7	8.0	10.7	13.3	22.3	26.7	31.1	
-325.	0.0	0.0	0.0	8.3	10.1	11.9	0.8	1.5	2.1	0.6	1.2	1.8	70.9	77.0	83.2	
-332.	0.0	0.0	0.0	0.2	0.8	1.4	0.8	1.6	2.4	3.0	4.3	5.7	17.8	20.9	24.1	
-340.	0.0	0.0	0.0	1.4	2.4	3.3	0.0	0.4	0.8	2.4	3.6	4.8	56.6	62.8	69.0	
-346.	0.0	0.0	0.0	0.0	0.4	0.8	0.8	1.6	2.4	3.7	5.1	6.5	39.0	43.8	48.7	
-352.	0.0	0.0	0.0	0.2	0.6	1.0	0.0	0.3	0.5	0.2	0.6	1.0	57.7	63.1	68.5	
-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.3	0.5	15.6	18.1	20.6	
-375.	0.0	0.4	0.8	0.0	0.4	0.8	0.0	0.0	0.0	3.7	5.1	6.5	153.3	176.6	189.8	
-387.	0.0	0.0	0.0	0.0	0.6	1.2	0.0	0.6	1.2	0.0	0.0	0.0	12.2	15.4	18.6	
-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	3.9	5.2	26.9	30.8	34.7	
-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.5	1.2	1.9	0.0	0.0	0.0	
-451.	0.0	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	6.6	9.5	12.3	26.0	31.6	37.2	
-475.	6.4	8.3	10.2	0.0	0.0	0.0	0.0	0.0	0.0	5.7	7.5	9.3	6.1	7.9	9.7	
-502.	11.4	15.0	18.7	0.0	0.8	1.6	0.0	0.0	0.0	4.0	5.3	8.6	25.3	30.8	36.4	
-525.	1.7	2.8	3.8	0.0	0.0	0.0	0.2	0.8	1.4	8.5	10.7	12.8	4.4	5.9	7.5	
-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.6	4.8	0.0	0.0	0.0	
-575.	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
-625.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	
-675.	0.0	0.0	0.0	0.0	0.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

EQUISETUM PTERIDIUM POLYPODIUM FILICALES SPHAGNUM

1BLACK LOUGH 12(A) TOTAL CONCENTRATION (GRAINS X 1000 PER CC)

0DEPTH

-306.0	28.8	36.4	44.1
-312.0	133.3	158.0	182.7
-318.0	127.6	157.6	187.6
-325.0	58.7	70.5	82.3
-332.0	147.8	174.6	201.4
-340.0	133.3	158.0	182.7
-346.0	121.2	144.2	167.2
-352.0	98.1	114.9	131.8
-364.0	38.6	47.7	56.7
-375.0	184.5	216.5	248.4
-387.0	222.9	269.6	316.2
-399.0	187.3	219.6	251.9
-425.0	173.4	203.8	234.2
-451.0	581.3	708.6	835.9
-475.0	227.2	265.0	302.9
-502.0	396.5	486.6	576.8
-525.0	135.7	160.8	185.8
-552.0	50.6	63.2	75.8
-575.0	42.1	53.3	64.5
-625.0	90.5	109.0	127.6
-675.0	0.3	2.7	5.2

1002 @BLACK LOUGH 12(A) %TOTAL LAND POLLEN
1003 @DEPTH BETULA PINUS POPULUS ULMUS QUERCUS

1004	-306.	4.5	8.1	14.3	0.8	2.4	6.9	0.0	0.0	0.0	1.7	4.1	9.2	5.7	9.8	16.3
1005	-312.	8.3	11.0	14.4	0.9	1.8	3.6	0.0	0.0	0.0	3.1	4.8	7.3	10.3	13.3	16.9
1006	-318.	14.2	18.4	23.5	0.8	1.9	4.3	0.0	0.0	0.0	2.1	3.8	6.8	11.9	15.8	20.7
1007	-325.	7.6	10.9	15.5	0.1	0.4	2.3	0.0	0.0	0.0	2.0	3.8	7.0	15.3	21.0	26.6
1008	-332.	7.7	10.2	13.4	1.6	2.7	4.7	0.0	0.0	0.0	1.7	2.9	5.0	9.1	11.8	15.1
1009	-340.	3.5	5.3	7.9	9.8	12.8	16.4	0.0	0.0	0.0	2.1	3.5	5.8	4.9	7.0	9.9
1010	-346.	3.4	5.2	8.0	13.7	17.3	21.5	0.0	0.0	0.0	1.7	3.0	5.3	5.6	7.9	11.2
1011	-352.	6.6	9.0	12.3	12.7	16.0	20.0	0.0	0.0	0.0	0.9	1.8	3.7	6.1	8.5	11.7
1012	-364.	6.2	9.9	15.5	10.2	14.9	21.2	0.0	0.0	0.0	1.0	2.5	6.2	3.0	5.6	10.3
1013	-375.	4.2	5.8	8.1	8.8	11.1	14.0	0.0	0.0	0.0	1.3	2.2	3.8	6.7	8.8	11.4
1014	-387.	7.3	9.7	12.7	30.1	34.3	38.8	0.0	0.0	0.0	3.0	4.6	7.0	4.7	6.6	9.3
1015	-399.	12.0	14.7	17.9	15.3	18.3	21.8	0.0	0.0	0.0	2.2	3.4	5.3	4.6	6.3	8.6
1016	-425.	11.8	14.5	17.8	15.1	18.2	21.8	0.0	0.0	0.0	0.9	1.7	3.3	3.1	4.7	6.8
1017	-451.	15.5	17.8	20.5	2.5	3.6	5.0	0.0	0.0	0.0	1.5	2.3	3.6	0.5	0.9	1.7
1018	-475.	22.6	25.8	29.2	2.1	3.1	4.7	0.0	0.0	0.0	1.5	2.4	3.8	0.2	0.4	1.3
					0.7	1.3	2.5	0.0	0.0	0.0	0.0	0.2	0.9	0.1	0.3	1.2

1021	-552.	10.3	15.0	21.3	1.3	3.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1022	-575.	3.5	6.7	12.2	0.8	2.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1023	-625.	2.8	4.7	7.9	0.4	1.1	3.1	0.2	0.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0
1024	-675.	3.6	20.0	62.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1025		BETULA			PINUS			POPULUS			ULMUS			QUERCUS		
1026	OBLACK LOUGH 12(A)			%TOTAL LAND	POLLEN											
1027	ODEPTH	TILIA			FRAXINUS			ALNUS			CORYLOID			JUNIPER		
1028	-306.	0.0	0.0	0.0	0.0	0.0	0.0	19.8	26.8	35.3	26.4	34.1	42.9	0.0	0.0	0.0
1029	-312.	0.0	0.3	1.4	0.0	0.0	0.0	18.9	22.8	27.1	29.8	34.3	39.0	0.0	0.0	0.0
1030	-318.	0.0	0.0	0.0	0.0	0.0	0.0	17.6	22.2	27.5	20.7	25.6	31.1	0.0	0.0	0.0
1031	-325.	0.0	0.0	0.0	0.0	0.0	0.0	17.4	22.3	28.0	28.3	34.0	40.3	0.0	0.0	0.0
1032	-332.	0.0	0.0	0.0	0.0	0.2	1.3	19.2	22.9	27.0	34.9	39.4	44.0	0.0	0.0	0.0
1033	-340.	0.0	0.0	0.0	0.0	0.0	0.0	10.3	13.3	16.9	44.1	49.0	53.9	0.0	0.0	0.0
1034	-346.	0.0	0.0	0.0	0.0	0.0	0.0	7.7	10.4	14.0	40.7	45.8	50.9	0.0	0.0	0.0
1035	-352.	0.0	0.0	0.0	0.0	0.0	0.0	9.2	12.1	15.7	33.7	38.4	43.3	0.0	0.0	0.0
1036	-364.	0.1	0.6	3.4	0.0	0.0	0.0	1.0	2.5	6.2	39.0	46.6	54.3	0.0	0.0	0.0
1037	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.1	2.4	57.9	62.0	66.0	0.0	0.0	0.0
1038	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.6	28.8	33.0	37.4	0.0	0.0	0.0
1039	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.3	35.6	39.6	43.7	0.0	0.0	0.0
1040	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.2	46.5	50.8	1.2	2.1	3.5
1041	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	59.1	62.3	65.4	0.0	0.0	0.0
1042	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.7	52.5	56.2	0.4	0.9	1.9
1043	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.4	66.2	69.9	0.1	0.3	1.2
1044	-525.	0.0	0.0	0.0	0.0	0.2	1.4	0.0	0.0	0.0	13.8	17.2	21.2	0.1	0.5	1.8
1045	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	3.5	2.1	4.4	8.8	7.7	11.9	17.8
1046	-575.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	6.7	12.2
1047	-625.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	6.5	10.1
1048	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1049		TILIA			FRAXINUS			ALNUS			CORYLOID			JUNIPER		
1050	OBLACK LOUGH 12(A)			%TOTAL LAND	POLLEN											
1051	ODEPTH	SALIX			HEDERA			VIBURNUM			HYPERICUM			EMPETRUM		
1052	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1053	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1054	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1055	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1056	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1057	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1058	-346.	0.0	0.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1059	-352.	0.0	0.0	0.0	0.0	0.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1060	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1061	-375.	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1062	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1063	-399.	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1064	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.4
1065	-451.	0.0	0.0	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.2
1066	-475.	1.7	2.7	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.1
1067	-502.	0.8	1.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	1.7
1068	-525.	6.9	9.3	12.5	0.0	0.0	0.0	0.3	0.7	2.1	0.0	0.0	0.0	0.0	0.2	1.4
1069	-552.	1.3	3.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	3.5
1070	-575.	1.2	3.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.7	8.4
1071	-625.	1.7	3.3	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.0
1072	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1073		SALIX			HEDERA			VIBURNUM			HYPERICUM			EMPETRUM		
1074	OBLACK LOUGH 12(A)			%TOTAL LAND	POLLEN											
1075	ODEPTH	ERICACEAE			GRAMINEAE			CEREALIA			CYPERACEAE			ARTEMISIA		
1076	-306.	8.2	13.0	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.6	5.7	0.0	0.0	0.0
1077	-312.	8.5	11.3	14.7	0.0	0.3	1.4	0.0	0.0	0.0	0.0	0.3	1.4	0.0	0.0	0.0
1078	-318.	7.7	10.9	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.5	3.8	0.0	0.0	0.0
1079	-325.	2.0	3.8	7.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.8	7.0	0.0	0.0	0.0
1080	-332.	5.2	7.2	10.0	0.4	0.9	2.3	0.0	0.0	0.0	0.4	0.9	2.3	0.0	0.2	1.3

1081	-340.	2.3	3.8	6.1	0.1	0.5	1.8	0.0	0.0	0.0	3.3	5.0	7.6	0.0	0.0	0.0
1082	-346.	6.0	8.5	11.8	0.3	0.8	2.4	0.0	0.0	0.0	0.2	0.5	2.0	0.0	0.0	0.0
1083	-352.	9.0	11.9	15.5	0.3	0.8	2.2	0.0	0.0	0.0	0.3	0.8	2.2	0.0	0.0	0.0
1084	-364.	10.2	14.9	21.2	0.1	0.6	3.4	0.0	0.0	0.0	0.6	1.9	5.3	0.0	0.0	0.0
1085	-375.	5.9	7.8	10.4	0.0	0.2	1.0	0.0	0.0	0.0	0.1	0.4	1.3	0.0	0.0	0.0
1086	-387.	5.4	7.5	10.3	0.3	0.9	2.2	0.0	0.0	0.0	1.7	2.9	4.8	0.0	0.0	0.0
1087	-399.	9.8	12.2	15.2	0.4	0.9	2.1	0.0	0.0	0.0	1.8	2.9	4.6	0.0	0.0	0.0
1088	-425.	3.0	4.5	6.6	0.4	1.0	2.2	0.0	0.0	0.0	4.6	6.4	8.8	0.0	0.0	0.0
1089	-451.	4.5	5.9	7.6	1.2	1.9	3.0	0.0	0.0	0.0	3.0	4.1	5.6	0.0	0.0	0.0
1090	-475.	1.1	1.9	3.3	0.9	1.6	2.9	0.0	0.0	0.0	3.9	5.4	7.3	0.0	0.0	0.0
1091	-502.	0.3	0.8	1.9	0.8	1.5	2.8	0.0	0.0	0.0	1.9	2.9	4.6	0.0	0.2	0.9
1092	-525.	0.1	0.5	1.8	3.8	5.7	8.3	0.0	0.0	0.0	8.4	11.1	14.5	0.0	0.0	0.0
1093	-552.	0.1	0.6	3.5	17.8	23.8	30.9	0.0	0.0	0.0	21.2	27.5	34.9	0.3	1.3	4.4
1094	-575.	0.1	0.7	4.1	35.6	43.7	52.1	0.0	0.0	0.0	13.5	19.3	26.7	1.2	3.0	7.4
1095	-625.	0.0	0.0	0.0	38.5	44.2	50.1	0.0	0.0	0.0	13.4	17.4	22.3	1.5	2.9	5.6
1096	-675.	0.0	0.0	0.0	11.8	40.0	76.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1097		ERICACEAE			GRAMINEAE			CEREALIA			CYPERACEAE			ARTEMISIA		
1098	OBLACK LOUGH 12(A)		%TOTAL LAND		POLLEN											
1099	ODEPTH	SENECIO TYPE			MATRICARIA TYPE			RANUNCULUS TYPE			CALTHA			THALICTRUM		
1100	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1101	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1102	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1103	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1104	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0
1105	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1106	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1107	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1108	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1109	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1110	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1111	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1112	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1113	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1114	-475.	0.0	0.1	0.8	0.0	0.0	0.0	0.0	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0
1115	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1116	-525.	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.2	2.8	0.0	0.0	0.0	0.4	1.0	2.5
1117	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1118	-575.	0.0	0.0	0.0	0.4	1.5	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1119	-625.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1120	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1121		SENECIO TYPE			MATRICARIA TYPE			RANUNCULUS TYPE			CALTHA			THALICTRUM		
1122	OBLACK LOUGH 12(A)		%TOTAL LAND		POLLEN											
1123	ODEPTH	HELIANTHEMUM			CARYOPHYLLACEAE			CHENOPODIACEAE			ROSACEAE			FILIPENDULA		
1124	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1125	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1126	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1127	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1128	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1129	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1130	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.5	0.0	0.0	0.0
1131	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.4
1132	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1133	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1134	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1135	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.3	0.0	0.2	1.0
1136	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1137	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.8
1138	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.8	0.2	0.4	1.3
1139	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.9
1140	-525.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.8	0.0	0.0	0.0

1141	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.9	5.4	0.0	0.0	0.0
1142	-575.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.5	5.2
1143	-625.	0.2	0.7	2.6	0.1	0.4	2.0	0.0	0.0	0.0	0.1	0.4	2.0	0.0	0.0	0.0
1144	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1145		HELIANTHEMUM			CARYOPHYLLACEAE			CHENOPODIACEAE			ROSACEAE			FILIPENDULA		
1146	OBLACK LOUGH 12(A)			%TOTAL LAND	POLLEN											
1147	ODEPTH	POTENTILLA TYPE			SAXIFRAGACEAE			UMBELLIFERAE			MERCURIALIS			POLYGONUM		
1148	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1149	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1150	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1151	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1152	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.3	0.0	0.0	0.0
1153	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1154	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1155	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1156	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1157	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1158	-387.	0.0	0.0	0.0	0.0	0.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1159	-399.	0.0	0.0	0.0	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.0
1160	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1161	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1162	-475.	0.2	0.6	1.5	0.1	0.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	1.3
1163	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1164	-525.	0.0	0.0	0.0	0.0	0.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.8
1165	-552.	0.0	0.0	0.0	0.1	0.6	3.5	0.1	0.6	3.5	0.0	0.0	0.0	0.0	0.0	0.0
1166	-575.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	4.1	0.0	0.0	0.0	0.4	1.5	5.2
1167	-625.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.0	0.0	0.0	0.0	3.0	5.1	8.3
1168	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1169		POTENTILLA TYPE			SAXIFRAGACEAE			UMBELLIFERAE			MERCURIALIS			POLYGONUM		
1170	OBLACK LOUGH 12(A)			%TOTAL LAND	POLLEN											
1171	ODEPTH	RUMEX			CANNABIS			URTICA			GENTIANA			SCROPHULARIACEAE		
1172	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1173	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1174	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1175	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1176	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1177	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1178	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1179	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1180	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1181	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1182	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1183	-399.	0.0	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1184	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1185	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5
1186	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1187	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1188	-525.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1189	-552.	1.7	3.8	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1190	-575.	1.6	3.7	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1191	-625.	8.3	11.6	15.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1192	-675.	11.8	40.0	76.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1193		RUMEX			CANNABIS			URTICA			GENTIANA			SCROPHULARIACEAE		
1194	OBLACK LOUGH 12(A)			%TOTAL LAND	POLLEN											
1195	ODEPTH	CONVOLVULUS			PLANTAGO LANC.			PLANTAGO MAJ.MED.			PLANTAGO CORONOPUS			PLANTAGO MARITIMA		
1196	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1197	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1198	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1199	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1200	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1201	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1202	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1203	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.4	0.0	0.0	0.0	0.0
1204	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1205	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1206	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1207	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1208	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1209	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1210	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1211	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1212	-525.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.8	0.0	0.0	0.0	0.1	0.5	1.8	
1213	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	4.4	0.0	0.0	0.0	0.0	0.0	0.0	
1214	-575.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.7	4.1	
1215	-625.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1216	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1217		CONVOLVULUS			PLANTAGO LANC.			PLANTAGO MAJ.MED.			PLANTAGO CORONOPUS			PLANTAGO MARITIMA			
1218	0BLACK LOUGH 12(A)		%TOTAL LAND		POLLEN												
1219	0DEPTH	CAMPANULA			RUBIACEAE			NYMPHAEA			MYRIOPHYLLUM SPIC.			MYRIOPHYLLUM ALT.			
1220	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1221	-312.	0.0	0.0	0.0	0.0	0.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1222	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1223	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1224	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1225	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1226	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1227	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1228	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1229	-375.	0.1	0.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1230	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1231	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1232	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	
1233	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1234	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1235	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1236	-525.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.4	0.0	0.2	1.4	0.4	1.0	2.5	
1237	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	3.5	
1238	-575.	0.0	0.0	0.0	0.4	1.5	5.2	0.0	0.0	0.0	2.8	5.9	11.5	21.1	31.1	42.2	
1239	-625.	0.0	0.0	0.0	0.1	0.4	2.0	0.0	0.0	0.0	0.1	0.4	2.0	3.2	5.4	8.9	
1240	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1241		CAMPANULA			RUBIACEAE			NYMPHAEA			MYRIOPHYLLUM SPIC.			MYRIOPHYLLUM ALT.			
1242	0BLACK LOUGH 12(A)		%TOTAL LAND		POLLEN												
1243	0DEPTH	POTAMOGETON			LEMNA			TYPHA ANGUST.			LYCOPODIUM			ISOETES			
1244	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1245	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1246	-318.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1247	-325.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.3	0.0	0.0	0.0	
1248	-332.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1249	-340.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1250	-346.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1251	-352.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1252	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1253	-375.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1254	-387.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1255	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1256	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	1.4	0.0	0.0	0.0	
1257	-451.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	
1258	-475.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	1.1	0.0	0.0	0.0	
1259	-502.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0							

261	-552.	1.6	3.8	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	1.3	4.5	0.0	0.0	0.0
262	-575.	0.4	1.5	5.3	0.1	0.7	4.1	1.1	3.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0
263	-625.	0.1	0.4	2.0	0.4	1.1	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
264	-675.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
265		POTAMOGETON			LEMNA			TYPHA ANGUST.			LYCOPODIUM			ISOETES		
266	@BLACK LOUGH 12(A)			%TOTAL LAND POLLEN												
267	@DEPTH	EQUISETUM			PTERIDIUM			POLYPODIUM			FILICALES			SPHAGNUM		
268	-306.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	5.5	12.6	1.2	3.3	8.2
269	-312.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	1.8	4.5	6.8	9.8	0.4	1.0	2.6
270	-318.	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.6	5.4	4.1	6.8	10.6	12.1	16.9	22.7
271	-325.	0.0	0.0	0.0	9.7	14.3	20.0	0.9	2.1	4.9	0.6	1.7	4.3	89.4	109.2	127.2
272	-332.	0.0	0.0	0.0	0.1	0.5	1.6	0.3	0.9	2.3	1.4	2.5	4.4	8.9	12.0	15.7
273	-340.	0.0	0.0	0.0	0.7	1.5	3.3	0.0	0.3	1.4	1.2	2.3	4.3	32.6	39.8	47.1
274	-346.	0.0	0.0	0.0	0.0	0.3	1.5	0.4	1.1	2.8	2.0	3.6	6.1	24.2	30.4	37.0
275	-352.	0.0	0.0	0.0	0.1	0.5	1.9	0.0	0.3	1.4	0.1	0.5	1.9	45.8	54.9	63.9
276	-364.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	3.4	0.1	0.5	3.4	27.2	37.9	49.1
277	-375.	0.0	0.2	1.0	0.0	0.2	1.0	0.0	0.0	0.0	1.4	2.4	4.0	71.2	81.6	91.5
278	-387.	0.0	0.0	0.0	0.0	0.2	1.2	0.0	0.2	1.2	0.0	0.0	0.0	3.8	5.7	8.4
279	-399.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.8	3.3	11.0	14.0	17.5
280	-425.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	1.1	0.2	0.6	1.7	0.0	0.0	0.0
281	-451.	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.3	2.3	3.2	4.5	6.1
282	-475.	2.0	3.1	4.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8	2.8	4.4	1.9	3.0	4.6
283	-502.	1.9	3.1	4.8	0.0	0.2	0.9	0.0	0.0	0.0	0.6	1.3	2.6	4.5	6.3	8.7
284	-525.	0.8	1.7	3.5	0.0	0.0	0.0	0.1	0.5	1.8	4.4	6.5	9.6	2.2	3.7	6.1
285	-552.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.6	10.5	0.0	0.0	0.0
286	-575.	0.1	0.7	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
287	-625.	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	2.0	0.0	0.0	0.0	0.0	0.0	0.0
288	-675.	0.0	0.0	0.0	0.5	20.0	65.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
289		EQUISETUM			PTERIDIUM			POLYPODIUM			FILICALES			SPHAGNUM		

@F FILE

POLLEN CONCENTRATION
POLLEN CONCENTRATION
POLLEN CONCENTRATION
TOTAL CONCENTRATION (GRAINS X 10^3 PER CC)

END OF FILE

Appendix 3 BOREHOLE RECORDS (Stratigraphic description follows Troels-Smith 1955)

(Note: The order of information after each borehole heading is : date of field work, method of sampling, height of ground. e.g.

ED. 1 : 13/9/78, Russian, 82.714m.

The physical properties of each description are abbreviated in the order: nigror (n), stratificatio (s), elasticitas (e), siccitas (s), limes (ℓ).

3.1 Edlingham

ED1 : 13/9/78, Russian, 82.714m

(cm)

0-18 Fibrous, saturated, highly organic clay/silt, dark brown, no apparent structure. Surface root system.

Th◎3 Ag1 Ga+

n2 s0 e1 s1 ℓ1

18-51 Grey/brown, highly organic clay/silt, saturated, no apparent structure, less fibrous than above, surface roots.

Ld①1 Th①2 Ag1 Ga+

n2 s0 e1 s1 ℓ0

51-62 Dark grey with black streaks, sticky silt with fine root remnants. Fragments of sandstone and wood.

Ld②1 Dh1 Ag2 Tℓ⓪+ Ga+ Gg(maj)+

n1 s0 e1 s2 ℓ1

62-69 Grey sticky silt. Fragments of stone and root.

Ag3 Dh1 Ga+ Gg(maj)+

n1 s0 e1 s2 ℓ1

69-71 Narrow sandy horizon, grey, fine roots.

Ga3 Ag1 Dh+

n1 s0 e0 s3 ℓ3

71-81 (as above 51-62)

81-92 Light grey, heavy, sticky clay with fragments of sandstone. Dark streaks of humus.

Ag2 As2 Ga+ Gg(maj)+ Sh+

n1 s0 e0 s2 ℓ2

92-122 (As above 51-62)

122-170 Light grey silt/clay with some sand
As2 Ag2 Ga+ Sh+
n0 s0 e0 s3 ℓ1

170-175 Brown sandy silt with black streaks
Ag2 Ga1 Ld④1
n3 s0 e0 s2 ℓ1

175-196 Grey sand (gravel at 196cm)
Ag4 Dℓ+ Dh+ Gg(maj)+
n3 s0 e0 s2 ℓ1

196-260 Brown silt/clay
Ag2 As1 Ga1
n2 s0 e0 s2 ℓ1

260-280 Pink/brown sand and gravel
Ag1 Ga2 Gg(min)1 Gg(maj)+
n2 s0 e0 s2 ℓ0

ED2 : 16/9/78, gouge, 82.564m
(cm)

0- 13 Modern root mat
Th◎4 Ga+ Ag+ Ld①+
n3 s0 e3 s2 ℓ0

13- 20 Brown organic sand with black streaks
Ga2 Th①2 Ld①+ Ag+
n2 s2 e2 s3 ℓ0

20- 69 Grey sand
Ga4
n1 s0 e0 s3 ℓ2

69- 75 Brown silt
Ga2 Ag1 Ld③1 Dh+
n2 s1 e2 s3 ℓ1

75- 85 Brown organic silt/clay with black streaks
Ag2 Dh1 Ld④1 Ga+
n3 s2 e3 s3 ℓ2

85-150 Sticky grey silt/clay, black streaks, gravel
Ag3 Ld④1 Dh+ Gg(maj)+ Ga+
n1 s0 e0 s2 ℓ0

150-190 Firm, grey, sandy clay
Ag1 Ga3 Dh+ Gg(min)+
n2 s0 e0 s2 ℓ0

190-200 Brown sandy clay
Ga2 Ag2 Gg(min)+
n2 s0 e0 s2 ℓ0

200-259 Sandy grey clay (as above 150-190)

259-266 Brown sandy clay (as above 190-200)

266-300 Sandy grey clay (as above 150-190)
Some wood at 183cm

300-465 Brown sandy clay
Ag3 Ga1
n2 s0 e0 s2 ℓ0

465-495 Sand and gravel
Ga2 Ag1 Gg(min)1 Gg(maj)+
n2 s0 e0 s2 ℓ0

ED3 : 14/10/78, gouge plus sand auger, 82.264m
(cm)

0+ Surface water

0- 4 Saturated ⟶ root mat in mud matrix
Th⓪2 Ga1 Ag1
n3 s0 e0 s2 ℓ0

4- 8 Firm organic clay, black streaks
Ag2 Ld④1 Ga1 Th+
n2 s1 e0 s2 ℓ1

8- 14 Grey organic clay
Ag3 Ld③1 Dh+
n2 s1 e0 s2 ℓ1

14- 35 (end gouge core) Sand
Ga4 Dh+
n2 s1 e0 s2 ℓ0

35- 65 Auger through sand to sandstone at 65cm.

ED4 : 14/10/78, gouge plus sand auger, 82.389m.
(cm)

0+ Surface water

0- 5 Root mat in mud matrix
Th◎2 Ag1 Ga1
n3 s0 e0 s2 ℓ0

5- 19 Heavy organic clay
Ag2 Ga1 Ld③ Dh+
n2 s1 e0 s2 ℓ1

19- 35 Sandy clay
Ga2 Ag2 Ld③+ Dh+
n2 s1 e0 s2 ℓ0

35- 38 (end gouge core) Grey sand
Ga4 Dh+
n2 s1 e0 s2 ℓ0

38- 88 Sand auger penetrated from 35cm through sand until stopped at sandstone at 88cm.

ED5 : 14/10/78, gouge plus sand auger, 82.342m.

(cm)

0- 10 Surface root mat
Th◎3 Ga1 Ag+
n3 s0 e1 s3 ℓ0

10- 25 Organic sandy clay
Th①1 Ag2 Ga1
n2 s1 e0 s3 ℓ1

25- 37 Orange mottled sandy clay
Ga3 Ag1 Dh+
n2 s1 e0 s3 ℓ1

37- 61 (end gouge core) Grey sand, black streaks
Ga4 Ld④ +
n2 s0 e0 s3 ℓ0

61- 74 Auger stopped at rock. Excavated pit through water-worn gravels to 120 cm. Gravels continued. (Water table at 75 cm.)

ED6 : 10/10/78, gouge, 81.997 m.

(cm)

0- 25 Surface root mat
Th◎4
n3 s0 e0 s3 ℓ0

25- 40 Brown organic sediment
Dh2 Th①2
n3 s2 e3 s2 ℓ1

40- 55 Yellow mottled sand with traces of rock
Ga3 Ag1 Dh+ Gg(maj)+
n2 s1 e1 s2 ℓ1

55- 60 Black streaked sandy clay
Ag2 Ga1 Ld④1
n3 s0 e0 s2 ℓ0

60- 71 Fibrous root mat (possibly old surface level)
Th①4
n3 s0 e3 s2 ℓ1

71- 75 Yellow mottled sand (as above 40-55)

75- 94 Black streaked sandy clay
Ag Ga1 Ld④1 Dℓ+ Dh+
n3 s1 e0 s2 ℓ1

94-100 Sand
Ga4
n1 s0 e0 s2 ℓ1

100-123 Black streaked sandy clay (as above 75-94)

123-160 Sandy clay
Ga3 Ag1
n1 s0 e0 s2 ℓ0

160-164 Sand auger penetrated to rock at 164 cm.

ED7 : 10/10/78, gouge, 82.392
(cm)
0- 16 Surface root zone
Th◎4 Ga+ Ag+ Sh+
n3 s4 e3 s2 ℓ0

16- 35 Sandy detritus
Ga2 Ag1 Dh1 Ld④+
n2 s2 e1 s2 ℓ0

35- 60 Sand
Ga4 Dg+ Ld③+
n1 s0 e0 s2 ℓ0

60- 70 Brown organic silt
Ag2 Ld②1 Ga1 Dh+
n2 s1 e1 s2 ℓ1

70- 74 Brown monocot peat
Th②3 Ld③1
n3 s2 e3 s2 ℓ1

74- 79 Detritus peat
Dh3 Ld③1
n3 s3 e3 s2 ℓ1

79- 97 Gyttja
Dh1 Ag1 Ld③2 Ga+
n2 s2 e1 s2 ℓ1

97-102 Sandy clay
Ga2 Ag2 Ld③+ Dg+ Dh+
n2 s1 e0 s2 ℓ0

102-111 Gyttja plus wood
Dh2 Ag1 Ld③1
n2 s1 e1 s2 ℓ2

111-118 Grey sandy clay
Ag2 Ga2 Dh+
n1 s1 e0 s2 ℓ1

118-130 Sand
Ga4 Ag+
n1 s0 e0 s2 ℓ1

130-189 Alternating clay and sand bands repeating pattern of 111-118 cm and 118-130 cm above.

189-191 Detritus peat
Dh3 Ld④1
n3 s1 e1 s2 ℓ2

191-200 Clay (as above 111-118 cm)

200-275 Sandy clay, streaked with humus
Ag2 Ga1 Dh1 Ld④+
n1 s1 e0 s2 ℓ1

275-330 Black streaked organic clay
Ld④2 Ag2 Dh+
n3 s1 e0 s2 ℓ0

330-357 Core lost

357-374 Organic clay
Ag3 Dh1 Ld④+ Dℓ+
n2 s1 e0 s2 ℓ1

374-400 Woody detritus peat
Dh2 Dg1 Dℓ+ Ld④1
n3 s3 e1 s2 ℓ1

400-423 Organic clay
Dh2 Ag2 Ld④+
n3 s1 e1 s2 ℓ1

423-457 Moist, pink sandy clay
Ga2 Ag2
n2 s0 e0 s2 ℓ1

457-489 Pink clay with humus streaking
Ag2 As1 Ga1 Dℓ+ Ld④+
n2 s0 e0 s2 ℓ1

489-493 Sand
Ga4
n1 s0 e0 s2 ℓ1

493-501 Sandy detritus peat
Th②3 Ga1 Dℓ+ Ld④+
n3 s3 e1 s2 ℓ1

501-590 Pink sandy clay with humus
Ag2 Ga2 Ld④+
n2 s0 e0 s2 ℓ0

590-615 Organic clay
Ag2 Dh1 Ga1 Ld④+ Dℓ+
n3 s1 e0 s2 ℓ0

615-635 Detritus peat
Dh3 Ld③1
n3 s3 e2 s2 ℓ2

635-646 Gyttja
Dh2 Ld③1 Ag1
n3 s1 e1 s2 ℓ0

646-654 Detritus peat (as above 615-635cm)

654-660 Sand
Ga4
n1 s0 e0 s2 ℓ1

660-670 Firm sandy clay
Ag2 Ga1 As1 Gg(maj)+
n2 s0 e0 s2 ℓ0

ED7 (a) : 18/9/78, Russian, 82.577m.
(cm)
0- 20 Fibrous roots
Th⓪4 Ga+ Ag+
n3 s0 e3 s2 ℓ0

20- 67 Felted organic silt
Dh2 Ga1 Sh1 Dℓ+
n2 s3 e2 s3 ℓ1

67- 106 Woody silt/sand
Dℓ1 Ld③1 Ga2 Dh+ Dg+
n2 s2 e0 s2 ℓ1

106-127 Grey sand
Ga4 Ag+ Ld④+
n1 s1 e0 s3 ℓ1

127-134 Brown organic sand
Ld③2 Ga2 Dh+ Dg+
n3 s1 e1 s2 ℓ1

134-140 Sand
Ga3 Ld③1 Dh+ Ag+ Dg+
n2 s1 e0 s2 ℓ1

140-250 Alternating sand bands as above 127-140 cm.

250-266 Sandy gyttja
Dh2 Ga1 Ld③1 Dg+ Dℓ+
n2 s3 e1 s2 ℓ0

266-280 Woody gyttja
Dℓ1 Ld③2 Ga1 Ag+ Dh+ Dg+
n2 s2 e0 s2 ℓ1

280-288 Woody detritus peat
Dh2 Ld④2 Dℓ+ Ga+
n3 s3 e0 s2 ℓ1

288-341 Woody gyttja as above 266-280 cm

341-358 Grey sand
Ga4 Ag+ Ld④+
n1 s0 e0 s2 ℓ1

358-377 Woody gyttja as above 266-280 cm.

377-435 Sand/gravel
Ga2 Gg(maj)1 Ag1 Gg(min)+
n1 s0 e0 s2 ℓ0

ED8 : 11/10/78, gouge, 82.587 m.
(cm)
0- 20 Modern root zone
Th⓪3 Ld①1
n3 so e3 s2 ℓ0

20- 33 Organic detritus
Dh3 Ld②1
n3 s3 e3 s2 ℓ1

33- 36 Organic clay
Ag2 Dh2 Ld②+
n2 s1 e0 s2 ℓ1

36- 42 Organic detritus (as above 20-33 cm)

42- 50 Organic clay (as above 33-36 cm)

50-75 Turfa
Th①3 Ld①1 Ld④+
n3 s1 e2 s2 ℓ0

75- 90 Sandy organic clay
Ag2 Ga1 Dh1 Ld④+
n3 s1 e0 s2 ℓ1

90-138 Sandy clay
Ga3 Ag1 Dh+ Dℓ+
n2 s1 e0 s2 ℓ0

138-149 Sandy gyttja
Dh2 Ld③1 Ga1
n2 s2 e2 s2 ℓ1

149-208 Brown organic clay
Ag3 Dh1 Ld④+ Ga+
n2 s1 e0 s2 ℓ0

208-253 Sandy organic clay
Ga2 Ag1 Ld③1 Dh+
n2 s0 e0 s2 ℓ1

253-285 Grey organic clay, some sand
Ag3 Ga1 Dh+ Dℓ+
n1 s0 e0 s2 ℓ1

285-289 Woody organic detritus
Dh3 Ag1 Dℓ+ Ld④+
n3 s2 e1 s2 ℓ1

289-310 Organic clay
Ag2 Ga1 Dh1
n2 s1 e1 s2 ℓ0

310-317 Lost core

317-327 Sandy clay
Ga2 Ag2
n2 s0 e0 s2 ℓ1

327-333 Sandy organic detritus
Dh2 Ga1 Ag1 Ld③+ Dℓ+
n3 s2 e2 s2 ℓ1

333-338 Grey clay
Ag3 As1 Dh+ Ld③+
n1 s0 e0 s2 ℓ1

338-341 Sandy organic detritus (as above 327-333 cm)

341-364 Sand with wood and minor organic content
Ga3 Dℓ1 Ld③+ Dh+
n2 s1 e0 s0 ℓ1

364-385 Organic clay
Ag3 Dh1 Ga+ Ld④+
n1 s0 e0 s2 ℓ1

385-395 Brown clay with sand and wood
Ag2 Ga1 Dℓ1 Dh+ Ld③+
n3 s1 e0 s2 ℓ1

395-405 Pink sandy clay
Ag2 Ga1 Dℓ1 Dh+ Ld③+
n3 s1 e0 s2 ℓ1

405-440 Brown clay (as above 385-395 cm.)

440-460 Clay
Ag2 As1 Dℓ1 Dh+
n2 s1 e0 s2 ℓ0

460-485 Firm sandy clay with gravel.
Ag2 Ga1 Gg(maj)1
n2 s0 e0 s2 ℓ0

ED9 : 13/9/78, Russian, 82.972 m.
(cm)

0- 23 Stratum confusum

23- 57 Fibrous root material
Th①3 Sh1 Ga+
n2 s0 e4 s3 ℓ0

57- 65 Grey organic clay
Ag3 Ld②1 Ga+ Dg+ Dh+
n1 s0 e1 s2 ℓ1

65- 90 Brown gyttja
Dh2 Ld③2 Ga+ Dl+ Dg+ Ag+
n2 s2 e2 s3 ℓ0

90- 96 Well humified detritus peat
Dh2 Ld④2 Dℓ+
n3 s3 e2 s2 ℓ1

96-103 Brown gyttja (as above 65-90 cm)

103-205 Brown organic clay
Ag3 Ld③1 Dh+ Dg+
n2 s1 e1 s2 ℓ0

205-224 Grey organic sand/clay
Ga2 Ld④1 Ag1 Dh+ Dg+
n2 s0 e0 s2 ℓ1

224-285 Sandy clay with humus
Ag2 Ga1 Ld④1 Dh+ Dg+
n1 s0 e0 s2 ℓ0

285-365 Firm sandy clay with humus
Ga2 Ag1 Ld④1 Dg+ Dℓ+
n1 s0 e0 s2 ℓ0

365-390 Sandy clay and gravel
Ga1 Ag1 Gg(min)1 Gg(maj)1
n2 s0 e0 s2 ℓ0

390-405 Gravel
Gg(maj)2 Gg(min)1 Ga1
n1 s0 e0 s2 ℓ0

ED10 : 19/10/78, Gouge, 83.007 m.
(cm)

0- 21 Modern fibrous roots
Th°4
n3 s0 e4 s4 ℓ0

21- 37 Organic clay/gyttja
Ag1 Dh2 Ld②1
n2 s2 e2 s2 ℓ1

37- 50 Grey organic clay
Ag2 Dh2 Ld④+
n2 s2 e1 s2 ℓ1

50- 63 Organic clay
Th②2 Ag2 Ld②+
n2 s2 e2 s2 ℓ0

63-113 Black streaked organic clay
Ag2 Dh2 Ld④+
n2 s1 e0 s2 ℓ0

113-120 Dark grey clay
Ag3 Ld④1 Ga+
n2 s0 e0 s2 ℓ1

120-138 Detritus peat
Dh3 Ld④1 Dℓ+
n3 s2 e3 s2 ℓ0

138-200 Sandy organic clay
Ag2 Ga1 Dh1 Gg(min)+
n2 s0 e0 s2 ℓ0

200-360 Brown sandy clay
Ag2 Ga2 Ld④+
n2 s0 e0 s2 ℓ0

360-411 Brown clay with wood
Ag2 As2 Dℓ++ Ga+
n2 s0 e0 s2 ℓ0

411-479 Soft brown sandy clay
Ag2 Ga2
n2 s0 e0 s2 ℓ2

479-492 Firm sandy gravel
Ga2 Gg(min)1 Gg(maj)1
n2 s0 e0 s3 ℓ0

ED11 : 18/9/78, Russian, 83.262 m.
(cm)

0- 37 Fibrous root mat
Th①3 Dh1 Ld①+ Ag+ Ga+
n3 s0 e1 s2 ℓ1

37- 83 Organic gyttja
Dh2 Ld③2 Ga+ Ag+
n2 s2 e0 s2 ℓ1

83- 95 Brown sandy clay
As1 Ag2 Ga1 Ld④+ Dg+
n1 s0 e0 s2 ℓ2

95-117 Organic gyttja
Dh2 Ld④1 Ag1
n2 s2 e0 s2 ℓ1

117-140 Organic clay
Ag2 Dh1 Ld④1
n2 s1 e0 s2 ℓ1

140-195 Orange clay
Ag2 As2
n1 s0 e0 s2 ℓ0

195-220 Grey sandy clay
Ag3 Ga1
n1 s0 e0 s2 ℓ0

220-248 Monocot peat with clay intrustions to 230 cm.
Th④2 Ld④2 Ag+ Ga+
n3 s3 e2 s2 ℓ1

248-272 Detritus peat
Dh2 Ld④2 Ga+
n3 s3 e2 s2 ℓ3

272-283 Grey clay with wood
Ag2 As1 Ld④1 Dℓ+ Ga+ Dh+
n1 s0 e0 s2 ℓ1

283-305 Organic sandy gyttja
Dh2 Ld④1 Ga1 Ag+
n2 s3 e1 s2 ℓ1

305-319 Sandy organic clay
Ag2 Ga1 Ld④1 Dℓ+ Dh+
n2 s0 e0 s2 ℓ0

319-328 Pink clay
Ag2 As2 Ga+ Ld④+
n2 s0 e0 s2 ℓ0

328-350 Brown clay
Ag3 As1 Dℓ+
n1 s0 e0 s2 ℓ0

350-389 Brown sandy clay with gravel
Ag2 Ga1 As1 Gg(maj)+
n2 s0 e0 s2 ℓ0

389-400 Soft pink clay
Ag2 As2 Ga+

ED 11 (a) : 11/10/78, Gouge, 82.882 m.

(cm)

0- 30 Fibrous root mat
Th①3 Dh1
n3 s0 e1 s2 ℓ1

30- 45 Orange mottled clay with sand
Ag2 Ga2
n2 s0 e0 s0 ℓ1

45- 53 Sandy detritus
Dh3 Ga1
n3 s3 e2 s2 ℓ1

53- 70 Orange mottled clay (as above 30-45 cm)

70-137 Soft grey clay with black streaks
Ag3 Ga1 Dh+ Ld④+
n2 s0 e0 s2 ℓ0

137-140 Sandy gravel
Ga3 Gg(maj)1
n1 s0 e0 s2 ℓ0

ED 11 (b) : 19/10/78, Gouge, 83.012 m.

(cm)

0- 37 Modern root mat
Th◎4
n3 s0 e0 s2 ℓ0

37- 88 Highly organic clay
Ag1 Th②2 Dh1
n2 s1 e2 s2 ℓ0

88-130 Sandy clay
Ga1 Ag2 Ld④1 Dh+
n2 s0 e0 s2 ℓ0

130-150 Grey sandy clay
Ag2 Ga2 Ld④+
n2 s0 e0 s2 ℓ0

150-160 Gravelly sand
Ga2 Gg(maj) 2 Gg(min)+
n2 s0 e0 s3 ℓ0

ED 11 (c) : 10/10/78, Gouge, 83.037 m

(cm)

0- 16 Modern root mat
Th①4
n3 s0 e4 s3 ℓ1

16- 37 Organic clay
Ag2 Ga1 Ld③1 Dh+
n2 s2 e0 s2 ℓ0

37- 51 Sandy clay
Ag2 Ga2 Ld③+
n2 s2 e0 s2 ℓ0

51- 58 Detritus peat
Dh3 Ld④1
n3 s3 e3 s2 ℓ1

58- 62 Grey organic clay
Ag3 Dh1 Ld③+
n2 s0 e0 s2 ℓ1

62- 67 Detritus peat (as above 51-58 cm)

67- 85 Brown organic clay
Ag2 Dh1 Ld④1
n2 s1 e0 s2 ℓ1

85-100 Soft grey clay
Ag2 As1 Ga1 Ld③+
n1 s0 e0 s2 ℓ1

100-120 Organic clay
Ag2 Dh1 Ld③1 Ga+
n2 s1 e0 s2 ℓ0

120-124 Peat
Dh2 Th②1 Ld④1
n3 s2 e2 s2 ℓ1

124-144 Organic clay
Ag2 Dh1 Ld③1
n2 s1 e0 s2 ℓ1

144-324 Soft grey sandy clay
Ag2 Ga2 As+ Dh+ Dℓ+ Ld④+
n1 s0 e0 s2 ℓ2

324-330 Sand and gravel
Ga3 Gg(maj)1
n1 s0 e0 s2 ℓ0

330-380 Sandy grey clay (as above 144-324 cm)

380-383 Very organic clay
Dh3 Ag1
n3 s2 e2 s2 ℓ1

383-400 Stiff sandy clay
Ag2 Ga1 Gg(maj)1
n2 s0 e0 s2 ℓ0

ED 11 (d) : 21/9/78, Russian, 83.487 m

(cm)

0- 12 Fibrous root mat
Th①4
n3 s0 e4 s2 ℓ0

12- 31 Turfa
Th③4
n3 s1 e2 s2 ℓ0

31- 42 Organic clay
Ag3 Ld④1 Dh+ Ga+
n2 s0 e0 s2 ℓ1

42- 71 Turfa (buried surface?)
Th③4
n3 s0 e2 s2 ℓ1

71-100 Organic clay
Ag3 Ld②1 Dh+ Ga+
n1 s0 e0 s2 ℓ1

100-109 Organic gyttja
Dh2 Ld④2
n3 s3 e2 s2 ℓ0

109-215 Organic clay
Ag2 Ld④1 Ga1 Dℓ+ Dh+
n2 s0 e0 s2 ℓ1

215-223 Detritus peat
Dh2 Th③1 Ld④1 Dℓ+ Dg+
n3 s3 e2 s2 ℓ0

223-230 Organic gyttja
Dg2 Ld④1 Ag1 Dℓ+
n3 s2 e1 s2 ℓ0

230-264 Detritus peat
Dh3 Ld④1 Dℓ+ Dh+
n3 s3 e3 s2 ℓ0

264-328 Grey clay with wood
Ag2 As1 Ld③1 Dℓ+ Dh+ Ga+
n1 s1 e0 s2 ℓ1

328-354 Clay
As2 Ag2 Dℓ+ Ga+ Ld①+
n1 s0 e0 s2 ℓ1

354-378 Sandy clay
Ag2 Ga2 Ld②+
n2 s0 e0 s2 ℓ0

378-387 Greasy brown clay with wood
Ag3 Ga1 Ld②+ Dℓ+
n2 s0 e0 s2 ℓ1

387-400 Sand and gravel
Ga1 Gg(min) As1 Ag1 Ld①+
n2 s0 e0 s2 ℓ0

ED 11 (e) : 19/10/78, Gouge, 82.997 m.

(cm)

0- 12 Fine organic mud
Ld①4
n3 s0 e0 s2 ℓ0

12- 33 Fibrous root mat
Th①4
n3 s0 e3 s2 ℓ0

33- 70 Organic gyttja
Th②2 Dh1 Ld②1
n3 s2 e2 s2 ℓ1

70- 82 Organic clay
Dh2 Ag2 Ld③+ Ga+
n2 s1 e0 s2 ℓ1

82- 91 Organic gyttja
Th(2)1 Dh2 Ld(3)1
n3 s2 e2 s2 ℓ1

91-115 Organic clay (as above 70-82 cm)

115-125 Organic gyttja
Dh2 Ag1 Ld(3)1
n3 s2 e1 s2 ℓ1

125-133 Detritus peat
Dh3 Ld(3)1 Ag+
n3 s3 e3 s2 ℓ0

133-146 Organic gyttja
Dh2 Ld(3)2
n2 s2 e2 s2 ℓ1

146-162 Monocot peat
Th(3)4 Dℓ+ Dh+
n3 s2 e2 s3 ℓ0

162-200 Brown sandy mixed monocot/detritus peat
Th(3)3 Dh1 Ga+
n3 s3 e2 s2 ℓ0

200-244 Organic clay/gyttja
Ag2 Dh1 Ld(4)1 Dℓ+ Ga+
n3 s2 e1 s2 ℓ1

244-247 Sand
Ga4 Dℓ+
n2 s0 e0 s3 ℓ0

247-260 Organic sand
Ga2 Dh1 Dℓ1
n2 s0 e0 s3 ℓ0

260-262 Gravel
Gg(maj)4
n2 s0 e0 s2 10

ED 11 (f) : 11/10/78, Gouge, 82.292 m.

(cm)

0- 20 Surface root zone
Th◎4
n3 s0 e4 s3 ℓ1

20- 85 Organic sandy clay
Ga1 Dh2 Ag1 Ld③+
n1 s0 e0 s1 ℓ0

(rock prevented further penetration)

ED 12 : 21/9/78, Russian, 83.517 m

(cm)

0- 74 Stratum confusum (spoil from trenching?)

74- 92 Fibrous root mat with wood and other detritus material
Th②2 Ld②2 Dℓ+ Dh+ Ag+
n2+ s1 e2 s2 ℓ0

92-105 Organic clay
Ag2 Ld④2 Ga+ Th②+
n2 s0 e0 s2 ℓ1

105-127 Grey clay
Ag3 Ld④1 Dh+ Dg+ Ga+
n2 s0 e0 s2 ℓ0

127-155 Monocot peat considerable detritus including wood and twigs - very wet.
Dh2 Ld③2 Dℓ+ Dg+
n3 s3 e3 s2 ℓ0

155-165 Pink grey organic clay with wood - very smooth and damp
As1 Ag2 Ld④1 Dℓ+ Dh+
n1 s0 e0 s2 ℓ0

165-185 Highly organic gyttja (verging on peat)
Ld④2 Dh③2 Dg+ Dℓ+
n3 s3 e2 s2 ℓ0

185-215 Organic gyttja
Ag1 Ld④1 Dh2 Dℓ++ Dg+
n2 s2 e1 s2 ℓ0

215-224 Heavy grey clay
Ag2 As2 Ld④+ Dℓ+ Ga+
n1 s0 e0 s2 ℓ0

224-238 Organic gyttja
Ld④1 Dh2 Ag1 Dℓ+ Dg+
n2 s3 e1 s2 ℓ0

238-254 Light grey sandy clay with wood
As1 Ag2 Ga1 Dℓ++ Ld④+
n0 s0 e0 s2 ℓ0

254-268 Pink grey sandy clay
Ag3 Ga1 Dℓ+ Dh+ Ld④+
n1 s0 e0 s2 ℓ0

268-350 Smooth brown clay
Ag3 As1 Dℓ+
n1 s0 e0 s2 ℓ0

350-450 Heavy pink/brown gravelly sandy clay
Ag2 Ga1 Gg(maj)1 Gg(min)+
n1 s0 e0 s2 ℓ0

ED 12(a) : 21/9/78, Russian, 83.482 m

(cm)

0- 16 Fibrous root mat
Th①4
n3 s0 e2 s2 ℓ0

16- 36 Fibrous turfa
Th②4 Ga+
n3 s0 e2 s2 ℓ0

36- 77 Organic clay (sand bands at 66 cm and 70 cm)
Ag2 Ld③1 Ga1 Dh+ Dg+
n2 s2 e1 s2 ℓ1

77- 88 Monocot peat
Th③4
n2 s2 e1 s2 ℓ1

88-110 Organic clay (as above 36-77 cm)

110-183 Brown sandy clay
Ag2 Ga2 Ld③+ Dh+
n1 s0 e0 s2 ℓ1

183-267 Grey clay with wood
Ag2 Dℓ1 Ga1 Ld③+ Dh+
n2 s0 e0 s0 ℓ1

267-300 Pink clay, increasing gravel
Ag3 Ga1 Gg(min)+ Ld①+ Dℓ+
n2 s0 e0 s2 ℓ0

300-390 Soft brown sandy clay
Ag2 As1 Ga1 Gg(min)+ Gg(maj)+
n2 s0 e0 s2 ℓ0

390-400 Sandy clay with gravel
Ag1 As1 Ga1 Gg(min)1 Gg(maj)+
n2 s0 e0 s2 ℓ0

ED 12 (b) : 24/9/78, gouge, 83.337 m

(cm)

0- 10 Root mat
Th◎3 Ld①1
n3 s0 e3 s2 ℓ0

10- 31 Root mat with moist organic sediments
Th①2 Ld①2
n3 s0 e1 s2 ℓ0

31- 54 Organic sandy clay
Ag1 Ld②2 Ga1 Dh+ Dg+
n2 s3 e1 s2 ℓ1

54- 59 Grey clay
Ag3 Ld③1 Dh+ Dg+
n1 s0 e0 s2 ℓ2

59- 76 Organic clay/gyttja
Ld③2 Ag1 Dg1 Ga+ Dg+
n2 s2 e0 s2 ℓ0

76-104 Organic clay/sand
Ag2 Ld③1 Ga1 Dg+ Dh+
n1 s0 e0 s2 ℓ0

104-119 Organic gyttja with considerable wood
Ld③2 Dh2 Dℓ+ Dg+
n3 s3 e1 s2 ℓ0

119-138 Organic gyttja
Ld③2 Dh2 Ag+
n2 s3 e1 s2 ℓ1

138-152 Organic gyttja (as above 104-119 cm)

152-160 Saturated sandy gyttja
Ld④3 Ga1
n3 s0 e0 s1 ℓ1

160-170 Organic gyttja (as above 104-119 cm)

170-177 Organic gyttja (as above 119-138 cm)

177-200 Organic gyttja (green colouration)
Ld③2 Dh2 Ag+ Dg+ Dℓ+
n3 s3 e1 s2 ℓ0

200-225 Detritus peat
Dh2 Ld④2 Ag+ Ga+ Dg+ Dℓ+
n3 s3 e1 s2 ℓ0

225-260 Grey organic sand/clay
Ag3 Ga1 Dℓ+ Dh+ Gg(maj)+
n1 s0 e0 s2 ℓ1

260-300 Brown organic clay
Ag3 Ga1 Dℓ+
n1 s0 e0 s2 ℓ1

300-475 Clay with increasing sand/gravel
Ag3 Ga1 Dℓ+
n1 s0 e0 s2 ℓ0

475-500 Clay/sand with gravel
Ag2 Ga1 Gg(maj)1
n1 s0 e0 s2 ℓ0

ED 13 : 24/9/78, Russian, 83.372 m
(Core used for pollen sample. Description p. 41, volume 1)

ED 13 (a) : 24/9/78, gouge, 83.357 m
(cm)

0- 13 Modern root zone
Th◎3 Ld◎1 Ag+
n3 s0 e3 s2 ℓ0

13- 32 Organic silt/clay
Dh2 Ag1 Ld①1
n3 s3 e1 s2 ℓ1

32- 48 Organic clay/silt
Ag2 Dh1 Ld②1 Ga+ Dg+
n3 s2 e0 s2 ℓ1

48- 62 Organic sand/clay
Ag2 Ga1 Ld②1 Dh+ Dg+
n3 s2 e0 s2 ℓ1

62- 66 Grey sand
Ga3 Ag1 Dh+ Dg+ Ld③+
n1 s1 e0 s2 ℓ1

66-182 Grey clay
Ag2 Ga1 Ld③1 Dh+ Dg+
n2 s0 e0 s2 ℓ0

182-209 Dark brown monocot peat
Th④4 Dh+ Dℓ+ Ga+
n3 s3 e4 s2 ℓ0

209-220 Brown organic gyttja
Ld④2 Dh1 Ag1 Ga+ Dg+
n3 s3 e1 s2 ℓ1

220-260 Pink clay
Ag3 Ga1 Dg+
n1 s0 e0 s2 ℓ2

260-280 Sand/clay with gravel
Ag2 Ga1 Gg(maj)1
n1 s0 e0 s2 ℓ0

ED 13 (b) : 21/9/78, Russian, 83.267 m

(cm)

0- 11 Fibrous root zone
Th①4
n3 s0 e3 s2 ℓ0

11- 19 Fibrous turfa with sand
Th②3 Ga1
n3 s0 e1 s2 ℓ0

19- 74 Brown, very sandy clay
Ga2 Ag1 Ld②1 Dh+ Dg+
n2 s2 e0 s2 ℓ0

74- 87 Brown sand/clay
Ag2 Ga1 Ld②1 Dh+ Dg+
n2 s1 e0 s2 ℓ0

87-103 Organic sand/clay
Ga2 Ag1 Ld③1 Dh+ Gg(min)+
n1 s1 e0 s2 ℓ2

103-125 Humified detritus peat
Dh3 Ld④1 Dℓ+
n3 s3 e2 s2 ℓ0

125-146 Grey woody clay
Ag2 As2 Ld④1 Dℓ+
n1 s0 e0 s2 ℓ0

146-186 Sandy clay with some gravel and wood
Ag2 As1 Ga1 Gg(maj)+ Dℓ+ Ld④+
n2 s0 e0 s2 ℓ1

186-191 Organic gyttja with mineral content
Ld④2 Ag1 Ga1 Dg+
n3 s0 e0 s2 ℓ1

191-195 Sandy clay (as above 146-186 cm)

195-198 Black detritus peat (as above 103-125 cm)

198-206 Sandy clay (as above 146-186 cm)

206-243 Organic gyttja (as above 186-191 cm plus wood, Dℓ+)

243-271 Grey clay/sand
Ag2 As1 Ga1 Gg(min)+ Dℓ+ Ld③+
n2 s0 e0 s2 ℓ1

271-300 Brown clay/sand
Ag2 As1 Ga1 Gg(min)+ Gg(maj)+
n1 s0 e0 s2 ℓ0

300-340 Sand
Ga4
n1 s0 e0 s3 ℓ0

ED 14 : 18/9/78, Russian, 84.037 m

(cm)

0- 8 Root mat
Th①3 Sh1 Ga+ Ag+
n2 s0 e3 s2 ℓ0

8- 29 Organic gyttja, clay increasing with depth
Th②2 Sh2 Ga+ Ag+
n3 s0 e2 s2 ℓ0

29- 43 Organic silt/clay
Th②1 Ld②2 Ag1 Ga+
n2 s0 e1 s2 ℓ0

43- 59 Organic clay/silt
Dh1 Ld②1 Ag2 Ga+ Dℓ+
n1 s0 e0 s2 ℓ0

59- 78 Organic gyttja
Dh2 Ld③1 Ag1 Ga+ Dℓ+
n2 s2 e0 s2 ℓ0

78- 89 Dark brown detritus peat
Dh2 Ld③2 Dℓ+
n3 s2 e4 s2 ℓ1

89-195 Organic clay with wood. Bands of sand traces
Ag2 Dℓ1 Ld③1 Ga+ Dh+
n1 s1 e0 s2 ℓ0

195-225 Grey sandy clay (gravel traces)
Ag3 Ga1 Ld③+ Gg(maj)+
n1 s0 e0 s2 ℓ0

225-300 Pink clay with increasing sand and gravel
Ag2 As1 Ga1 Gg(maj)+ Gg(min)+
n1 s0 e0 s2 ℓ0

ED 15 : 23/9/78, gouge, 84.182 m
(cm)

0- 5 Root mat
Th①3 Ld①1, Ga+
n3 s0 e2 s2 ℓ1

5- 10 Root mat, increasing clay
Th①2 Ld①1 Ag1 Ga+
n2 s0 e1 s2 ℓ0

10- 31 Organic sandy clay
Ag2 Ga1 Dh1 Ld③+ As+ Dg+
n3 s1 e1 s2 ℓ1

31- 64 Grey clay
Ag2 Ga1 Ld③1 Dℓ+ Dh+ Dg+
n1 s0 e0 s2 ℓ1

64- 76 Sandy clay
Ag1 Ga2 Ld③1 Dh+ Dg+
n1 s0 e0 s2 ℓ0

76-100 (lost from core, similar to above 64-76 cm)

100-105 Sandy clay (as above 64-76 cm)

105-121 Sandy clay, wet (as above 64-76 cm)

121-144 Brown sandy clay with gravel
Ag3 Ga1 Gg(maj)+ Ld④+ As+
n1 s0 e0 s2 ℓ0

144-200 Heavy brown sandy clay, wood fragments
Ag2 As1 Ga1 Dℓ+ Gg(maj)+
n1 s0 e0 s2 ℓ0

200-300 Sandy clay with gravel
Ag2 Ga2 Gg(maj)+
n2 s0 e0 s2 ℓ0

ED 16 : 23/9/78, gouge, 84.242 m

(cm)

0- 10 Root mat
Th①2 Ag+ Ld①2 Ga+
n3 s0 e2 s2 ℓ0

10- 68 Grey organic sandy clay
Ag2 Ld③1 Ga1 Dg+ Dℓ+
n2 s2 e0 s2 ℓ0

68-100 Grey organic sand/clay

Ga2 Ag1 Ld③1 Dh+ Dg+ Dℓ+

n1 s1 e0 s2 ℓ0

100-210 Grey sand with wood

Ga4 Dℓ+ Ag+ Dg+ Dh+

n1 s2 e0 s2 ℓ0

210-215 Organic sand

Ga2 Dh2 Ag+ Dℓ+ Dg+

n3 s3 e1 s2 ℓ1

215-218 Grey sand/clay

Ag2 Ga2 Dh+ Dg+

n1 s0 e0 s2 ℓ0

218-221 Sandy gravel

Ga3 Gg(maj)1

n2 s0 e0 s2 ℓ0

3.2 Black Lough

BL 1 : 7/11/78, Russian, 217.12 m

(cm)

0- 25 Brown fibrous monocot. peat with small amount of Sphagnum
Th①2 Sh2 Tb①(Spag)+
n3 s0 e2 s3 ℓ0

25- 50 Dark brown fibrous monocot. peat with some Sphagnum and trace of Phragmites incr. to 50 cm. Black/dark brown bands through profile.
Th②2 Sh2 Tb+
n3 s1 e2 s3 ℓ1

50- 98 Woody fibrous peat - wood apparently detrital. Monocot. mainly Eriophorum and Phragmites
Th②② Sh2 Dℓ+ (wood conc. at 55, 67, 73, 80, 85 & 95 cm)
n3 s0 e2 s3 ℓ1

98-110 Organic silty clay
Th③1 Ld④1 Ag2 Ga+ As+ Sh+
n3 s1 e0 s2+ ℓ0

110-120 Yellow sand with black streaking + detritus incl. charcoal (sample taken)
Ga2 Ag1 Dℓ+(charcoal) Dh+ Gg+
n1 s2 e0 s3 ℓ0

BL 2 : 7/11/78, Russian, 217.135 m

(cm)

0- 77 Mixed Sphagnum Monocot peat - bands of Eriophorum
Tb①2 Th①1(Erioph) Sh1
n3 s0 e3 s2+ ℓ1

77-100 V. fibrous dark brown Eriophorum peat
Th②3 Sh1
n3 s0 e1 s2 ℓ0

100-150 Mixed Sphagnum/Monocot peat - bands of Eriophorum (as above 0-77 cm)

150-200 Highly humified mixed Sphagnum/monocot peat

Th③1 Tb③1 Sh2

n3 s1 e1 s2 ℓ0

200-250 Well humified Sphagnum peat

Tb③3 Th+ Sh1

n3 s0 e1 s2 ℓ0

250-276 Well humified monocot peat (Eriophorum)

Th③2 Sh2

n3 s0 e1 s2 ℓ1

276-350 Well humified Sphagnum peat + trace of Eriophorum

Tb③2 Sh2 Th+(Erioph)

n3 s0 e1 s2 ℓ0

(Band of Eriophorum 310-320 cm)

350-400 Dark well humified peat

Tb③1 Th③1 Sh2

n3+ s0 e0 s2 ℓ0

400-450 Very humified material, similar to above + detritus.

Sh3 Tb④1 Th④+ Dh+

n3+ s0 e0 s2 ℓ0

450-535 Woody/monocot peat

Th③2(Erioph) Sh2 Dℓ+

n3 s0 e1 s2+ ℓ1

535-550 Firm detritus peat (with wood)

Dh3 Dℓ1 Th③+ Ld④ +

n3 s3 e1 s3 ℓ0

550-572 Woody monocot peat with detritus

Th③2 Sh2 Dℓ+(Birch) Dh+

n3 s1 e1 s3 ℓ0

572-592 Very humified monocot peat

Sh3 Th③1

n3 s0 e0 s3 ℓ1

592-607 Organic clay with black bands

Ag2 As1 Ld④1 Ga+ Dh+

n2 s2 e0 s3 ℓ0

607-640 Blue/Grey sandy clay

Ag2 Ga1 As1

n1 s0 e0 s2 ℓ0

BL 3 : 16/11/78, Russian, 216·98 m

(cm)

0- 16 Slightly fibrous monocot peat

Th①3 Sh1

n3 s0 e3+ s3 ℓ0

16- 40 Fibrous monocot peat

Th①3 Sh1

n3 s0 e3 s3 ℓ0

40- 50 Moist humified monocot peat

Th③2 Sh2 Tb③+

n3 s0 e1 s2 ℓ0

50- 78 Sphagnum peat + some fibrous monocot

Th②2 Tb②1 Sh1

n3 s0 e3 s2 ℓ0

78-148 Monocot peat, mainly fibrous

Th②3 Sh1 Tb②+ Dh+

n3 s0 e3 s2 ℓ0

148-183 Sphagnum peat

Tb②2 Sh2 Th②+ Dh+

n3 s0 e3 s2 ℓ0

183-250 Humified Monocot peat, mainly Eriophorum + small amounts wood

Th③2 Sh2 Dℓ+ Dh+

n3 s0 e2 s2 ℓ0

250-368 Finely felted, well humified monocot peat. Some Sphagnum
Th③1 Sh3 Tb③(Sphag)+ Dh+
n3 s0 e1 s2 ℓ0

368-467 Very moist, highly humified monocot peat with considerable wood (Birch)
Th④1 Sh3 Dℓ+ Tℓ+
n3 s0 e0 s1 ℓ1

467-484 Mottled orange/brown sandy gravel with considerable wood and detritus
Ga2 Gg2 Dℓ++ Dh+ Ld④+
n2 s0 e0 s1 ℓ1

484-500 Grey sandy silt with wood and charcoal (partic. piece at 496)
Ga2 Ag2 Dℓ+ Charcoal+ Dh+ Ld④+ Gg+
n2 s0 e0 s1 ℓ0

BL 4 : 7/11/78, Russian, 216.8m

(cm)

0- 38 Brown monocot peat. Slightly crumbly, dry. Dark brown banding.
Th①2 Sh2
n3 s0 e1 s3 ℓ0

38- 50 Mixed monocot/Sphagnum peat
Th②1 Tb②1 Sh2 Dh+
n3 s1 e1 s3 ℓ0

50-135 Monocot peat (50-72 Eriophorum) Colour banding
Th②2 Sh2 Dh+
n3 s0 e1 s3 ℓ0

135-293 Slightly felted, mixed monocot/Sphagnum peat. (Sphagnum and monocot in definite bands of approx. 20 cm each.)
Tb③1 Th③1 Sh2 Dh+
n3 s1 e0 s2 ℓ0

293-310 Sphagnum peat with woody detritus
Tb③2 Sh2 Dℓ+ Dh+
n3 s0 e1 s3 ℓ0

310-375 Moist well-humified monocot peat with woody detritus and trace of humified Sphagnum
Sh3 Th③1 Dℓ+ Dh+ Db③+
n3 s0 e0 s2 ℓ0

375-400 As above + charcoal

400-418 Detritus peat with wood - well humified
Dh1 Dℓ1 Ld④2
n3 s3 e0 s2 ℓ3

418-434 Yellow sandy clay with black bands + detritus
Ga2 Ag2 Dh+ Dℓ+ Ld④+
n1 s3 e0 s3 ℓ0

434-450 Grey/blue sandy clay with occasional gravel
Ga2 Ag2 Gg+
n1 s1 e0 s3 ℓ0

BL 5 : 16/11/78, Russian, 216.16m.
(cm)

0- 42 Highly humified, firm dry monocot peat
Th③1 Sh3
n3 s0 e2 s3 ℓ0

42- 62 Well humified moist felted dark brown monocot peat
Th③1 Sh3
n3 s0 e3 s2 ℓ0

62-145 Humified moist monocot peat with traces of Sphagnum
Th②2 Sh2 Tb③+
n3 s0 e3 s2 ℓ0

145-264 Finely felted well humified monocot peat, moist, becoming very moist to base.
Th③1 Sh3 Tb+
n3 s0 e3 s2 ℓ0

264-343 Beginning of wood in very moist, highly humified monocot peat

Th④1 Sh3 Tb④(sphag)+ Dℓ++

n3 s1 e1 s2 ℓ1

343-345 Sandy silt

Ga2 Ag2

n1 s0 e0 s2 ℓ0

BL 6 : 8/11/78, Russian, 213.67m

(cm)

0- 40 Brown highly humified, crumbly, slightly felted monocot peat. Charcoal at 15 cm.

Th③1 Sh3 Dh+

n3 s2 e2 s3 ℓ0

40- 66 Well humified Sphagnum peat, felted and crumbly. Some monocot.

Tb③1 Th③1 Sh2 Dh+

n3 s2 e2 s3 ℓ0

66- 74 Fibrous, well humified Eriophorum peat

Th③3 Sh1 Dh+

n3 s2 e2 s3 ℓ1

74- 88 Banded, (well humified/less humified) Sphagnum peat + woody detritus. Crumbly and felted

Tb ②&③ 3 Sh1 Dℓ+ (wood bands at 75, 85) Dh+

n3 s2 e3 s3 ℓ0

88- 95 Eriophorum peat, fibrous and well humified

Th③3 Sh1

n3 s1 e2 s3 ℓ1

95-162 Well humified mixed Sphagnum/monocot peat

Th②1 Tb②1 Sh2 Dh+ Dℓ+

n3 s2 e3 s3 ℓ0

(Eriophorum band 159-62 cm)

162-200 Mixed Sphagnum/monocot peat with detritus wood. (Heavy wood at 200 cm.)

Tb③1 Th③1 Sh2 Dℓ++ Dh+

n3 s2 e1 s3 ℓ0

200-215 Woody detritus peat

Dℓ3 Ld④1

n2 s0 e0 s2 ℓ0

215-235 Well humified Sphagnum peat + detritus wood

Tb③2 Sh2 Dℓ++

n3 s2 e2 s3 ℓ1

235-285 Eriophorum peat

Th③2 Sh2 Dℓ+(245 cm)

n3 s2 e2 s3 ℓ1

285-295 Woody detritus peat (wood zones 285, 295 cm)

Dℓ1 Dh2 Ld④1

n3 s3 e2 s3 ℓ0

295-322 Fibrous monocot peat

Th③2 Sh2 Dℓ+

n3 s0 e2 s3 ℓ0

322-340 Wood detritus peat (Charcoal at 340 cm)

Dh2 Ld④2 Dℓ++ (mainly birch)

n3 s3 e1 s3 ℓ1

340-350 Grey silty clay + slight organic content

As1 Ag3 Ga+ Dh+ Ld④+

n2 s0 e0 s3 ℓ0

BL 7 : 16/11/78, Russian, 211·96 m

(cm)

0- 41 Very fibrous chocolate brown firm monocot peat

Th①3 Sh1

n3 s0 e1 s3 ℓ0

41- 64 Slightly fibrous, moist humified monocot peat with sand

Th②3 Sh1 Ga+

n3 s0 e2 s2+ ℓ0

64-158 Fibrous moist humified monocot peat with Birch wood at 80-90 cm.

Th③2 Sh2 Dℓ+ Dh+ Th+ Ga+

n3 s0 e1 s2 ℓ0

158-196 Fibrous Eriophorum peat + detritus wood

Th②3 Sh1 Dℓ+ Dh+ Th+

n3 s0 e1 s2 ℓ0

196-270 Highly humified moist monocot peat with much wood concentrated at 227-233 cm, 243-250 cm, pine cones at 248-255 cm. Large piece tree root at 250-262 cm.

Th④1 Sh3 Dℓ+ Tℓ+

n4 s1 e0 s2 ℓ0

270-281 Wood (sample taken)

Dℓ4

ℓ4

281-396 Highly humified Monocot/Detritus peat + wood 281-360 cm.

Th④1 Dℓ+ Dh+ Sh3

n3 s3 e1 s2 ℓ0

396-413 Slightly silty highly humified monocot peat

Th③1 Sh2 Ag1

n3 s2 e1 s3 ℓ2

413-421 Dark grey organic silt

Ag2 Ld④1 Dh1

n2+ s1 e0 s2 ℓ1

421-425 Sandy gravel

Ga3 Gg1 Ld④+

n2 s0 e0 s3 ℓ2

425-450 Dark Grey silt/sand

Ag3 Ga1 Dh+ LD④+

n2 s1 e0 s3 ℓ0

BL 8 : 8/11/78, Russian, 212.77 m

(cm)

0-113 Fibrous monocot peat
Th②2 Sh2 Tb(Sphag.)+
n3 s0 e3 s3 ℓ0

113-262 Mixed monocot/Sphagnum peat + woody detritus. Slightly fibrous
Th②2 Tb②1 Sh1 Dℓ+
n3 s1 e2 s3 ℓ0

262-300 Mixed Sphagnum/monocot peat
Tb②2 Th②1 Sh1 Dℓ+
n3 s1 e1 s2 ℓ0

300-458 Sphagnum peat
Tb②3 Sh1 Th+
n2 s1 e1 s3 ℓ0

458-540 Mixed Sphagnum/monocot peat incl. bands of Eriophorum
Tb③1 Th③1 Sh2 Dh+
n3 s1 e1 s2 ℓ0

540-550 Sphagnum peat (as above 300-458 cm)

550-632 Well humified monocot peat
Th③1 Dh+ Sh3 Dℓ+ Ag+
n3 s3 e1 s3 ℓ1

632-640 Brown organic silt
Ag2 Ga2 Ld④+ Th+
n3 s0 e0 s3 ℓ1

640-654 Grey silt
Ag3 Ga1 Ld④+
n2 s0 e0 s3 ℓ1

654-700 Grey organic clay/silt
As1 Ag2 Ga1 Dh+ Ld④+
n2 s0 e0 s2 ℓ0

BL 9 : 28/11/78, Russian, 213.4 m

(cm)

0- 41 Mixed Sphagnum/monocot peat, slightly fibrous with Calluna roots and small amounts of Eriophorum
Tb①2 Th①1 Sh1
n3 s0 e3 s3 ℓ0

41-125 Fibrous monocot peat with humified Sphagnum
Th①2 Sh2 Tb②+ Dh+(Calluna)
n3 s0 e1 s3 ℓ0

125-200 Felted well humified monocot peat + trace Sphagnum
Th②1 Sh3 Tb②+ Dh+(Calluna)
n3 s0 e1 s3 ℓ0

200-230 Moist Sphagnum peat, well humified
Tb③1 Sh3 Th③+ Dh+ Dℓ+
n3 s0 e0 s2 ℓ0

230-338 Moist felted well humified monocot peat
Th③1 Sh3 Tb③+ Dh+
n3 s0 e0 s2 ℓ0

338-380 Moist humified Sphagnum peat
Tb③2 Sh2 Th③+ Dh+ Dℓ+ Tℓ+
n3 s0 e0 s2 ℓ0

380-470 Moist well humified felted monocot peat
Th③1 Sh3 Tb④+ Dh+ Dℓ+ (Birch at 450 cm)
n3 s0 e0 s2 ℓ0

470-570 Moist Sphagnum peat well humified with layers of Eriophorum
Tb③2 Sh2 Th③+ Dh+ Dℓ+ (515 cm)
n3 s0 e0 s2 ℓ0

570-580 Firm sandy monocot peat
Th③2 Sh2 Ga+
n3 s0 e1 s2 ℓ0

580-600 Firm sandy highly humified peat
Th③1 Sh3 Ga+
n4 s0 e0 s2 ℓ1

600-606 Brown organic sandy silt
Ag2 Ga2 Dh+
n2 s0 e0 s2 ℓ1

606-650 Grey brown organic silt
Ag3 Ga1 Dh+
n2 s0 e0 s2 ℓ0

BL 10 : 9/11/78, Russian, 214.3 m

(cm)

0- 55 Highly humified, felted, dark brown monocot peat. Fibrous
Th③1 Sh3 Dh+
n3+ s2 e3 s3 ℓ0

55-145 Mixed Sphagnum monocot peat, less humified than 0-55 cm.
Tb②2 Th②1 Sh1 Dh+
n3 s1 e2 s2 ℓ0

145-212 Sphagnum peat
Tb②3 Sh1 Th②+ Dh+
n3 s2 e2 s2 ℓ0

212-320 Mixed Sphagnum/monocot with considerable wood
Th②1 Tb②2 Sh1 Dh+ Dℓ++ (Birch and Alder at 335 cm)
n3 s2 e1 s2 ℓ0

320-355 Moist monocot/Sphagnum peat with detritus wood
Th③1 Tb③1 Sh2 Dℓ++ Dh+
n3 s3 e0 s2 ℓ0

355-376 Eriophorum peat + wood
Th③2(E) Sh2 Dℓ++ Dh+
n3 s2 e0 s2 ℓ0

376-411 Detritus peat with considerable wood and some monocot remains
Dh2 Th③1 La④1 Dℓ++ Tb③+(Sphag.)
n3 s2 e1 s2 ℓ0

411-415 Wood section
Dℓ4
ℓ4

415-459 Very humified woody monocot peat
Th③1 Sh3 Dℓ++ Dh+
n3 s2 e1 s2 ℓ2

459-461 Gravel + sand
Ga2 Gg2
n1 s0 e0 s3 ℓ0

BL 11 : 16/11/78, Russian, 212.23m

(cm)

0- 26 Firm dry moderately fibrous monocot peat
Th①3 Sh1
n3 s0 e2 s3 ℓ0

26- 96 Moist fibrous monocot peat
Th②2 Sh2
n3 s0 e2 s2 ℓ0

96-155 Moist moderately humified, monocot peat with traces of wood
Th②2 Sh2 Dℓ+
n3 s0 e1 s2 ℓ0

155-254 Well humified monocot/Sphagnum
Th③1 Sh3 Tb④+
n3 s1 e0 s2 ℓ0

254-304 Well humified felted monocot peat
Th③1 Sh3 Dℓ+
n3 s1 e3 s2 ℓ0

304-356 Sphagnum peat well humified
Tb③1 Sh3 Th③+ Dℓ+
n3 s1 e1 s2 ℓ0

356-461 Monocot peat, well humified
Th③1 Sh3 Tb③+ Dℓ+ Tℓ+ (Root at 450 cm)
n3 s0 e1 s2 ℓ0

461-603 Humified, moist, monocot peat
Th④1 Sh3+ Dℓ+ Dh+
n3+ s1 e0 s2 ℓ0

603-611 Slightly silty monocot peat, highly humified
Th④1 Sh3 Ag+ Dh+
n3 s1 e0 s3 ℓ2

611-624 Brown silt with slight organic content
Ag4 Ld④+ Th④+ Ga+
n2+ s1 e0 s3 ℓ2

624-650 Grey/brown silt, slight organic content
Ag4 Ga+ Ld④+ Th④+
n2 s1 e0 s3 ℓ0

BL 12 : 14/11/78, Russian, 212.16 m

(cm)

0- 10 Mixed Sphagnum monocot peat
Tb①2 Th①1 Sh1 Ga+
n3 s1 e4 s3 ℓ0

10- 26 Dry dark brown well-humified monocot peat. Med. crumbly, slightly felted.
Th③1 Sh3 Tb+ Ga+
n3 s2 e3 s3 ℓ0

26-100 Moist well humified, felted, monocot peat
Th③1 Sh3 Ga+
n3 s1 e1 s2 ℓ0

100-117 Sphagnum peat
Tb②3(Sphag) Th②1 Sh+
n3- s1 e2+ s2 ℓ0

117-404 Well humified monocot peat. Felted. 1st. frag. of wood at 18 6 cm. Scattered minor frags. to 404 cm. when more wood appears.
Th③1 Sh3 Dℓ+
n3+ s2 e1 s2 ℓ0

404-424 Well humified monocot peat with wood fragments.
Th④1 Sh3 Dℓ++
n4 s1 e1 s2 ℓ0

424-500 Well humified, firm monocot peat. Occasional wood fragments.
Th③1 Sh3 Dℓ+
n3 s1 e2 s2 ℓ0

500-510 Woody highly humified monocot peat
Th④1 Sh3 Dℓ++
n4 s1 e1 s2 ℓ0

510-521 Well humified monocot peat
Th③1 Sh3
n3 s1 e1 s2 ℓ0

521-551 Fluid organic mud
Sh4 Th④+
n3 s0 e0 s1 ℓ1

551-565 Grey silt
Ag4 Ld②+
n2 s0 e0 s3 ℓ1

565-638 Brown organic silt - considerable amount of reed/sedge remains
Ag2 Th②1 Sh1
n2 s2 e0 s3 ℓ1

638-650 Grey/brown organic silt
Ag_3 Th②1 Sh+
n2 s2 e0 s2 l1

BL 12(a) : 1/2/79, Russian, 212.16m
(Sample core. Stratigraphic description p52, volume 1)

BL 13 : 28/11/78, Russian, 212.39 m

(cm)

0- 15 Slightly fibrous monocot peat (Calluna remains), humified and dry

Th①3 Sh1

n3 s0 e4 s3 ℓ0

15- 38 Finely felted well humified dry monocot peat

Th③1 Sh3

n3 s1 e2 s3 ℓ0

38- 72 Moist, felted, well-humified monocot peat

Th③1 Sh3 Dh+

n3+ s2 e1 s2 ℓ0

72-121 Fibrous monocot peat

Th②2 Sh2 Dh+

n3 s0 e1 s2 ℓ0

121-160 Moderately humified monocot peat. Trace of Sphagnum

Th②2 Sh2 Tb③+ Dh+

n3 s0 e1 s2 ℓ0

160-210 Eriophorum peat

Th②3(E) Sh1 Dℓ+

n3 s0 e0 s2 ℓ0

210-288 Monocot peat, narrow bands of fibrous Eriophorum and considerable detritus material. Small amount of wood at 242 cm. Heavier concentration (including roots) from 255-288 cm.

Th②2 Dh1 Sh1 Dℓ++ Dh+

n3 s2 e1 s2 ℓ0

288-320 Greasy highly humified peat. Fragments of charcoal.

Sh4 Th③+ Dh+ Dℓ+ Charcoal+

n3 s2 e0 s2 ℓ0

320-356 Well humified monocot peat - traces of charcoal.

Th③1 Sh3 Dh+ Dℓ+ Charcoal+

n3+ s2 e0 s2 ℓ0

356-370 Firm monocot peat with traces of sand

Th③1 Sh3 Ga+ Dh+ Dℓ+

n3 s2 e0 s2 ℓ0

370-373 Sandy gravel

Ga2 Gg(maj)2

n1 s0 e0 s2 ℓ0

BL 14 : 14/11/78, Russian, 213.08 m

(cm)

0- 28 Felted monocot peat

Th①3 Sh1

n3 s0 e3 s3 ℓ0

28- 55 Well humified moist monocot peat, mainly felted

Th③1 Sh3

n3 s1 e2 s2 ℓ1

55-104 Moderately humified monocot peat with fibrous "sedge" roots. Otherwise felted fine roots.

Th②3 Sh1 Dh+ Tb+ (Sph ag)

n3 s1 e3+ s2 ℓ0

104-120 Sphagnum peat

Tb②(Sphag)3 Sh1 Th②+ Dh+

n3 s2 e2 s2 ℓ0

120-202 Well humified monocot peat (incl. Eriophorum). Wood (Birch, Alder) common after 130 cm.

Th③3 Sh1 Dℓ+ Dh+

n3 s1 e1 s2 ℓ0

202-255 Banded monocot/Sphagnum peat with considerable wood detritus. Some Eriophorum.

Th③2 Sh2 Tb++(Sphag.) Dℓ+ Dh+

n3 s2 e1 s2 ℓ0

255-320 Heavy humified, fine felted monocot peat with much detritus wood - mainly birch. (Heavy wood at 265 cm.)

Th④1 Sh3 Dℓ++ Dh+

n3+ s2 e1 s2 ℓ0

320-338 Heavily humified monocot peat with faint root traces in moist organic matrix. Much wood detritus - heavy at 324 cm.

Sh4 Th④+ Dℓ+

n3 s2 e1 s2 ℓ1

338-344 Brown sandy silt + organic matter

Ga2 Ag1 Ld④1 Dh+

n2 s0 e0 s3 ℓ1

344-350 Grey gravelly sandy silt

Gg1 Ga2 Ag1 Ld④+

n2 s0 e0 s3 ℓ0

BL15 : 14/11/78 Russian, 213.17 m

(Cm) Mixed Sphagnum monocot peat

0- 9 Tb①2 Th①2 Sh+

n2 s0 e3+ s3 ℓ1

9- 37 Monocot peat moderately fibrous

Th②2 Sh2

n3 s0 e3- s3 ℓ0

37- 76 Fibrous, well humified monocot peat, plus detritus wood

Th③2 Sh2 Dℓ+

n3+ s0 e1 s2 ℓ0

76-120 Very moist, well humified fibrous monocot peat with detritus birch/alder particularly between 100-120 cm. Large piece birch resting in sandy gravel at boundary. Fragment of tree root at 107 cm.

Th③2 Sh2 Tℓ+ Dℓ+

n3 s0 e0 s2 ℓ3 (wood)

120-150 Sandy gravel plus trace of organic content (Dh)

Ga3 Gg1 Ld④+ Dh+

n2 s1 e0 s3 ℓ1

150-168 Slightly organic silt

Ag4 Ld④+

n1 s0 e0 s3 ℓ0

168-174 Sandy silt

Ga2 Ag2 Ld④+

n1 s0 e0 s3 ℓ0