

UCG

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Jim,

We are sending you the bibliography and information on the computer package, which Margaret has compiled here at the Geophysics Unit.

all the best,

Mary Smyth

Jim Ryan.

ADVISORY COPY

REF-11TM System

A Data Base Management System
For Bibliographic References

Version 3.1 for VAX/VMS



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HARTFORD, CT 06106
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REF-11 User Documentation

by David Gerard

version 3.1

December 1, 1989

Introduction

REF-11 is a data base management system for bibliographic references. A data base of your references can be created, searched, updated, and output in various forms using the REF-11 system. A menu driven dialogue makes REF-11 easy to use, even for inexperienced computer users.

REF-11 uses full-screen data entry to create new references or to update existing references. The cursor keys allow you to move between data fields on a screen. Editing capability is provided to make changing existing data fast and simple.

The data base of references is stored in large data files called reference volumes. The data base may be distributed among any number of reference volumes. This is essential for maintaining large data bases on computer systems where direct access disk storage is in short supply (i.e. floppy disk based computer systems). Variable length direct access records are used within a reference volume to store the reference information. The variable length record format used by REF-11 is as fast as fixed length direct access storage (used by most data base programs) and uses less space than a text file would to store the same information.

Each reference entry within a reference volume may contain 16 authors, 8 lines for the reference title, 4 lines for the publication, the volume number, the pages cited, the year of publication, the city of publication, the publisher, 8 editors, 16 topics (keywords) covered by the reference, and 40 lines of comments (abstract) on the reference. Journal, Book, and Chapter reference types are already supported and other reference types can be created.

References can be located within a reference volume by searching for any combination of authors, years of publication, reference title, publication title, comments and topics covered by the reference. Wild cards may be included in any of the search parameters. In addition, a reference may be located by a unique ID number which each reference is assigned by the REF-11 system when it is created. Boolean logic (and-or-not) searches are supported and references can be previewed before they are selected.

REF-11 is capable of producing many different listings of the references in a reference volume. The listings may be sent to any device or file on the computer system. The references included in the listing may be all of the references in a volume, just user specified ID numbers, or just the references that meet your search parameters. Optionally, the references can be alphabetized in the listing. Output formats range from a one line summary of each reference to a comprehensive listing of each reference. An alphabetized listing of topics (keywords) or authors can be created.

One of the most powerful and unique features of the REF-11 system is the formatted bibliographic listing. The bibliography is formatted exactly as you want it. The page size, line spacing, punctuation, and format of the bibliography are controlled by the user. References can be alphabetized and journal titles can be abbreviated from user defined tables. Underlining, bold, superscript and subscript are supported.

A utility program is available that will read references downloaded from any on-line data base including National Library of Medicine (NLM), BRS and DIALOG. The references are stored in REF-11 reference volumes. The utility program (REFLOAD.EXE) is available for an additional charge.

Another utility program is available which can read a paper, insert reference citations where you want them in the paper, and produce a bibliography of the references cited. This utility program (REFWR.EXE) is available for an additional charge.

The amount of direct access storage required for a reference entry will depend on the amount of information in the reference. Approximately one byte will be required for each character entered into the reference. References with no comments and few topics will require about 100 bytes each. References may contain anywhere from 4 bytes to 4750 bytes of information. A file of 500 blocks will on average hold between 800 and 2000 references.

The REF-11 system has proven to be very reliable. Computer crashes usually do not result in any loss of data (except for the reference being entered). The only time a reference volume may become corrupt is if the computer crashes during a write operation to the disk. Most of the time even this will not corrupt your data.

DG Systems feels REF-11 is a very impressive piece of software for the money. We know of no other reference system on the market that is capable of doing all that REF-11 can do and still run fast even on a floppy based computer system. General purpose data base programs (dBASE-III, LOTUS 1-2-3, etc.) are usually much slower, use up much more disk space, and can not produce flexible output listings.

The version of REF-11 you purchased will run on Digital Equipment Corporation's (DEC's) VAX/VMS or micro VAX/VMS operating systems.

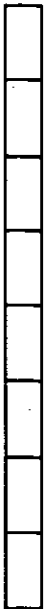
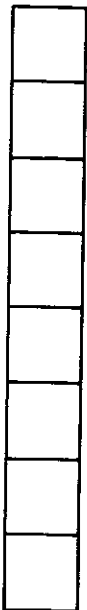
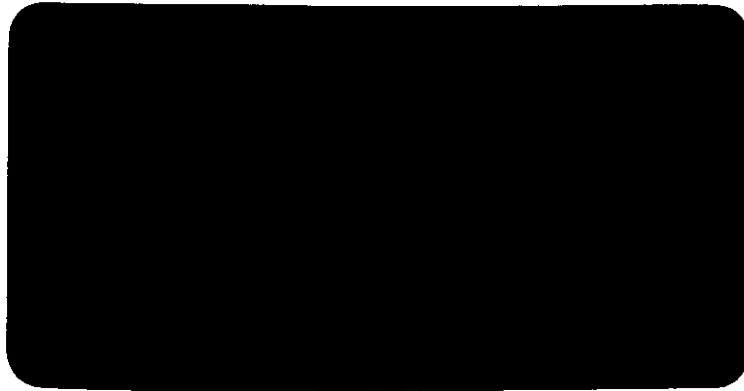
A version of REF-11 is available for the IBM PC-XT-AT-PS/2 or compatibles with more than 256K of memory and DOS 2.0 or later versions of DOS. If you have a computer that runs MS-DOS but is not IBM PC compatible (such as the RAINBOW), you may have to customize REF-11 for your computer system. The IBM PC version of REF-11 has features that are almost identical to those of the VAX/VMS version. Other versions of REF-11 are available for DEC's PDP-11 computer using the RT-11, RT-11 with TSX-Plus (from S & H Computer), RSX-11 and P/OS operating systems. The PDP-11 versions are restricted to 64K of memory and have most of the features of the VAX/VMS version. An older version of REF-11 is available for the CP/M 80 operating system. Reference volumes can be transferred between all REF-11 systems.

Feel free to write DG Systems with any problems, suggestions, or complaints you have regarding the REF-11 System. We will not be able to improve REF-11 unless we hear from you!

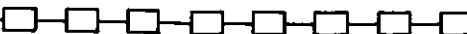
For further information contact DG Systems, 322 Prospect Ave., Hartford, CT 06106. (203) 247-8500.

UCG

Aonad na Geofisice Faidhmí, Coláiste na hOllscoile, Gaillimh, Éire.



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IRISH-DUTCH PEATLAND STUDY

GEOHYDROLOGY AND ECOLOGY

● *O. P. W. Wildlife Service, Dublin*

● *Department of Nature Conservation, Environmental Protection and Wildlife Management, The Hague*

● *Geological Survey of Ireland, Dublin*

● *National Forest Service, Utrecht*

AGP 91/1

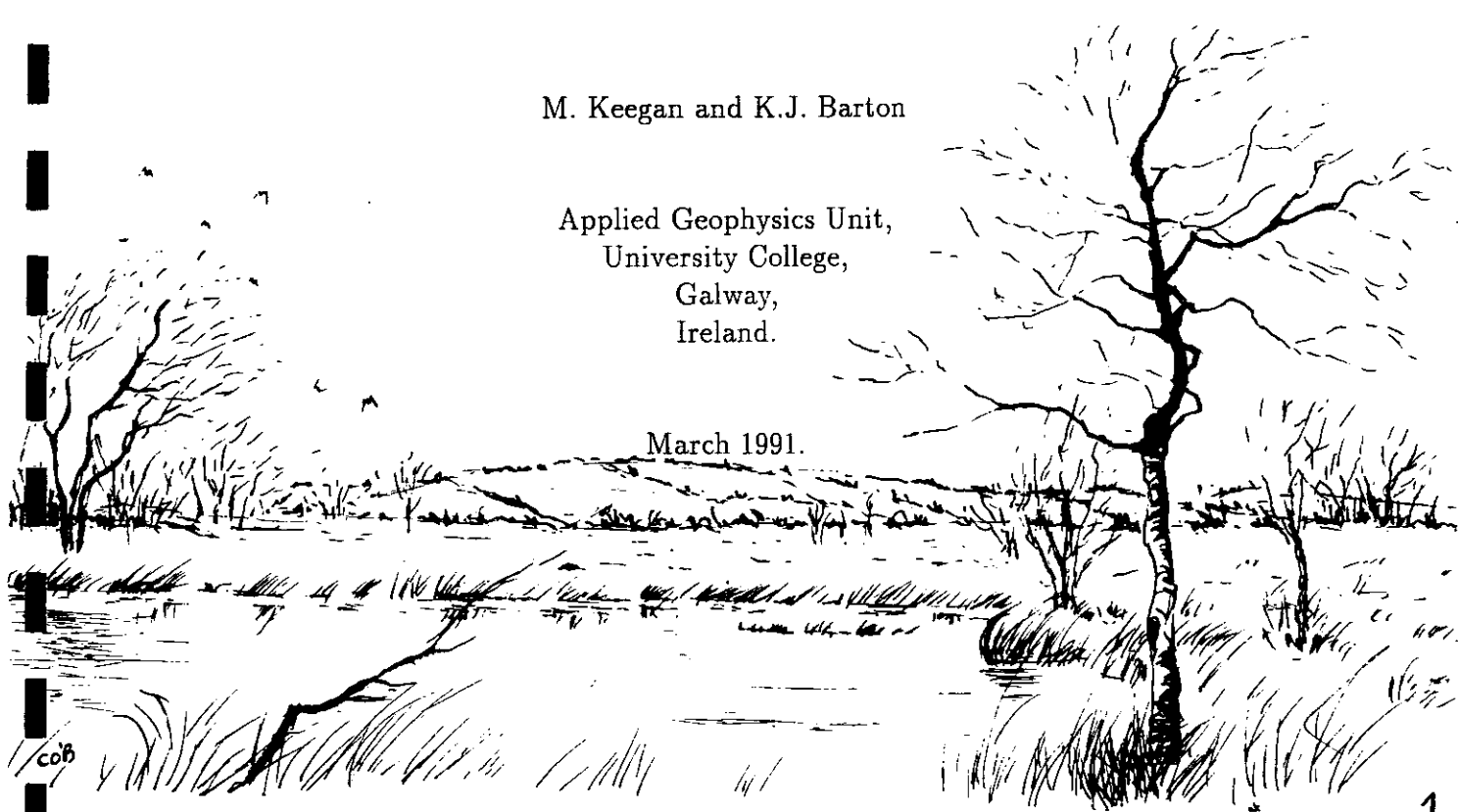
A proposed bibliographic database for the
Irish-Dutch Geohydrology and Ecology Study
of Clara and Raheenmore bogs, Co Offaly.

by

M. Keegan and K.J. Barton

Applied Geophysics Unit,
University College,
Galway,
Ireland.

March 1991.



Sketch of Clara Bog by Catherine O' Brien, Clara, County Offaly.

Contents

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3	Conclusions and Recommendations.	4
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Chapter 1

Introduction

This report introduces the idea of developing a computer-based bibliographic database as an aid to the management of reference materials, reports etc. generated by workers on the project.

There is very obviously a need to organise the reference materials generated so as workers can be kept informed of information relevant to their work. In the long term a well organised database will provide an information source for future research projects associated with Irish bogs.

The data set used to set up this database is very random in its origin. It consists of :

- All project reports currently known to us.
- Geological Survey open-file mineral exploration reports containing geological and geophysical data relevant to the project.
- Selected references found during a "trawl" through materials available in the Clara field office on the 19 and 20 March 1991.

The references contained in this trial database have not been fully indexed. Geological and geophysical references have a more complete keyword index as we do not feel competent to fully index references in other research areas. If such a bibliographic database is set up then, other workers would be required to index references in their own fields of expertise.

Only references in English were selected, there are a large number of references in Dutch available for which a policy on the handling of them has to be agreed.

Chapter 2

The Ref-11 Bibliographic Database

Details of the system are given in the Ref-11 User Documentation (Gerard,1989) from which this account is taken.

Ref-11 is a database management system for bibliographic references. References can be input to the database and subsequently searched, updated and output in various formats. A full screen data entry and editor system is used to create new references and to update existing ones.

The database can be implemented on a mainframe or a personal computer (PC).The version at U.C.G. is implemented on a DEC VAX/VMS system with a 8700 computer as the host. The database of references is stored in large datafiles called reference volumes. The data can be distributed amongst any number of reference volumes. This allows easy efficient storage on PC-based systems where a single reference volume can be stored on a floppy disk. Each reference entry within a reference volume may contain 16 authors, 8 lines for the reference title, 4 lines for the publication, the volume number, the pages cited, the year of publication, city of publication, the publisher, 8 editors , 16 topics (keywords) covered by the references and 40 lines of comments (abstract) on the reference. Journal, Book and Chapter reference types are supported, other reference types can be created. (See Appendix B). In our application we would need to create reports, theses etc. as reference types.

References can be located in a volume by searching for any combination of authors, years of publication, reference title, publication title, comments and topics covered by the reference. Wild cards may be included in any of the search parameters. In addition, a reference may be located by the unique I.D. number which each reference is assigned by the Ref-11 system when it is created.

Ref-11 can produce many sorts of sorted listings from the database. Appendices A, B and C illustrate some of this capability.

A powerful feature available is the formatted bibliographic listing. The bibliography format can be specified by the user according to the requirements of the

journal/publisher to which a publication is submitted.

The disk storage space for each reference entered will depend on the amount of information stored. (A reference can contain from about 4 bytes to 4750 bytes of information.) Generally references with no comments and few keywords will use about 100 bytes of storage.

Versions of Ref-11 are available for IBM PC-XT-AT and PS/2 or compatible computers so long as they have 256k of memory and MS-DOS version 2.0 or later. Ref-11 reference volumes are interchangeable between PC and mainframe implementations.

The cost of purchasing Ref-11 depends on the computer it is implemented on and the type of licence required. The cost of implementing Ref-11 on a PC would be in the order of USD 800.00.

Chapter 3

Conclusions and Recommendations.

We think Ref-11 could provide an inexpensive, transportable database which could be used by project workers. The Appendices illustrate some of the uses that such a system can be put to. When publications "flow" from this project a well maintained database will aid the production of references. The system is simple and could form the basis of a database to be set up in the proposed Interpretation Centre.

The authors will be happy to receive any comments on the entries included in the Appendices of this report. We are not (as yet!!) professional indexers and any reported errors or omissions will be rectified.

We recommend that some thought is given to the purchase and installation of this database system in Ireland and the Netherlands. It will allow orderly management of the large amount of material generated by this project.

Appendix A

Database topics/keywords
sorted alphabetically

Topic	Reference ID Numbers
AERIAL PHOTOGRAPHS	87
AGRICULTURE	50 59 85
AIR SURVEYS	86
AQUIFER SUBSIDENCE	74
AQUIFERS	126
ARCHAEOLOGY	93
BALLYCUMBER	3
BIBLIOGRAPHIC DATABASE	139
BIOLOGY	105
BOGS	36 39 44 52 65 75 76 78 82 83 84 88 89 90 93 113 117 128 129 130 131 132 133 134 135 136
BOGS- ALTERNATIVE USE	117
BOGS- AMERICAN	93
BOGS- BOORA	9
BOGS- CLARA	36 39 52 128 129 130 131 132 133 134 135 136
BOGS- CLASSIFICATION	55 86
BOGS- CONSERVATION	53 56 59 67 86 96 106
BOGS- CUTAWAY	46 72 85 117
BOGS- EXPLOITATION	72
BOGS- FINLAND	44
BOGS- FORMATION	72 82 93
BOGS- FUTURE PROSPECTS	101
BOGS- LOCATION	92
BOGS- MINNESOTA	48
BOGS- MONGAN	36
BOGS- OMBROTROPHIC	96
BOGS- PRESERVATION	54
BOGS- RAHEENMORE	36 129 130 132 133 134 135 136
BOGS- RAISED	35 40 67 101 134 135
BOGS- RECLAMATION	46 64
BOGS- RECONSTRUCTION	89
BOGS- RESTORATION	90
BOGS- REWETTING	90
BOGS- UTILISATION	72
BOGS- WOODFIELD	36
BOTANY	42 101 102 107 108 109
BOTANY -BRITISH ISLES	102
BOTANY- BRITISH ISLES	108
BOTANY- EUROPE	107
CHEMISTRY	52 110 113
CLIMATOLOGY	36 40
CREAGH	46
DICTIONARY	103
DISCHARGE	115
DRAINAGE	44 45 46 64 70 71 73 76 77 79 95 97 110 114 137
DRAINAGE- MAINTENANCE	110
DRAINAGE- SUBSURFACE	110
DRAINAGE- SURFACE	110
DRILLING	11 16 19 20 21 22 24 29 31 132 133
ECOLOGY	45 53 54 55 59 67 88 102
ECONOMICS	117
ECOSYSTEMS	40 106
ELECTRICAL MODELS	95
ENVIRONMENT	97
ENVIRONMENTAL GEOLOGY	111
EVAPORATION	41
EVAPOTRANSPIRATION	45 51 88-120
EXPL. CO. AQUITAINE	28 29 30 31

Topic	Reference ID Numbers
EXPL. CO. ASARCO	2 5 10 13 18 22
EXPL. CO. GORTDRUM	4
EXPL. CO. I.B.M.	1 11 12 15 16 17 19 20 21 23 24 25 26 27 33 34
EXPL. CO. LEA CROSS.	32
EXPL. CO. SEIGEL	3 6
FENS	83
FERBANE	4 8
FLOW STRUCTURES	115
FORESTRY	44 71 85
FRANKFORD	14
GALWAY	37
GAS TRANSPORT	94
GEOCHEMISTRY	2 4 8 9 11 13 15 17 18 21 23 24 25 26 27 28 31 32
GEOLOGY	1 2 3 6 8 14 21 22 23 25 29 30 31 34 36 37 57 68 104 111 130 131 133
GEOLOGY- DRUMLINS	37
GEOLOGY- QUATERNARY	37
GEOMORPHOLOGY	30 36
GEOPHYS. ELECTROMAGNETICS	9 130
GEOPHYS. MAGNETOTELLURICS	15
GEOPHYSICS	3 4 5 6 7 8 9 10 12 15 16 17 18 19 20 21 22 23 24 25 26 27 32 33 34 128 129 130 131
GEOPHYSICS V.E.S.	129
GEOPHYSICS- CHARGEABILITY	10 13 18
GEOPHYSICS- GRAVITY	11 15 18 32 33
GEOPHYSICS- I.P.	3 5 6 8 9 10 12 13 20 22 27
GEOPHYSICS- MAGNETICS	13 15 20 21 32 34
GEOPHYSICS- RESISTIVITY	5 7 10 12 13 18 23 25 128
GEOPHYSICS- V.E.S.	26 130
GEOPHYSICS- VLF-EM	16 17 19 20 23 24 25 27 128
GEOPHYSICS- VLF-R	16 17 19 20 24 26 27 34 128
GRASSES	108
GROUNDWATER	75 90
GROUNDWATER BALANCE	123
GROUNDWATER CHEMISTRY	68
GROUNDWATER CONTAMINATION	68
GROUNDWATER HYDRAULICS	95
GROUNDWATER RUNOFF	137
GROUNDWATER SURVEYS	122
HEAT TRANSPORT	94
HISTORICAL	117
HUMIFICATION	91 92
HYDRAULIC CONDUCTIVITY	48 52 60 80 81 84 91 92 116 125
HYDRAULIC RESISTANCE	51
HYDRAULIC SYSTEM	114
HYDROCHEMISTRY	131
HYDROGEOLOGY	68 95 111 131 134 135
HYDROGRAPH ANALYSIS	114
HYDROLOGICAL CONSTANTS	127
HYDROLOGICAL CYCLE	112 114
HYDROLOGY	35 38 40 41 43 44 45 47 48 49 51 52 54 55 59 61 62 63 69 71 84 89 103 111 112 114 131 134 135 136 137
HYDROLOGY -MONITORING	115
HYDROPEDOLOGICAL SURVEYS	121
HYDROPHYSICAL PROPERTIES	51
HYDROPHYSICS	88 136
INFILTRATION	41

Topic	Reference ID Numbers
IRELAND	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 33 34 35 37 39 41 43 46 52 55 56 59 64 65 67 68 72 79 82 85 92 93 96 97 101 109 111 117 128 129 130 131 132 133 134 135 136
IRRIGATION	137
KILBEGGAN	2 5 7 10 13 18 22 28 32
KILDARE	67
KILLEIGH	1
LAND USE	45 65
LAOIS	1
LEGISLATION	43
LEVELLING	134
LYSIMETERS	38 88
MATHEMATICAL MODEL	74
MAYO	46
MOATE	1 4 8 14
MOISTURE CHARACTERISTICS	83
NETHERLANDS	38 50 51 95 110
NORTHERN IRELAND	73 86 87
OFFALY	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 22 23 24 25 26 27 28 31 32 33 36 39 52 128 129 130 131 132 133 134 135 136
PALAEOECOLOGY	36
PALYNOLOGY	36
PEAT	35 41 43 45 47 48 51 57 61 62 63 65 66 79 82 83 84 91
PEAT MINERAL SOILS	66
PEAT STRUCTURE	113
PEAT- DECOMPOSITION	62
PEAT- ENVIRONMENT	43
PEAT- EXPLOITATION	96
PEAT- PROSPECTING	57
PEAT- SURVEYS	56
PEAT- TYPES	82
PEATLANDS	38 54 56 70 72 73 77 85 86 87 88 90 92 96 101 106 117
PERMAFROST	47
PHYSICAL ANALYSIS	92
PHYSICS	57 61 63 69
PIEZOMETERS	52 81 84 100 116 132 134 135
PLANT-SOIL-WATER RELATION	49
POLICY REQUIREMENTS	96
POLLUTION	97
QUATERNARY	104
RAINFALL	50 114 119
RECLAMATION	77
REF-11 USER DOCUMENTATION	138
SATELLITE DATA	87
SEDGES	102
SEDIMENT TRANSPORT	115
SEDIMENTATION	104
SILT	43
SOAK SYSTEM	131 134
SOIL	42 80 81 94 95 125 127
SOIL AERATION	116
SOIL DISRUPTION	64
SOIL MOISTURE	124
SOIL PHYSICS	95
SOIL SAMPLING	98
SOIL WATER CONTENT	99

Topic	Reference ID Numbers
SOWING STRATEGIES	50
SPHAGNUM	88
STATISTICS	105
STRATIGRAPHY	55
STREAMFLOW	76 78
SUBSURFACE WATER	137
SURVEYS	53 55 115 118
SWAMP MODEL	51 75
TOBER	12
U.S.A.	48
VEGETATION	35 36 39 52 67 82
WASTE DISPOSALS	111
WATER BALANCE	47 73 83 89 112 135 136
WATER CHEMISTRY	101
WATER CONTENT	91
WATER DEPTH	91
WATER FLOW	94
WATER FLUX	69
WATER LEVELS	115
WATER MANAGEMENT	51 75
WATER POTENTIAL	100
WATER QUAILITY	97
WATER RECHARGE	112
WATER RETENTION	47 62 92
WATER SEEPAGE	137
WATER TABLES	53 67
WATER WELLS	137
WELL SCREENS	132
WESTMEATH	1 2 4 5 6 7 8 10 13 14 15 17 18 19 21 22 23 24 25 27 28 29 30 31 32 33
WETLANDS	45
WETLANDS- CANADA	47

Appendix B

Database summary sorted by
document identification number

***** Volume-ID = 1- 1 Journal Reference *****

Authors = McKillen,T,N

Article = Report on the geology of the Moate and Killeigh licence groups,
Counties Westmeath, Offaly and Laois

Volume = Year = 1971 Pages =

Journal = Unpublished IBM Ltd. Exploration Report.

Topics = Geology; Moate; Killeigh; Westmeath; Offaly; Laois;
Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 2 Journal Reference *****

Authors = Walker,T

Article = Report of South Crofty P.L.883 & 1506, west of Kilbeggan, counties
Offaly and Westmeath. March 1972.

Volume = Year = 1972 Pages =

Journal = Unpublished American Smelting & Refining Co. Report.

Topics = Kilbeggan; Offaly; Westmeath; Geochemistry; Geology;
Expl. Co. ASARCO; Ireland

***** Volume-ID = 1- 3 Journal Reference *****

Authors = Klein,J

Article = Induced Polarization Survey Ballycumber area, Co. Offaly.

Volume = Year = 1971 Pages =

Journal = Unpublished Seigel Assoc.(Jamaica) Ltd. Report.

Topics = Ballycumber; Geophysics; Geophysics- I.P.; Geology;
Expl. Co. Seigel; Offaly; Ireland

***** Volume-ID = 1- 4 Journal Reference *****

Authors = Anon

Article = Report on Moate-Ferbane block of licences, P.L. 1108-1117,
1226-1229, 1242-1244, 480, 481, 594. in counties Westmeath & Offaly
for year ending May 4 1970.

Volume = Year = 1970 Pages =

Journal = Unpublished Gortdrum Mines Ltd. Report.

Topics = Moate; Ferbane; Westmeath; Offaly; Geochemistry; Geophysics;
Expl. Co. Gortdrum; Ireland

***** Volume-ID = 1- 5 Journal Reference *****

Authors = Walker,T

Article = Report of P.L. 883 & 1506, west of Kilbeggan, counties Offaly and
Westmeath for year ending March 1973

Volume = Year = 1973 Pages =

Journal = Unpublished American Smelting & Refining Co. Report.

Topics = Kilbeggan; Offaly; Westmeath; Geophysics- I.P.;
Geophysics- Resistivity; Geophysics; Expl. Co. ASARCO; Ireland

***** Volume-ID = 1- 6 Journal Reference *****
Authors = Lewis,M
Article = Report on I.P. surveys on behalf of Gortdrum Mines Ltd.
November 1970
Volume = Year = 1970 Pages =
Journal = Unpublished Seigel Assoc. (Jamaica) Ltd. Report.
Topics = Geology; Geophysics- I.P.; Geophysics; Expl. Co. Seigel; Offaly;
Westmeath; Ireland

***** Volume-ID = 1- 7 Journal Reference *****
Authors = Williams,B
Article = A brief report on resistivity profile at Kilbeggan P.L. 2786.
Volume = Year = 1980 Pages =
Journal = Unpublished Contractors Report.
Topics = Kilbeggan; Westmeath; Offaly; Geophysics; Geophysics- Resistivity;
Ireland

***** Volume-ID = 1- 8 Journal Reference *****
Authors = Bailey,P,B,H
Article = Report on Moate-Ferbane Prospecting Licences for year ending
May 1971
P.L. 1108-1117, 1226-1229, 1242-1244, 480, 481, 594, 1505,
1377-1378, 1043-1044, in counties Westmeath and Offaly.
Volume = Year = 1971 Pages =
Journal = ANON.
Topics = Moate; Ferbane; Westmeath; Offaly; Geology; Geophysics;
Geophysics- I.P.; Geochemistry; Ireland

***** Volume-ID = 1- 9 Journal Reference *****
Authors = Kiernan,N
Article = Report of geophysical work on Boora Bog , Co. Offaly for year
ending January 1 1971. P.L. 1377-1378.
Volume = Year = 1971 Pages =
Journal = Unpublished Contractors Report.
Topics = Bogs- Boora; Offaly; Geophysics; Geophysics- I.P.;
Geophys. Electromagnetics; Geochemistry; Ireland

***** Volume-ID = 1- 10 Journal Reference *****
Authors = Walker,T
Article = Report of exploration on South Crofty P.L. 883 & 1506
Kilbeggan area, Counties Offaly and Westmeath.
Volume = Year = 1974 Pages =
Journal = Unpublished American Smelting & Refining Co. Report
Topics = Kilbeggan; Offaly; Westmeath; Expl. Co. ASARCO; Geophysics;
Geophysics- Chargeability; Geophysics- Resistivity;
Geophysics- I.P.; Ireland

***** Volume-ID = 1- 11 Journal Reference *****

Authors = Bowden,A,A

Article = Report on P.L. 480 & 481 in County Offaly for year ending
November 22 1974.

Volume = Year = 1974 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.

Topics = Offaly; Drilling; Geochemistry; Geophysics- Gravity;
Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 12 Journal Reference *****

Authors = Buckley,F,A,

Article = Induced Polarization and Resistivity Survey, Tober Area,
Co. Offaly. May 1974. P.L. 480 & 1505

Volume = Year = 1974 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.

Topics = Tober; Offaly; Geophysics; Geophysics- Resistivity;
Geophysics- I.P.; Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 13 Journal Reference *****

Authors = Walker,I,

Article = Report of exploration on South Crofty P.L. 883 & 1506 in
Kilbeggan area, counties Offaly and Westmeath. P.L. 480

Volume = Year = 1975 Pages =

Journal = Unpublished American Smelting & Refining Co. Report.

Topics = Kilbeggan; Offaly; Westmeath; Geochemistry;
Geophysics- Chargeability; Geophysics- Resistivity;
Geophysics- Magnetics; Geophysics- I.P.; Expl. Co. ASARCO; Ireland

***** Volume-ID = 1- 14 Journal Reference *****

Authors = Cullen,K,T

Article = Report of the geology of the area between Moate and Frankford
P.L. 480, 481, 594, 1108, 1109, 1111-1114, 1137 and 1138.
Counties Westmeath and Offaly. May 1972.

Volume = Year = 1972 Pages =

Journal = Anon.

Topics = Moate; Frankford; Geology; Westmeath; Offaly; Ireland

***** Volume-ID = 1- 15 Journal Reference *****

Authors = Bowden,A,A,

Article = Annual report on P.L. 1108-1116, 1377-1378 Co. Offaly
P.L. 1117 & 1226-1229
Period May 4-27 1975

Volume = Year = 1975 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept.

Topics = Offaly; Westmeath; Geophysics; Geophysics- Magnetics;
Geophysics- Gravity; Geochemistry; Geophys. Magnetotellurics;
Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 16 Journal Reference *****

Authors = Bowden,A,A
Article = 12 monthly report on P.L. 480 & 481 in Co. Offaly the year
 ending November 21 1975.
Volume = Year = 1975 Pages =
Journal = Unpublished I.B.M. Ltd.Exploration Dept.
Topics = Offaly; Geophysics; Geophysics- VLF-EM; Geophysics- VLF-R;
 Expl. Co. I.B.M.; Drilling; Ireland

***** Volume-ID = 1- 17 Journal Reference *****

Authors = Clissmann,F
Article = Annual report of P.L.549 in Counties Offaly and Westmeath for year
 ending June 30 1978.
Volume = Year = 1978 Pages =
Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.
Topics = Offaly; Westmeath; Geophysics; Geophysics- VLF-EM;
 Geophysics- VLF-R; Expl. Co. I.B.M.; Geochemistry; Ireland

***** Volume-ID = 1- 18 Journal Reference *****

Authors = Hinton,R,S
Article = Report of South Crofty P.L. 883 and 1506, in Kilbeggan area ,
 counties Offaly and Westmeath during the period April 1975-1976.
Volume = Year = 1976 Pages =
Journal = Unpublished American Smelting & Refining Co. Report.
Topics = Kilbeggan; Offaly; Westmeath; Geochemistry; Geophysics- Gravity;
 Geophysics- Resistivity; Geophysics- Chargeability; Geophysics;
 Expl. Co. ASARCO; Ireland

***** Volume-ID = 1- 19 Journal Reference *****

Authors = Bowden,A,A
Article = Report on P.L. 1108-1116, 1226-1229, 1377, 1378 and 1505 in
 counties Offaly and Westmeath for year ending May 1976.
Volume = Year = 1976 Pages =
Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.
Topics = Offaly; Westmeath; Geophysics; Geophysics- VLF-EM;
 Geophysics- VLF-R; Drilling; Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 20 Journal Reference *****

Authors = Bowden,A,A
Article = Report on P.L. 480-481 in Co.Offaly for year ending Nov. 21 1976.
Volume = Year = 1976 Pages =
Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.
Topics = Offaly; Geophysics; Geophysics- I.P.; Geophysics- Magnetics;
 Geophysics- VLF-EM; Geophysics- VLF-R; Drilling; Expl. Co. I.B.M.;
 Ireland

***** Volume-ID = 1- 21 Journal Reference *****

Authors = Bowden,A,A

Article = Report on P.L. 1242-1244 in Co. Westmeath for year ending
October 22 1976.

Volume = Year = 1976 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.

Topics = Westmeath; Geology; Geophysics; Geophysics- Magnetics; Geochemistry;
Drilling; Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 22 Journal Reference *****

Authors = Hinton,R,S

Article = Report on P.L. 883 and 1506, Kilbeggan area , counties Offaly
and Westmeath during period April 1976-1977.

Volume = Year = 1977 Pages =

Journal = Unpublished American Smelting & Refining Co. Report.

Topics = Kilbeggan; Offaly; Westmeath; Geology; Geophysics; Geophysics- I.P.;
Drilling; Expl. Co. ASARCO; Ireland

***** Volume-ID = 1- 23 Journal Reference *****

Authors = Bowden,A,A

Article = Report on P.L. 594 in counties Offaly and Westmeath for the year
ending June 30 1977

Volume = Year = 1977 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.

Topics = Offaly; Westmeath; Geology; Geochemistry; Geophysics;
Geophysics- Resistivity; Geophysics- VLF-EM; Expl. Co. I.B.M.;
Ireland

***** Volume-ID = 1- 24 Journal Reference *****

Authors = Bowden,A,A

Article = Annual report for P.L. 1108-1113, 1115, 1117, 1226-1229, 1377-1378
and
1505 in counties Offaly and Westmeath for the year ending
May 1977

Volume = Year = 1977 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.

Topics = Offaly; Westmeath; Geophysics; Geophysics- VLF-EM;
Geophysics- VLF-R; Geochemistry; Drilling; Expl. Co. I.B.M.;
Ireland

***** Volume-ID = 1- 25 Journal Reference *****

Authors = Bowden,A,A

Article = Report on P.L. 594 in counties Offaly and Westmeath for the year
ending June 30 1977

Volume = Year = 1977 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.

Topics = Offaly; Westmeath; Geology; Geochemistry; Geophysics;
Geophysics- Resistivity; Geophysics- VLF-EM; Expl. Co. I.B.M.;
Ireland

***** Volume-ID = 1- 26 Journal Reference *****

Authors = Clissmann,F

Article = Annual report on P.L. 480-481 in Co. Offaly for year ending
November 21 1978.

Volume = Year = 1978 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.

Topics = Offaly; Geophysics; Geophysics- VLF-R; Geophysics- V.E.S.;
Geochemistry; Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 27 Journal Reference *****

Authors = Clissmann,F

Article = Annual report for P.L. 1108-1111, 1113, 1377 in counties Offaly and
Westmeath for the year ending May 1978.

Volume = Year = 1978 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.

Topics = Offaly; Westmeath; Geochemistry; Geophysics- VLF-R;
Geophysics- VLF-EM; Geophysics- I.P.; Geophysics; Expl. Co. I.B.M.;
Ireland

***** Volume-ID = 1- 28 Journal Reference *****

Authors = Crowe,R,W,A

Article = Follow up geochemistry survey results from P.L. 2785 & 2786
Kilbeggan , counties Offaly and Westmeath. November 1980

Volume = Year = 1980 Pages =

Journal = Unpublished Aquitaine Mining (IRE) Ltd. Report.

Topics = Kilbeggan; Offaly; Westmeath; Geochemistry; Expl. Co. Aquitaine;
Ireland

***** Volume-ID = 1- 29 Journal Reference *****

Authors = Crowe,R,W,A; Nelson,P

Article = Completion report on Windmill Hill No. 1;A stratigraphic diamond
drill hole in P.L. Westmeath, February 1979.

Volume = Year = 1980 Pages =

Journal = Unpublished Aquitaine Mining (IRE) Ltd. Report.

Topics = Westmeath; Drilling; Geology; Expl. Co. Aquitaine; Ireland

***** Volume-ID = 1- 30 Journal Reference *****

Authors = Windrim,D; Nelson,P

Article = Geology of Prospecting Licence areas 2663,2785,2786. Co. Westmeath
October 1978.

Volume = Year = 1978 Pages =

Journal = Unpublished Aquitaine Mining Ltd. Report.

Topics = Westmeath; Geology; Geomorphology; Expl. Co. Aquitaine; Ireland

***** Volume-ID = 1- 31 Journal Reference *****

Authors = Crowe,R,W

Article = Revised geology of P.L. 2785 & 2786 counties Westmeath and Offaly.
August 1979

Volume = Year = 1979 Pages =

Journal = Unpublished Aquitaine Mining Ltd. Report.

Topics = Westmeath; Offaly; Geology; Drilling; Geochemistry;
Expl. Co. Aquitaine

***** Volume-ID = 1- 32 Journal Reference *****

Authors = Barnett,GWT

Article = Report on P.L. 883 in Kilbeggan , Counties Westmeath and Offaly
dated April 1970

Volume = Year = 1970 Pages =

Journal = Unpublished Report, Lea Cross Geophysical Co. Ltd.

Topics = Kilbeggan; Offaly; Westmeath; Geophysics; Geochemistry;
Geophysics- Magnetics; Geophysics- Gravity; Expl. Co. Lea Cross.;
Ireland

***** Volume-ID = 1- 33 Journal Reference *****

Authors = ANON

Article = Regional gravity survey of Westmeath & Offaly :An Appraisal.
Aug.-Dec. 1973

Volume = Year = 1973 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.

Topics = Offaly; Westmeath; Geophysics; Geophysics- Gravity;
Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 34 Journal Reference *****

Authors = Bowden,A,A

Article = Report on P.L. 594 in Co. Offaly for year ending June 30 1976.

Volume = Year = 1976 Pages =

Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.

Topics = Geology; Geophysics; Geophysics- VLF-R; Geophysics- Magnetics;
Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 35 Journal Reference *****

Authors = van der Krogt,G; Osinga,T

Article = A comparative study of vegetation and certain peat parameters for
Lodge Bog and Gallynafagh Bog, Co. Kildare, to determine their
suitability for conservation and education.

Volume = Year = 1987 Pages =

Journal = Unpublished Report, Department of Land Reclamation and
Improvement, Agricultural University, Wageningen, Netherlands.

Topics = Hydrology; Bogs- Raised; Vegetation; Peat; Ireland

***** Volume-ID = 1- 36 Journal Reference *****

Authors = van der Molen,PC

Article = A study on patterns and processes in hummock-hollow complexes on
Irish Raised bogs.

Volume = Year = 1986 Pages =

Journal = Unpublished Internal Report, Hugo de Vries Laboratory, Department
of Palynology and Palaeo/Actuo-Ecology, University of Amsterdam.

Topics = Bogs- Raheenmore; Bogs- Clara; Bogs- Mongan; Bogs- Woodfield;
Offaly; Bogs; Geology; Geomorphology; Climatology; Palaeoecology;
Palynology; Vegetation

***** Volume-ID = 1- 37 Journal Reference *****

Authors = Mc Cabe,AM; Dardis,GF

Article = Sedimentology and depositional setting of late Pleistocene
Drumlins, Galway Bay, Western Ireland.

Volume = 59-6 Year = 1989 Pages = 944-959

Journal = Journal of Sedimentary Petrology.

Topics = Geology- Quaternary; Geology- Drumlins; Geology; Galway; Ireland

***** Volume-ID = 1- 38 Journal Reference *****

Authors = Schouwenaars,JM

Article = Hydrological characteristics of bog relicts in the
Engbertsdijksevenen after peat cutting and rewetting.

Volume = Year = 1989 Pages =

Journal = Paper for Symposium on Peatland Ecosystems and Man - An Impact
Assessment, Dundee, Scotland.

Topics = Hydrology; Lysimeters; Peatlands; Netherlands

***** Volume-ID = 1- 39 Journal Reference *****

Authors = van der Molen,PC; Schalkoort,M; Smit,R

Article = Hummock-Hollow Complexes on Clara Bog, Co. Offaly, Ireland.
A Habitat and Niche Approach.

Volume = Year = 1991 Pages =

Journal = Unpublished report

Topics = Bogs- Clara; Vegetation; Offaly; Bogs; Ireland

***** Volume-ID = 1- 40 Journal Reference *****

Authors = Streefkerk,JG; Casparie,WA

Article = The Hydrology of Bog Ecosystems - Guidelines for Management.

Volume = Year = 1989 Pages =

Journal = Unpublished report, Staatsbosbeheer Dutch National Forestry
Service, Utrecht, Netherlands.

Topics = Hydrology; Climatology; Bogs- Raised; Ecosystems

***** Volume-ID = 1- 41 Journal Reference *****

Authors = Keane,RF

Article = The Hydrology of Peatland.

Volume = Year = 1972 Pages =

Journal = Unpublished M.Eng./Sc. Thesis, University College Cork, Ireland.

Topics = Peat; Evaporation; Hydrology; Infiltration; Ireland

***** Volume-ID = 1- 42 Journal Reference *****

Authors = Bryant,RD; Gordy,AE; Laishley,EJ

Article = Effect of soil acidification on the soil microflora.

Volume = II Year = 1979 Pages = 437-445

Journal = Water, Air and Soil Pollution .

Topics = Soil; Botany

***** Volume-ID = 1- 43 Journal Reference *****

Authors = Feeley,J; Welsby,JM
Article = Environmental aspects of peat arising from intensive peatland exploitation in Ireland.
Volume = 1 Year = 1988 Pages = 270-276
Journal = Proceedings of the International Symposium on the hydrology of wetlands in temperate and cold regions , Finland.
Topics = Peat; Silt; Peat- Environment; Legislation; Hydrology; Ireland

***** Volume-ID = 1- 44 Journal Reference *****

Authors = Mustonen,SE; Seuna,P
Article = Influence of forest drainage on the hydrology of an open bog in Finland.
Volume = Year = 1970 Pages = 519-529
Journal = Topic III ???
Topics = Hydrology; Forestry; Drainage; Bogs- Finland; Bogs

***** Volume-ID = 1- 45 Journal Reference *****

Authors = Verry,ES
Article = The Hydrology of Wetlands and Man's Influence on it.
Volume = Year = 1988 Pages =
Journal = Proceedings of the International Symposium on the Hydrology of Wetlands in temperate and cold regions, Finland.
Topics = Hydrology; Wetlands; Peat; Evapotranspiration; Drainage; Ecology; Land use

***** Volume-ID = 1- 46 Journal Reference *****

Authors = Mulqueen,J
Article = Reclaiming a low-lying cutover bog.
Journal = ANON. ????
Topics = Drainage; Bogs- Cutaway; Bogs- Reclamation; Creagh; Mayo; Ireland

***** Volume-ID = 1- 47 Journal Reference *****

Authors = Roulet,NT; Woo,Ming-Ko
Article = Hydrology of a wetland in the continous Permafrost region.
Volume = Year = 1986 Pages = 73-91
Journal = Journal of Hydrology, Elsevier Science Publishers, Amsterdam.
Topics = Water balance; Water retention; Peat; Hydrology; Permafrost; Wetlands- Canada

***** Volume-ID = 1- 48 Journal Reference *****

Authors = Boelter,DH
Article = Hydraulic Conductivity of Peats.
Volume = 100-4 Year = 1965 Pages = 227-233
Journal = Soil Science Society America.
Topics = Hydraulic conductivity; Peat; Bogs- Minnesota; U.S.A.; Hydrology

***** Volume-ID = 1- 49 Journal Reference *****

Authors = Schouwenaars,JM
Article = I. Problem orientated studies on Plant-Soil-Water relations.
Volume = Year = 1990 Pages = 3-25
Journal = Ph.D. Thesis , Agricultural University, Wageningen, Netherlands.
Topics = Hydrology; Plant-Soil-Water relation

***** Volume-ID = 1- 50 Journal Reference *****

Authors = Schouwenaars, JM
Article = Sowing strategies for Maize in rainfed agriculture in Southern
Mozambique.
Volume = Year = 1990 Pages = 31-72
Journal = Ph.D. Thesis, Agricultural University, Wageningen, Netherlands.
Topics = Rainfall; Sowing strategies; Agriculture; Netherlands

***** Volume-ID = 1- 51 Journal Reference *****

Authors = Schouwenaars, JM
Article = III. Model studies on water management in bog relicts
Volume = Year = 1990 Pages =
Journal = Ph.D. Thesis, Agricultural University, Wageningen, Netherlands.
Topics = Water Management; SWAMP model; Hydrology; Hydraulic resistance;
Peat; Hydrophysical properties; Evapotranspiration; Netherlands

***** Volume-ID = 1- 52 Journal Reference *****

Authors = Smit, R
Article = The hydrology of a Hummock-Hollow complex on Clara bog in Ireland
in relation to chemistry and vegetation.
Volume = Year = 1989 Pages =
Journal = Unpublished Internal Report, van Het Hugo de Vries Laboratory,
University of Amsterdam, Netherlands.
Topics = Hydrology; Hydraulic conductivity; Piezometers; Bogs- Clara; Offaly;
Vegetation; Chemistry; Bogs; Ireland

***** Volume-ID = 1- 53 Journal Reference *****

Authors = Verry, ES
Article = Microtopography and Water table fluctuation in a Sphagnum Mire.
Volume = II Year = 1984 Pages = 11-31
Journal = International Peat Congress, Dublin.
Topics = Surveys; Ecology; Bogs- Conservation; Water Tables

***** Volume-ID = 1- 54 Journal Reference *****

Authors = Ingram, HAP; Bragg, OM
Article = The Diplotelmic Mire: Some Hydrological consequences reviewed.
Volume = I Year = 1984 Pages = 220-234
Journal = International Peat Congress, Dublin.
Topics = Ecology; Bogs- Preservation; Peatlands; Hydrology

***** Volume-ID = 1- 55 Journal Reference *****

Authors = Finn, S; Mulqueen, J; Finnerty, P; Collins, JF; Ryan, TD
Article = Stratigraphy and Hydrology of a cutover raised bog in Co. Mayo.
Volume = Year = 1984 Pages = 148-167
Journal = International Peat Congress, Dublin.
Topics = Surveys; Bogs- Classification; Ecology; Hydrology; Stratigraphy;
Ireland

***** Volume-ID = 1- 56 Journal Reference *****

Authors = Ryan, JB; Cross, JR
Article = The Conservation of Peatlands in Ireland.
Volume = I Year = 1984 Pages = 388-406
Journal = International Peat Congress, Dublin.
Topics = Peat- Surveys; Bogs- Conservation; Peatlands; Ireland

***** Volume-ID = 1- 57 Journal Reference *****

Authors = Bazin,ET
Article = Physical basis and technological peculiarities of peat deposits drainage.
Volume = Year = 1984 Pages = 26-37
Journal = Special Publication for the International Peat Congress, Dublin.
Topics = Peat- Prospecting; Physics; Peat; Geology

***** Volume-ID = 1- 58 Journal Reference *****

Authors = Biewnga,DT
Article = Computer Program for the Interpretation of Schlumberger Soundings.
Volume = Year = 1990 Pages =
Journal = Advice Bureau for Geophysics and Geology, Voorschoten, Netherlands

***** Volume-ID = 1- 59 Journal Reference *****

Authors = Eggelsmann,RF
Article = Annual groundwater course in Peatlands with different vegetation.
Volume = Year = 1984 Pages = 137-147
Journal = Special publication for the International Peat Congress, Dublin.
Topics = Ecology; Hydrology; Agriculture; Bogs- Conservation; Ireland

***** Volume-ID = 1- 60 Journal Reference *****

Authors = Topp,GC
Article = A rapid measurement of horizontal and vertical components of saturated hydraulic conductivity.
Volume = 25 No.2 Year = 1983 Pages = 193-197
Journal = Canadian Agricultural Engineering.
Topics = Hydraulic conductivity

***** Volume-ID = 1- 61 Journal Reference *****

Authors = Brandyk,T
Article = Unsaturated water flow during drainage of high bog peat-soil columns.
Volume = IV Year = 1984 Pages = 118-129
Journal = Special publication for the International Peat Congress, Dublin.
Topics = Peat; Physics; Hydrology

***** Volume-ID = 1- 62 Journal Reference *****

Authors = Gawlik,J
Article = Preliminary Appreciation of the usefulness of some Water-Physical parameters as indicators of the degree of Peat Decomposition.
Volume = IV Year = 1984 Pages = 184-194]
Journal = Special Publication for the International Peat Congress , Dublin.
Topics = Peat; Peat- decomposition; Water retention; Hydrology

***** Volume-ID = 1- 63 Journal Reference *****

Authors = Wesseling,JG; Brandyk,T
Article = Steady state infiltration and capillary rise in high bog peat soil.
Volume = IV Year = 1984 Pages = 396-409
Journal = Special Publication for the International Peat Congress, Dublin.
Topics = Physics; Peat; Hydrology

***** Volume-ID = 1- 64 Journal Reference *****

Authors = Galvin,LF
Article = Land Drainage and Reclamation.
Volume = 103 Year = 1979 Pages = 53-63
Journal = Institution of Engineers of Ireland Transactions.
Topics = Drainage; Soil disruption; Bogs- Reclamation; Ireland

***** Volume-ID = 1- 65 Journal Reference *****

Authors = Dywer,DJ
Article = The Peat Bogs of the Irish Republic: A Problem in Land Use.
Volume = Year = 1960 Pages =
Journal = ??????
Peat
Topics = Bogs; Peat; Land use; Ireland

***** Volume-ID = 1- 66 Journal Reference *****

Authors = Cole,AJ; Mulqueen,J; Hammond,RF
Article = Effects of mixing cutover raised bog peats and underlying sub-soils
on the growth of carrots and clover.
Volume = 19 Year = 1980 Pages = 1-16
Journal = Irish Journal of Agricultural Research.
Topics = Peat mineral soils; peat

***** Volume-ID = 1- 67 Journal Reference *****

Authors = van de Krogt,G; Osinga,T; Hammond,RF
Article = A survey of the vegetation patterns and water tables on two raised
bog remnants in Co. Kildare.
Volume = Year = ?? Pages =
Journal = Unpublished report, Department of Land Reclamation, Agricultural
University, Wageningen / Irish Agricultural Institute, Kildare.
Topics = Bogs- Raised; Bogs- Conservation; Ecology; Vegetation; Water tables;
Kildare; Ireland

***** Volume-ID = 1- 68 Journal Reference *****

Authors = Daly,D
Article = Groundwater Pollution in Ireland: A Review.
Volume = Year = 1988 Pages = 36-45
Journal = Report for the 11th Environmental Health Conference.
Topics = Geology; Hydrogeology; Groundwater chemistry;
Groundwater contamination; Ireland

***** Volume-ID = 1- 69 Journal Reference *****

Authors = Elrik,DE; Reynolds,WD
Article = Water Flux - Components and their measurement.
Volume = Year = 1989 Pages = 1-23
Journal = Proceedings of Applied Soil Physical Stress Experiments.
Topics = Hydrology; Water flux; Physics

***** Volume-ID = 1- 70 Journal Reference *****

Authors = Jantunen,; Hannu,
Article = Drainage experiments on ErCS-peat in the Laboratory.
Journal = Special Publication for the 4th International Peat Congress.
Topics = Drainage; Peatlands

***** Volume-ID = 1- 71 Journal Reference *****
Authors = Heikurainen,L
Article = Hydrological changes caused by forest drainage.
Volume = Year = 1972 Pages = 493-499
Journal = Topic III ???
Topics = Hydrology; Drainage; Forestry

***** Volume-ID = 1- 72 Journal Reference *****
Authors = McNally,G
Article = Future utilisation of industrial cutaway peatlands.
Volume = Year = ?? Pages =
Journal = Internal report for Bord na Mona.
Topics = Peatlands; Bogs- Formation; Bogs- Exploitation; Bogs- Utilisation;
Bogs- cutaway; Ireland

***** Volume-ID = 1- 73 Journal Reference *****
Authors = Wilcock,DN
Article = The effects of channel clearances and peat drainage on the water
balance of the Glenullin Basin, Co. Derry.
Volume = 77 Year = 1977 Pages = 253-267
Journal = Proceedings of the Royal Irish Academy.
Topics = Water Balance; Drainage; Peatlands; Northern Ireland

***** Volume-ID = 1- 74 Journal Reference *****
Authors = Bear,J; Corapcioglu,MY
Article = Mathematical model for Regional Land Subsidence due to Pumping.
1) Intergrated Aquifer Subsidence equations based on vertical
displacement only.
Volume = 17 No.4 Year = 1981 Pages = 937-946
Journal = Water Resources Research.
Topics = Aquifer Subsidence; Mathematical model

***** Volume-ID = 1- 75 Journal Reference *****
Authors = Schouwenaars,JM
Article = The impact of water management upon Groundwater fluctions in a
disturbed bog relict.
Volume = 14 Year = 1988 Pages = 439-449
Journal = Agricultural Water Management, Elsevier Science Publishers B.V.
Amsterdam.
Topics = Water Management; SWAMP model; Bogs; Groundwater

***** Volume-ID = 1- 76 Journal Reference *****
Authors = Vishnevsky,PF
Article = The Effect of Bog Drainage on Streamflow.
Volume = Year = ?? Pages =
Journal = General Discussion ???
Topics = Bogs; Drainage; Streamflow

***** Volume-ID = 1- 77 Journal Reference *****
Authors = Kubyshkin,GP
Article = Effect of drainage reclamation on river flow.
Volume = Year = ?? Pages =
Journal = General Discussion ???
Topics = Drainage; Reclamation; Peatlands

***** Volume-ID = 1- 78 Journal Reference *****

Authors = Verry,ES; Soelter,DH
Article = The influence of bogs on the distribution of streamflow from small bog - uplands catchments.
Volume = Year = ?? Pages =
Journal = Topic III
Topics = Bogs; Streamflow

***** Volume-ID = 1- 79 Journal Reference *****

Authors = Galvin,LF; Hanrahan,ET
Article = Steady state drainage flow in peat.
Volume = Year = ? Pages = 77-90
Journal = Paper sponsored by Committee on Embankments and Earth Slopes and presented at the 46th Annual Meeting.
Topics = Drainage; Peat; Ireland

***** Volume-ID = 1- 80 Journal Reference *****

Authors = Hollis,JM; Woods,SM
Article = The measurement and estimation of saturated soil hydraulic conductivity.
Volume = Year = 1989 Pages =
Journal = SSLRC Research report for MAFF Project c(i)
Topics = Hydraulic conductivity; Soil

***** Volume-ID = 1- 81 Journal Reference *****

Authors = Youngs,EG
Article = Shape factors for Kirkham's piezometer method for determining the hydraulic conductivity of soil in situ for soils overlying an impermeable floor or infinitely permeable stratum.
Volume = 106 -3 Year = 1968 Pages = 235-237
Journal = ???
Topics = Piezometers; Hydraulic conductivity; Soil

***** Volume-ID = 1- 82 Journal Reference *****

Authors = Barry,JA
Article = Peat formations in Ireland- Theory and Reality.
Journal = ??????
Topics = Peat; Bogs- Formation; Bogs- Location; Vegetation; Peat- Types; Bogs; Ireland

***** Volume-ID = 1- 83 Journal Reference *****

Authors = Dooge,J
Article = The Water Balance of Bogs and Fens.
Volume = Year = 1972 Pages =
Journal = International Symposium on Marsh-Ridden Areas.
Topics = Water Balance; Peat; Moisture characteristics; Bogs; Fens

***** Volume-ID = 1- 84 Journal Reference *****

Authors = Ingram,HAP; Rycroft,DW; Williams,DJA
Article = Anomalous transmission of water through certain peats.
Volume = 22 Year = 1974 Pages = 213-218
Journal = Journal of Hydrology, Netherlands.
Topics = Hydraulic conductivity; Piezometers; Peat; Bogs; Hydrology

***** Volume-ID = 1- 85 Journal Reference *****

Authors = McNally,G
Article = Developments of Industrial Cutover Bog in Ireland.
Volume = Year = ?? Pages =
Journal = ?????
Topics = Bogs- Cutaway; Peatlands; Agriculture; Forestry; Ireland

***** Volume-ID = 1- 86 Journal Reference *****

Authors = Cruickshank,MM; Tomlinson,RW
Article = Peatland in Northern Ireland: Inventory and Prospect.
Volume = 23 Year = 1990 Pages = 17-30
Journal = Irish Geography, Geographical Society of Ireland.
Topics = Peatlands; Air surveys; Bogs- Classification; Bogs- Conservation;
Northern Ireland

***** Volume-ID = 1- 87 Journal Reference *****

Authors = Cruickshank,CC; Tomlinson,RW
Article = An evaluation of LANDSAT TM and SPOT imagery for monitoring changes
in peatland.
Volume = 90B-7 Year = 1990 Pages = 109-125
Journal = Proceedings of the Royal Irish Academy.
Topics = Peatlands; Northern Ireland; Aerial photographs; Satellite data

***** Volume-ID = 1- 88 Journal Reference *****

Authors = Schouwenaars,JM; Vink,JPM
Article = Hydrophysical properties of peat relicts in a former bog and
prespectives for Sphagnum regrowth.
Volume = Year = ?? Pages =
Journal = ???
Topics = Hydrophysics; Sphagnum; Ecology; Evapotranspiration; Lysimeters;
Peatlands; Bogs

***** Volume-ID = 1- 89 Journal Reference *****

Authors = Ivanov,KE
Article = Hydrological stability criteria and reconstruction of bogs and
bog/lake systems.
Volume = Year = ?? Pages =
Journal = ???
Topics = Hydrology; Water balance; Bogs; Bogs- Reconstruction

***** Volume-ID = 1- 90 Journal Reference *****

Authors = Beets,CP
Article = The relation between the area of open water in bog remnants and storage capacity, with resulting guidelines for bog restoration.
Volume = Year = ??? Pages =
Journal = National Forest Service LA Utrecht, The Netherlands.
Topics = Bogs; Peatlands; Bogs- Restoration; Bogs- Rewetting; Groundwater

***** Volume-ID = 1- 91 Journal Reference *****

Authors = Korpijaakko,M; Radforth,NW
Article = Studies on the Hydraulic Conductivity of Peat.
Volume = III Year = ??? Pages =
Journal = Special publication , 4th International Peat Congress.
Topics = Peat; Hydraulic conductivity; Humification; Water depth; Water content

***** Volume-ID = 1- 92 Journal Reference *****

Authors = Galvin,LF
Article = Physical properties of Irish peats.
Volume = 15 Year = 1976 Pages = 207-221
Journal = Irish Journal of Agricultural Research.
Topics = Peatlands; Humification; Hydraulic conductivity; Physical analysis; Water retention; Ireland

***** Volume-ID = 1- 93 Book Reference *****

Authors = Levathes,LE
Book = National Geographic - Mysteries of the Bogs.
Volume = 171-3 Year = 1987 Pages = 397-420
City = Washington D.C. Publisher = National Geographic Society
Topics = Bogs; Bogs- Formation; Archaeology; Bogs- American; Ireland

***** Volume-ID = 1- 94 Book Reference *****

Authors = Koorevaar,P; Menelik,G; Dirksen,C
Book = Elements of Soil Physics.
Volume = 13 Year = 1983 Pages = 1-230
City = Amsterdam Publisher = Elsevier Science Publishers B.V.
Topics = Soil; Water flow; Gas transport; Heat transport

***** Volume-ID = 1- 95 Book Reference *****

Authors = van Staveren,JM
Book = Drainage Principles and Applications: Introductory subjects.
Volume = 16-1 Year = 1979 Pages = 1-227
City = Wageningen Publisher = I.I.L.,R.I. Netherlands
Topics = Hydrogeology; Soil; Drainage; Soil physics; Groundwater hydraulics; Electrical models; Netherlands

***** Volume-ID = 1- 96 Book Reference *****

Authors = van Eck,H; Govers,A; Lemaire,A; Schaminee,A
Book = Irish Bogs - A case for planning.
Volume = Year = 1984 Pages = 1-332
City = Nijmegen Publisher = Katholieke Universiteit
Topics = Peatlands; Bogs- Ombrotrophic; Peat- Exploitation; Bogs- Conservation; Policy requirements; Ireland

***** Volume-ID = 1- 117 Book Reference *****
Authors = Mollan,C(editor)
Book = The utilisation of Irish Midland Peatlands (R.D.S. Seminar
Proceedings No.3)
Volume = Year = 1989 Pages = 1-78
City = Dublin Publisher = Royal Dublin Society
Topics = Historical; Economics; Bogs- Alternative use; Bogs- Cutaway; Bogs;
Peatlands; Ireland

***** Volume-ID = 1- 118 Chapter of Book Reference *****
Authors = van Stavern,JM
Chapter = 17. Surveys and their sequence.
Volume = III 16 Year = 1980 Pages =
Book = Drainage Principles and Applications
III. Surveys and Investigations.
City = Wageningen Publisher = I.I.L.R.I. Netherlands
Topics = Surveys

***** Volume-ID = 1- 119 Chapter of Book Reference *****
Authors = Kessler,J; Raad,SJ
Chapter = 18. Analysing rainfall data.
Volume = Year = 1980 Pages =
Book = Drainage Principles and Applications.
III. Surveys and Investigations.
City = Wageningen Publisher = I.I.L.R.I. Netherlands.
Topics = Rainfall

***** Volume-ID = 1- 120 Chapter of Book Reference *****
Authors = Kijne,JW
Chapter = 19. Determining Evapotranspiration.
Volume = Year = 1980 Pages =
Book = Drainage Principles and Applications.
City = Wageningen Publisher = I.I.L.R.I. Netherlands
Topics = Evapotranspiration

***** Volume-ID = 1- 121 Chapter of Book Reference *****
Authors = van de Meer,K; van de Graaff,RHM
Chapter = 20. Hydropedological survey.
Volume = Year = 1980 Pages =
Book = Drainage Principles and Applications.
City = Wageningen Publisher = I.I.L.R.I. Netherlands.
Topics = Hydropedological surveys

***** Volume-ID = 1- 122 Chapter of Book Reference *****
Authors = de Ridder,NA
Chapter = Groundwater Survey.
Volume = III Year = 1980 Pages =
Book = Drainage Principles and Applications.
Surveys and Investigations
City = Wageningen Publisher = I.I.L.R.I. Netherlands
Topics = Groundwater surveys

***** Volume-ID = 1- 128 Journal Reference *****

Authors = Madden,D

Article = Reconnaissance resistivity mapping at Clara Bog, Co. Offaly
using the EM-VLF-R Technique.

Volume = Year = 1990 Pages =

Journal = Project Report Series, University College Galway Applied
Geophysics Unit, AGP90/5

Topics = Geophysics- Resistivity; Bogs- Clara; Offaly; Geophysics- VLF-EM;
Geophysics- VLF-R; Geophysics; Bogs; Ireland

***** Volume-ID = 1- 129 Journal Reference *****

Authors = Smyth,M; Farenhorst,A; Barton,K

Article = Preliminary report on Schlumberger resistivity soundings at Clara
and Raheenmore Bogs, Co. Offaly.

Volume = Year = 1990 Pages =

Journal = Project Report Series, University College Galway Applied
Geophysics Unit, AGP90/2

Topics = Geophysics; Geophysics V.E.S.; Bogs- Clara; Bogs- Raheenmore;
Offaly; Bogs; Ireland

***** Volume-ID = 1- 130 Journal Reference *****

Authors = Farenhorst,A.; Biewinga,D,T

Article = Preliminary report on Schlumberger resistivity soundings and
electromagnetic terrain survey using EM34-4 at Clara and Raheenmore
bogs, Co. Offaly.

Volume = Year = 1990 Pages =

Journal = Unpublished Fysisch Geografisch en Bodemkundig Laboratorium,
Universiteit van Amsterdam, Netherlands.

Topics = Geophysics; Geophysics- V.E.S.; Geophys. electromagnetics; Geology;
Bogs- Clara; Bogs- Raheenmore; Offaly; Bogs; Ireland

***** Volume-ID = 1- 131 Journal Reference *****

Authors = Flynn,R

Article = Clara Bog: A Hydrogeological Study.

Volume = Year = 1990 Pages =

Journal = Unpublished M.Sc. Thesis, University of Birmingham, Dept. of
Geological Sciences.

Topics = Geology; Geophysics; Hydrology; Hydrochemistry; Hydrogeology;
Soak System; Bogs- Clara; Offaly; Bogs; Ireland

***** Volume-ID = 1- 132 Journal Reference *****

Authors = Henderson,R

Article = Piezometers and Well Screen Installation in Boreholes at Clara and
Raheenmore Bogs, Co. Offaly.

Volume = Year = 1991 Pages =

Journal = Unpublished Report, Sligo Regional Technical College.

Topics = Piezometers; Well Screens; Bogs- Clara; Bogs- Raheenmore; Offaly;
Drilling; Bogs; Ireland

***** Volume-ID = 1- 133 Journal Reference *****
Authors = Smyth,M
Article = Geological Drilling on Clara and Raheenmore Bogs, Co. Offaly.
Volume = Year = 1991 Pages =
Journal = Unpublished Report, Geological Survey of Ireland.
Topics = Drilling; Bogs- Clara; Bogs- Raheenmore; Offaly; Geology; Bogs;
Ireland

***** Volume-ID = 1- 134 Journal Reference *****
Authors = Huisman,D,F,M,J
Article = Raised Bogs in Ireland- Hydrological Fieldwork at Clara Bog and
Raheenmore Bog.
Volume = Year = 1990 Pages =
Journal = Unpublished report, Department of Hydrology, Soil Science and
Hydraulics, Agricultural University Wageningen, Netherlands.
Topics = Bogs- Clara; Bogs- Raheenmore; Offaly; Bogs- Raised; Levelling;
Piezometers; Soak System; Hydrology; Hydrogeology; Bogs; Ireland

***** Volume-ID = 1- 135 Journal Reference *****
Authors = Gloudemans,E,
Article = A Practical Period on Irish Bogs- Report of the Hydrological Field
work on Clara and Raheenmore Bogs.
Volume = Year = 1990 Pages =
Journal = Unpublished Report, Hydrology Section; Agricultural University
Wageningen, Netherlands.
Topics = Bogs- Clara; Bogs- Raheenmore; Offaly; Bogs- Raised; Piezometers;
Water Balance; Hydrogeology; Hydrology; Bogs; Ireland

***** Volume-ID = 1- 136 Journal Reference *****
Authors = van Gerven,M,
Article = Preliminary studies on the hydrology of Clara and Raheenmore Bogs,
Co. Offaly.
Volume = Year = 1990 Pages =
Journal = Unpublished Report, Department of Hydrology, Soil Physics and
Hydraulics, Agricultural University Wageningen, Netherlands.
Topics = Bogs- Clara; Bogs- Raheenmore; Offaly; Water balance; Hydrophysics;
Hydrology; Bogs; Ireland

***** Volume-ID = 1- 137 Book Reference *****
Authors = Wesseling,J; van der Molen,WH; Nugteren,J; Kessler,J; de Ridder,NA;
Kraijenhoff,DA; de Zeeuw,JW
Book = Drainage Principles and Applications,
II. Theories of field drainage and watershed runoff.
Volume = 16 II Year = 1983 Pages = 1-363
City = Wageningen Publisher = I.I.L.R.I. Netherlands.
Topics = Subsurface water; Drainage; Water wells; Water seepage;
Groundwater runoff; Irrigation; Hydrology

***** Volume-ID = 1- 138 Book Reference *****
Authors = Gerard,D,
Book = Ref-11 System : A data base management system for bibliographic
references.
Version 3.1 for VAX/VMS.
Volume = Year = 1989 Pages =
City = Hartford, CT 06106 Publisher = DG Systems, 322 Prospect Ave.
Topics = Ref-11 User Documentation

Appendix C

Database summary sorted
alphabetically by author

***** Volume-ID = 1- 12 Journal Reference *****

Authors = Buckley,F,A,
Article = Induced Polarization and Resistivity Survey, Tober Area,
Co. Offaly. May 1974. P.L. 480 & 1505
Volume = Year = 1974 Pages =
Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.
Topics = Tober; Offaly; Geophysics; Geophysics- Resistivity;
Geophysics- I.P.; Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 97 Book Reference *****

Authors = Cabot,D
Book = The State of the Environment : Report prepared for the Minister of
the Environment.
Volume = Year = 1985 Pages = 1-202
City = Dublin Publisher = An Foras Forbatha
Topics = Water quality; Pollution; Drainage; Environment; Ireland

***** Volume-ID = 1- 27 Journal Reference *****

Authors = Clissmann,F
Article = Annual report for P.L. 1108-1111, 1113, 1377 in counties Offaly and
Westmeath for the year ending May 1978.
Volume = Year = 1978 Pages =
Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.
Topics = Offaly; Westmeath; Geochemistry; Geophysics- VLF-R;
Geophysics- VLF-EM; Geophysics- I.P.; Geophysics; Expl. Co. I.B.M.;
Ireland

***** Volume-ID = 1- 26 Journal Reference *****

Authors = Clissmann,F
Article = Annual report on P.L. 480-481 in Co. Offaly for year ending
November 21 1978.
Volume = Year = 1978 Pages =
Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.
Topics = Offaly; Geophysics; Geophysics- VLF-R; Geophysics- V.E.S.;
Geochemistry; Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 17 Journal Reference *****

Authors = Clissmann,F
Article = Annual report of P.L.549 in Counties Offaly and Westmeath for year
ending June 30 1978.
Volume = Year = 1978 Pages =
Journal = Unpublished I.B.M. Ltd. Exploration Dept. Report.
Topics = Offaly; Westmeath; Geophysics; Geophysics- VLF-EM;
Geophysics- VLF-R; Expl. Co. I.B.M.; Geochemistry; Ireland

***** Volume-ID = 1- 113 Chapter of Book Reference *****

Authors = Clymo,RS
Chapter = 4. Peat
Volume = 4A Year = 1983 Pages = 159-218
Book = Ecosystems of the World 4A, MIREs: Swamp, Bog, Fen and Moor.
City = Amsterdam Publisher = Elsevier Scientific Publishing Co.
Topics = Peat Structure; Chemistry; Bogs

***** Volume-ID = 1- 14 Journal Reference *****

Authors = Cullen,K,T
Article = Report of the geology of the area between Moate and Frankford
P.L. 480, 481, 594, 1108, 1109, 1111-1114, 1137 and 1138.
Counties Westmeath and Offaly. May 1972.
Volume = Year = 1972 Pages =
Journal = Anon.
Topics = Moate; Frankford; Geology; Westmeath; Offaly; Ireland

***** Volume-ID = 1- 68 Journal Reference *****

Authors = Daly,D
Article = Groundwater Pollution in Ireland: A Review.
Volume = Year = 1988 Pages = 36-45
Journal = Report for the 11th Environmental Health Conference.
Topics = Geology; Hydrogeology; Groundwater chemistry;
Groundwater contamination; Ireland

***** Volume-ID = 1- 122 Chapter of Book Reference *****

Authors = de Ridder,NA
Chapter = Groundwater Survey.
Volume = III Year = 1980 Pages =
Book = Drainage Principles and Applications.
Surveys and Investigations
City = Wageningen Publisher = I.I.L.R.I. Netherlands
Topics = Groundwater surveys

***** Volume-ID = 1- 127 Chapter of Book Reference *****

Authors = Dieleman,PJ
Chapter = 26. Deriving soil hydrological constants from field drainage tests.
Volume = III Year = 1980 Pages =
Book = Drainage Principles and Applications.
Surveys and Investigations.
City = Wageningen Publisher = I.I.L.R.I. Netherlands
Topics = Soil; Hydrological constants

***** Volume-ID = 1- 83 Journal Reference *****

Authors = Dooge,J
Article = The Water Balance of Bogs and Fens.
Volume = Year = 1972 Pages =
Journal = International Symposium on Marsh-Ridden Areas.
Topics = Water Balance; Peat; Moisture characteristics; Bogs; Fens

***** Volume-ID = 1- 65 Journal Reference *****

Authors = Dywer,DJ
Article = The Peat Bogs of the Irish Republic: A Problem in Land Use.
Volume = Year = 1960 Pages =
Journal = ??????
Peat
Topics = Bogs; Peat; Land use; Ireland

***** Volume-ID = 1- 59 Journal Reference *****
Authors = Eggelsmann,RF
Article = Annual groundwater course in Peatlands with different vegetation.
Volume = Year = 1984 Pages = 137-147
Journal = Special publication for the International Peat Congress, Dublin.
Topics = Ecology; Hydrology; Agriculture; Bogs- Conservation; Ireland

***** Volume-ID = 1- 69 Journal Reference *****
Authors = Elrik,DE; Reynolds,WD
Article = Water Flux - Components and their measurement.
Volume = Year = 1989 Pages = 1-23
Journal = Proceedings of Applied Soil Physical Stress Experiments.
Topics = Hydrology; Water flux; Physics

***** Volume-ID = 1- 130 Journal Reference *****
Authors = Farenhorst,A.; Biewinga,D.T
Article = Preliminary report on Schlumberger resistivity soundings and
electromagnetic terrain survey using EM34-4 at Clara and Raheenmore
bogs, Co. Offaly.
Volume = Year = 1990 Pages =
Journal = Unpublished Fysisch Geografisch en Bodemkundig Laboratorium,
Universiteit van Amsterdam, Netherlands.
Topics = Geophysics; Geophysics- V.E.S.; Geophys. electromagnetics; Geology;
Bogs- Clara; Bogs- Raheenmore; Offaly; Bogs; Ireland

***** Volume-ID = 1- 43 Journal Reference *****
Authors = Feeley,J; Welsby,JM
Article = Environmental aspects of peat arising from intensive peatland
exploitation in Ireland.
Volume = 1 Year = 1988 Pages = 270-276
Journal = Proceedings of the International Symposium on the hydrology of
wetlands in temperate and cold regions , Finland.
Topics = Peat; Silt; Peat- Environment; Legislation; Hydrology; Ireland

***** Volume-ID = 1- 55 Journal Reference *****
Authors = Finn,S; Mulqueen,J; Finnerty,P; Collins,JF; Ryan,TD
Article = Stratigraphy and Hydrology of a cutover raisedbog in Co.Mayo.
Volume = Year = 1984 Pages = 148-167
Journal = International Peat Congress, Dublin.
Topics = Surveys; Bogs- Classification; Ecology; Hydrology; Stratigraphy;
Ireland

***** Volume-ID = 1- 131 Journal Reference *****
Authors = Flynn,R
Article = Clara Bog: A Hydrogeological Study.
Volume = Year = 1990 Pages =
Journal = Unpublished M.Sc. Thesis, University of Birmingham, Dept. of
Geological Sciences.
Topics = Geology; Geophysics; Hydrology; Hydrochemistry; Hydrogeology;
Soak System; Bogs- Clara; Offaly; Bogs; Ireland

- ***** Volume-ID = 1- 108 Book Reference *****
Authors = Hubbard,JCE
Book = Grasses- A guide to their structure, identification, uses and
distribution in the British Isles.
Volume = Year = 1984 Pages = 7-461
City = London Publisher = Penguin Group
Topics = Grasses; Botany- British Isles; Botany
- ***** Volume-ID = 1- 134 Journal Reference *****
Authors = Huisman,D,F,M,J
Article = Raised Bogs in Ireland- Hydrological Fieldwork at Clara Bog and
Raheenmore Bog.
Volume = Year = 1990 Pages =
Journal = Unpublished report, Department of Hydrology, Soil Science and
Hydraulics, Agricultural University Wageningen, Netherlands.
Topics = Bogs- Clara; Bogs- Raheenmore; Offaly; Bogs- Raised; Levelling;
Piezometers; Soak System; Hydrology; Hydrogeology; Bogs; Ireland
- ***** Volume-ID = 1- 112 Chapter of Book Reference *****
Authors = Ingram,HAP
Chapter = 3. Hydrology
Volume = 4A Year = 1983 Pages = 67-150
Book = Ecosystems of the World 4A, MIREs: Swamp, Bog, Fen and Moor.
City = Amsterdam Publisher = Elsevier Scientific Publishing Co.
Topics = Water balance; Hydrological cycle; Water Recharge; Hydrology
- ***** Volume-ID = 1- 54 Journal Reference *****
Authors = Ingram,HAP; Bragg,OM
Article = The Diplotelmic Mire: Some Hydrological consequences reviewed.
Volume = I Year = 1984 Pages = 220-234
Journal = International Peat Congress, Dublin.
Topics = Ecology; Bogs- Preservation; Peatlands; Hydrology
- ***** Volume-ID = 1- 84 Journal Reference *****
Authors = Ingram,HAP; Rycroft,DW; Williams,DJA
Article = Anomalous transmission of water through certain peats.
Volume = 22 Year = 1974 Pages = 213-218
Journal = Journal of Hydrology, Netherlands.
Topics = Hydraulic conductivity; Piezometers; Peat; Bogs; Hydrology
- ***** Volume-ID = 1- 89 Journal Reference *****
Authors = Ivanov,KE
Article = Hydrological stability criteria and reconstruction of bogs and
bog/lake systems.
Volume = Year = ?? Pages =
Journal = ???
Topics = Hydrology; Water balance; Bogs; Bogs- Reconstruction
- ***** Volume-ID = 1- 70 Journal Reference *****
Authors = Jantunen,; Hannu,
Article = Drainage experiments on ErCS-peat in the Laboratory.
Journal = Special Publication for the 4th International Peat Congress.
Topics = Drainage; Peatlands

***** Volume-ID = 1- 102 Book Reference *****

Authors = Jermy,AC; Tutin,TG

Book = Sedges of the British Isles.

Volume = 1 Year = 1982 Pages = 7-263

City = London

Publisher = Botanical Society of the B.Isles.

Topics = Ecology; Botany; Sedges; Botany -British Isles

***** Volume-ID = 1- 41 Journal Reference *****

Authors = Keane,RF

Article = The Hydrology of Peatland.

Volume = Year = 1972 Pages =

Journal = Unpublished M.Eng./Sc. Thesis, University College Cork, Ireland.

Topics = Peat; Evaporation; Hydrology; Infiltration; Ireland

***** Volume-ID = 1- 139 Journal Reference *****

Authors = Keegan,M,; Barton,K,J,

Article = A proposed bibliographic database for the Irish-Dutch Geohydrology and Ecology Study of Clara and Raheenmore Bogs, Co. Offaly.

Volume = Year = 1991 Pages =

Journal = Unpublished report, Applied Geophysics Unit, University College Galway.

Topics = Bibliographic Database

***** Volume-ID = 1- 123 Chapter of Book Reference *****

Authors = Kessler,J; de Ridder,NA

Chapter = 22. Assessing Groundwater Balance.

Volume = III Year = 1980 Pages =

Book = Drainage Principles and Applications, Surveys and Investigations.

City = Wageningen

Publisher = I.I.L.R.I. Netherlands

Topics = Groundwater Balance

***** Volume-ID = 1- 125 Chapter of Book Reference *****

Authors = Kessler,J; Oosterbaan,RJ

Chapter = 24. Determining Hydraulic Conductivity of Soils.

Volume = III Year = 1980 Pages =

Book = Drainage Principles and Applications, Surveys and Investigations.

City = Wageningen

Publisher = I.I.L.R.I. Netherlands.

Topics = Hydraulic conductivity; Soil

***** Volume-ID = 1- 119 Chapter of Book Reference *****

Authors = Kessler,J; Raad,SJ

Chapter = 18. Analysing rainfall data.

Volume = Year = 1980 Pages =

Book = Drainage Principles and Applications, III. Surveys and Investigations.

City = Wageningen

Publisher = I.I.L.R.I. Netherlands.

Topics = Rainfall

***** Volume-ID = 1- 9 Journal Reference *****

Authors = Kiernan,N
Article = Report of geophysical work on Boora Bog , Co. Offaly for year
ending January 1 1971. P.L. 1377-1378.
Volume = Year = 1971 Pages =
Journal = Unpublished Contractors Report.
Topics = Bogs- Boora; Offaly; Geophysics; Geophysics- I.P.;
Geophys. Electromagnetics; Geochemistry; Ireland

***** Volume-ID = 1- 120 Chapter of Book Reference *****

Authors = Kijne,JW
Chapter = 19. Determining Evapotranspiration.
Volume = Year = 1980 Pages =
Book = Drainage Principles and Applications.
City = Wageningen Publisher = I.I.L.R.I. Netherlands
Topics = Evapotranspiration

***** Volume-ID = 1- 3 Journal Reference *****

Authors = Klein,J
Article = Induced Polarization Survey Ballycumber area, Co. Offaly.
Volume = Year = 1971 Pages =
Journal = Unpublished Seigel Assoc.(Jamaica) Ltd. Report.
Topics = Ballycumber; Geophysics; Geophysics- I.P.; Geology;
Expl. Co. Seigel; Offaly; Ireland

***** Volume-ID = 1- 94 Book Reference *****

Authors = Koorevaar,P; Menelik,G; Dirksen,C
Book = Elements of Soil Physics.
Volume = 13 Year = 1983 Pages = 1-230
City = Amsterdam Publisher = Elsevier Science Publishers B.V.
Topics = Soil; Water flow; Gas transport; Heat transport

***** Volume-ID = 1- 91 Journal Reference *****

Authors = Korpijaakko,M; Radforth,NW
Article = Studies on the Hydraulic Conductivity of Peat.
Volume = III Year = ??? Pages =
Journal = Special publication , 4th International Peat Congress.
Topics = Peat; Hydraulic conductivity; Humification; Water depth;
Water content

***** Volume-ID = 1- 77 Journal Reference *****

Authors = Kubyskin,GP
Article = Effect of drainage reclamation on river flow.
Volume = Year = ?? Pages =
Journal = General Discussion ???
Topics = Drainage; Reclamation; Peatlands

***** Volume-ID = 1- 93 Book Reference *****

Authors = Levathes,LE
Book = National Geographic - Mysteries of the Bogs.
Volume = 171-3 Year = 1987 Pages = 397-420
City = Washington D.C. Publisher = National Geographic Society
Topics = Bogs; Bogs- Formation; Archaeology; Bogs- American; Ireland

***** Volume-ID = 1- 6 Journal Reference *****

Authors = Lewis,M

Article = Report on I.P. surveys on behalf of Gortdrum Mines Ltd.
November 1970

Volume = Year = 1970 Pages =

Journal = Unpublished Seigel Assoc. (Jamaica) Ltd. Report.

Topics = Geology; Geophysics- I.P.; Geophysics; Expl. Co. Seigel; Offaly;
Westmeath; Ireland

***** Volume-ID = 1- 128 Journal Reference *****

Authors = Madden,D

Article = Reconnaissance resistivity mapping at Clara Bog, Co. Offaly
using the EM-VLF-R Technique.

Volume = Year = 1990 Pages =

Journal = Project Report Series, University College Galway Applied
Geophysics Unit, AGP90/5

Topics = Geophysics- Resistivity; Bogs- Clara; Offaly; Geophysics- VLF-EM;
Geophysics- VLF-R; Geophysics; Bogs; Ireland

***** Volume-ID = 1- 37 Journal Reference *****

Authors = Mc Cabe,AM; Dardis,GF

Article = Sedimentology and depositional setting of late Pleistocene
Drumlins, Galway Bay, Western Ireland.

Volume = 59-6 Year = 1989 Pages = 944-959

Journal = Journal of Sedimentary Petrology.

Topics = Geology- Quaternary; Geology- Drumlins; Geology; Galway; Ireland

***** Volume-ID = 1- 1 Journal Reference *****

Authors = McKillen,T,N

Article = Report on the geology of the Moate and Killeigh licence groups,
Counties Westmeath, Offaly and Laois

Volume = Year = 1971 Pages =

Journal = Unpublished IBM Ltd. Exploration Report.

Topics = Geology; Moate; Killeigh; Westmeath; Offaly; Laois;
Expl. Co. I.B.M.; Ireland

***** Volume-ID = 1- 85 Journal Reference *****

Authors = McNally,G

Article = Developments of Industrial Cutover Bog in Ireland.

Volume = Year = ?? Pages =

Journal = ??????

Topics = Bogs- Cutaway; Peatlands; Agriculture; Forestry; Ireland

***** Volume-ID = 1- 72 Journal Reference *****

Authors = McNally,G

Article = Future utilisation of industrial cutaway peatlands.

Volume = Year = ?? Pages =

Journal = Internal report for Bord na Mona..

Topics = Peatlands; Bogs- Formation; Bogs- Exploitation; Bogs- Utilisation;
Bogs- cutaway; Ireland

***** Volume-ID = 1- 117 Book Reference *****

Authors = Mollan,C(editor)
Book = The utilisation of Irish Midland Peatlands (R.D.S. Seminar
Proceedings No.3)
Volume = Year = 1989 Pages = 1-78
City = Dublin Publisher = Royal Dublin Society
Topics = Historical; Economics; Bogs- Alternative use; Bogs- Cutaway; Bogs;
Peatlands; Ireland

***** Volume-ID = 1- 106 Book Reference *****

Authors = Moore,PD; Bellamy,DJ
Book = Peatlands
Volume = Year = 1974 Pages = 1-214
City = London Publisher = Paul Elek(Scientific Books) Ltd.
Topics = Ecosystems; Peatlands; Bogs- Conservation

***** Volume-ID = 1- 46 Journal Reference *****

Authors = Mulqueen,J
Article = Reclaiming a low-lying cutover bog.
Journal = ANON. ????
Topics = Drainage; Bogs- Cutaway; Bogs- Reclamation; Creagh; Mayo; Ireland

***** Volume-ID = 1- 44 Journal Reference *****

Authors = Mustonen,SE; Seuna,P
Article = Influence of forest drainage on the hydrology of an open bog in
Finland.
Volume = Year = 1970 Pages = 519-529
Journal = Topic III ???
Topics = Hydrology; Forestry; Drainage; Bogs- Finland; Bogs

***** Volume-ID = 1- 98 Chapter of Book Reference *****

Authors = Petersen,RG; Calvin,LD
Chapter = 2. Sampling
Volume = Year = 1986 Pages = 33-50
Book = Methods of Soil Analysis: 1. Physical and Mineralogical Methods
City = Madison, Wi. Publisher = American Society of Agronomy Inc.
Topics = Soil Sampling

***** Volume-ID = 1- 107 Book Reference *****

Authors = Polunin,O
Book = Flowers of Europe.
Volume = Year = 1969 Pages = 1-640
City = London .. Publisher = Oxford Press
Topics = Botany; Botany- Europe

***** Volume-ID = 1- 100 Chapter of Book Reference *****

Authors = Reeve,RC
Chapter = 22.Water potential: Piezometry
Volume = Year = 1986 Pages = 545-560
Book = Methods of Soil Analysis: 1. Physical and Mineralogical method.
City = Madison, Wn. Publisher = American Society of Agronomy Inc.
Topics = Piezometers; Water potential

***** Volume-ID = 1- 47 Journal Reference *****
Authors = Roulet,NI; Woo,Ming-Ko
Article = Hydrology of a wetland in the continous Permafrost region.
Volume = Year = 1986 Pages = 73-91
Journal = Journal of Hydrology, Elsevier Science Publishers, Amsterdam.
Topics = Water balance; Water retention; Peat; Hydrology; Permafrost;
Wetlands- Canada

***** Volume-ID = 1- 56 Journal Reference *****
Authors = Ryan,JB; Cross,JR
Article = The Conservation of Peatlands in Ireland.
Volume = I Year = 1984 Pages = 388-406
Journal = International Peat Congress, Dublin.
Topics = Peat- Surveys; Bogs- Conservation; Peatlands; Ireland

***** Volume-ID = 1- 75 Journal Reference *****
Authors = Schouwenaars,JM
Article = The impact of water management upon Groundwater fluctions in a
disturbed bog relict.
Volume = 14 Year = 1988 Pages = 439-449
Journal = Agricultural Water Management, Elsevier Science Publishers B.V.
Amsterdam.
Topics = Water Management; SWAMP model; Bogs; Groundwater

***** Volume-ID = 1- 38 Journal Reference *****
Authors = Schouwenaars,JM
Article = Hydrological characteristics of bog relicts in the
Engbertsdijksevenen after peat cutting and rewetting.
Volume = Year = 1989 Pages =
Journal = Paper for Symposium on Peatland Ecosystems and Man - An Impact
Assesment. Dundee, Scotland.
Topics = Hydrology; Lysimeters; Peatlands; Netherlands

***** Volume-ID = 1- 49 Journal Reference *****
Authors = Schouwenaars,JM
Article = I. Problem orientated studies on Plant-Soil-Water relations.
Volume = Year = 1990 Pages = 3-25
Journal = Ph.D. Thesis , Agricultural University, Wageningen, Netherlands.
Topics = Hydrology; Plant-Soil-Water relation

***** Volume-ID = 1- 51 Journal Reference *****
Authors = Schouwenaars,JM
Article = III. Model studies on water management inbog relicts
Volume = Year = 1990 Pages =
Journal = Ph.D. Thesis, Agricultural University, Wageningen, Netherlands.
Topics = Water Management; SWAMP model; Hydrology; Hydraulic resistance;
Peat; Hydrophysical properties; Evapotranspiration; Netherlands

***** Volume-ID = 1- 129 Journal Reference *****

Authors = Symth,M; Farenhorst,A; Barton,K

Article = Preliminary report on Schlumberger resistivity soundings at Clara and Raheenmore Bogs, Co. Offaly.

Volume = Year = 1990 Pages =

Journal = Project Report Series, University College Galway Applied Geophysics Unit, AGP90/2

Topics = Geophysics; Geophysics V.E.S.; Bogs- Clara; Bogs- Raheenmore; Offaly; Bogs; Ireland

***** Volume-ID = 1- 60 Journal Reference *****

Authors = Topp,GC

Article = A rapid measurement of horizontal and vertical components of saturated hydraulic conductivity.

Volume = 25 No.2 Year = 1983 Pages = 193-197

Journal = Canadian Agricultural Engineering.

Topics = Hydraulic conductivity

***** Volume-ID = 1- 67 Journal Reference *****

Authors = van de Krogt,G; Osinga,T; Hammond,RF

Article = A survey of the vegetation patterns and water tables on two raised bog remnants in Co. Kildare.

Volume = Year = ?? Pages =

Journal = Unpublished report, Department of Land Reclamation, Agricultural University, Wageningen / Irish Agricultural Institute, Kildare.

Topics = Bogs- Raised; Bogs- Conservation; Ecology; Vegetation; Water tables; Kildare; Ireland

***** Volume-ID = 1- 121 Chapter of Book Reference *****

Authors = van de Meer,K; van de Graaff,RHM

Chapter = 20. Hydropedological survey.

Volume = Year = 1980 Pages =

Book = Drainage Principles and Applications.

City = Wageningen Publisher = I.I.L.R.I. Netherlands.

Topics = Hydropedological surveys

***** Volume-ID = 1- 35 Journal Reference *****

Authors = van der Krogt,G; Osinga,T

Article = A comparative study of vegetation and certain peat parameters for Lodge Bog and Ballynafagh Bog, Co. Kildare, to determine their suitability for conservation and education.

Volume = Year = 1987 Pages =

Journal = Unpublished Report, Department of Land Reclamation and Improvement, Agricultural University, Wageningen, Netherlands.

Topics = Hydrology; Bogs- Raised; Vegetation; Peat; Ireland

***** Volume-ID = 1- 36 Journal Reference *****

Authors = van der Molen,PC

Article = A study on patterns and processes in hummock-hollow complexes on Irish Raised bogs.

Volume = Year = 1986 Pages =

Journal = Unpublished Internal Report, Hugo de Vries Laboratory, Department of Palynology and Palaeo/Actuo-Ecology, University of Amsterdam.

Topics = Bogs- Raheenmore; Bogs- Clara; Bogs- Mongan; Bogs- Woodfield; Offaly; Bogs; Geology; Geomorphology; Climatology; Palaeoecology; Palynology; Vegetation

***** Volume-ID = 1- 39 Journal Reference *****

Authors = van der Molen,PC; Schalkoort,M; Smit,R

Article = Hummock-Hollow Complexes on Clara Bog, Co. Offaly, Ireland. A Habitat and Niche Approach.

Volume = Year = 1991 Pages =

Journal = Unpublished report

Topics = Bogs- Clara; Vegetation; Offaly; Bogs; Ireland

***** Volume-ID = 1- 96 Book Reference *****

Authors = van Eck,H; Govers,A; Lemaire,A; Schaminee,A

Book = Irish Bogs - A case for planning.

Volume = Year = 1984 Pages = 1-332

City = Nijmegen Publisher = Katholieke Universiteit

Topics = Peatlands; Bogs- Ombrotrophic; Peat- Exploitation; Bogs- Conservation; Policy requirements; Ireland

***** Volume-ID = 1- 136 Journal Reference *****

Authors = van Gerven,M,

Article = Preliminary studies on the hydrology of Clara and Raheenmore Bogs, Co. Offaly.

Volume = Year = 1990 Pages =

Journal = Unpublished Report, Department of Hydrology, Soil Physics and Hydraulics, Agricultural University Wageningen, Netherlands.

Topics = Bogs- Clara; Bogs- Raheenmore; Offaly; Water balance; Hydrophysics; Hydrology; Bogs; Ireland

***** Volume-ID = 1- 95 Book Reference *****

Authors = van Staveren,JM

Book = Drainage Principles and Applications: Introductory subjects.

Volume = 16-1 Year = 1979 Pages = 1-227

City = Wageningen Publisher = I.I.L.R.I. Netherlands

Topics = Hydrogeology; Soil; Drainage; Soil physics; Groundwater hydraulics; Electrical models; Netherlands

***** Volume-ID = 1- 118 Chapter of Book Reference *****

Authors = van Stavern,JM

Chapter = 17. Surveys and their sequence.

Volume = III 16 Year = 1980 Pages =

Book = Drainage Principles and Applications III. Surveys and Investigations.

City = Wageningen Publisher = I.I.L.R.I. Netherlands

Topics = Surveys

***** Volume-ID = 1- 10 Journal Reference *****

Authors = Walker, T
Article = Report of exploration on South Crofty P.L. 883 & 1506
Kilbeggan area, Counties Offaly and Westmeath.
Volume = Year = 1974 Pages =
Journal = Unpublished American Smelting & Refining Co. Report
Topics = Kilbeggan; Offaly; Westmeath; Expl. Co. ASARCO; Geophysics;
Geophysics- Chargeability; Geophysics- Resistivity;
Geophysics- I.P.; Ireland

***** Volume-ID = 1- 13 Journal Reference *****

Authors = Walker, T,
Article = Report of exploration on South Crofty P.L. 883 & 1506 in
Kilbeggan area. countries Offaly and Westmeath. P.L. 480
Volume = Year = 1975 Pages =
Journal = Unpublished American Smelting & Refining Co. Report.
Topics = Kilbeggan; Offaly; Westmeath; Geochemistry;
Geophysics- Chargeability; Geophysics- Resistivity;
Geophysics- Magnetics; Geophysics- I.P.; Expl. Co. ASARCO; Ireland

***** Volume-ID = 1- 105 Book Reference *****

Authors = Wardlaw, AC
Book = Practical Statistics for Experimental Biologists.
Volume = Year = 1987 Pages = 1-285
City = Chichester Publisher = Wiley Interscience.
Topics = Statistics; Biology

***** Volume-ID = 1- 114 Book Reference *****

Authors = Warmerdam, PMM
Book = Catchment Hydrology.
Lecture Notes.
Volume = Year = 1989 Pages =
City = Wageningen Publisher = Agricultural University Publ.
Topics = Hydrological cycle; Drainage; Hydraulic system; Rainfall; Hydrology;
Hydrograph analysis

***** Volume-ID = 1- 109 Book Reference *****

Authors = Webb, DA
Book = An Irish Flora.
Volume = Year = 1977 Pages =
City = Dublin Publisher = Dundalgan Press, (W.Tempest) Ltd.
Topics = Botany; Ireland

***** Volume-ID = 1- 126 Chapter of Book Reference *****

Authors = Wesseling, J; Kruseman, GP
Chapter = 25. Deriving Aquifer Characteristics from Pumping Tests.
Volume = III Year = 1980 Pages =
Book = Drainage Principles and Applications.
Surveys and Investigations.
City = Wageningen Publisher = I.I.L.R.I. Netherlands.
Topics = Aquifers

- ***** Volume-ID = 1- 137 Book Reference *****
Authors = Wesseling,J; van der Molen,WH; Nugteren,J; Kessler,J; de Ridder,NA;
Kraijenhoff,DA; de Zeeuw,JW
Book = Drainage Principles and Applications,
II. Theories of field drainage and watershed runoff.
Volume = 16 II Year = 1983 Pages = 1-363
City = Wageningen Publisher = I.I.L.R.I. Netherlands.
Topics = Subsurface water; Drainage; Water wells; Water seepage;
Groundwater runoff; Irrigation; Hydrology
- ***** Volume-ID = 1- 63 Journal Reference *****
Authors = Wesseling,JG; Brandyk,T
Article = Steady state infiltration and capillary rise in high bog peat soil.
Volume = IV Year = 1984 Pages = 396-409
Journal = Special Publication for the International Peat Congress, Dublin.
Topics = Physics; Peat; Hydrology
- ***** Volume-ID = 1- 73 Journal Reference *****
Authors = Wilcock,DN
Article = The effects of channel clearances and peat drainage on the water
balance of the Glenullin Basin, Co. Derry.
Volume = 77 Year = 1977 Pages = 253-267
Journal = Proceedings of the Royal Irish Academy.
Topics = Water Balance; Drainage; Peatlands; Northern Ireland
- ***** Volume-ID = 1- 7 Journal Reference *****
Authors = Williams,B
Article = A brief report on resistivity profile at Kilbeggan P.L. 2786.
Volume = Year = 1980 Pages =
Journal = Unpublished Contractors Report.
Topics = Kilbeggan; Westmeath; Offaly; Geophysics; Geophysics- Resistivity;
Ireland
- ***** Volume-ID = 1- 30 Journal Reference *****
Authors = Windrim,D; Nelson,P
Article = Geology of Prospecting Licence areas 2663,2785,2786. Co. Westmeath
October 1978.
Volume = Year = 1978 Pages =
Journal = Unpublished Aquitaine Mining Ltd. Report.
Topics = Westmeath; Geology; Geomorphology; Expl. Co. Aquitaine; Ireland
- ***** Volume-ID = 1- 81 Journal Reference *****
Authors = Youngs,EG
Article = Shape factors for Kirkham's piezometer method for determining the
hydraulic conductivity of soil in situ for soils overlying an
impermeable floor or infinitely permeable stratum.
Volume = 106 -3 Year = 1968 Pages = 235-237
Journal = ???
Topics = Piezometers; Hydraulic conductivity; Soil