

BACKGROUND INFORMATION

INMAGIC Database Software

Internet

Web Communications Network

INMAGIC Plus Image Version for Document Management



Imaging without high costs or headaches

Taking control of the documents that flood the workplace has become a high priority for organizations of every shape and size. It's clear to most that imaging technology can play a vital role in this effort, offering a wide variety of benefits, including:

- Faster access to information
- Data integrity
- Less duplication of effort
- Elimination of lost, misplaced, or damaged documents
- Reduced physical storage
- Access to documents stored offsite
- Portability

And yet, a survey of available imaging technologies quickly uncovers three major obstacles: (1) no way to quickly and easily store and retrieve images; (2) high cost, proprietary hardware and software; (3) difficult to integrate and maintain.

The image-enabled version of INMAGIC Plus addresses these obstacles head on, enabling you to build databases that

Fast, easy retrieval

Scanning documents and putting the images on CD or other storage media is only part of the imaging equation. Without an effective way to index and retrieve images, you're probably better off with a manual document management system (also known as a file cabinet or storage room).

Of course, there is a better way . . . a faster, easier, less expensive way. It's called INMAGIC Plus.

INMAGIC Plus combines a powerful and easy-to-use search engine with the flexibility to handle full and abstracted text as well as fielded information. As a result, you can use and combine a variety of criteria (dates, abstracted text, names . . . even full text) to index and retrieve documents and the corresponding images.

Why so flexible? Unlike a traditional database system, *all* fields within a record can hold *any* amount of information. Just as important, *any* field can be indexed, whether you plan to fill it with a 10-character name or a 10-page contract.

Why so powerful? Unlike a text retrieval system, you can search across multiple fields. You can search within a date range. And you can search for words, word stems, and phrases. All at the same time.

An open system lowers costs

By adhering to industry standards, such as TIFF and Group IV compression, the image

With INMAGIC Plus, *everything* is open:

Open input

Virtually any scanner or scanning service bureau that can write images in TIFF format is compatible with INMAGIC Plus. By avoiding proprietary file formats, you always have complete freedom to use whatever system you want.

Open storage

Based on volume, store your images wherever it makes most sense. You may want to start out on a file server or even a hard disk drive. Or it may be more practical to use CD-ROM or read-write optical drives.

The point is, you're not locked in to a single media or a single manufacturer.

Open display

Many imaging systems require an add-on hardware board that decompresses images, enabling them to display on a monitor. In fact, some systems require a special monitor.

With INMAGIC Plus, you can display on standard EGA and VGA monitors. Moreover, the image version of INMAGIC Plus requires less than 500K of conventional RAM. No extra boards. No extra costs.

Open printing

Print images on a wide cross-section of printers, including the Hewlett Packard LaserJet series. In fact, with the LaserJet IV, you can expect output speeds ranging from six to seven pages per minute. Again, additional hardware boards or specialized software are unnecessary.

Search, view, and print in a matter of seconds

Finding documents is fast and easy.

You can retrieve documents and the corresponding images using ranges, names, phrases . . . whatever combination of fielded and full-text information is necessary to broaden or narrow a search.

Menus, fill-in-the-blank search screens, and pick lists eliminate the need to memorize field names, learn search syntax, or guess at keywords and terms.

In a matter of minutes, you can customize the search screen to add a field to it or to change a prompt. For maximum search power, each search screen can include as many as 10 fill-in-the-blank prompts, and each prompt can search as many as 20 fields.

Once you've searched for and retrieved document records, you can view, sort, and print them in a report format or with the press of a key, display or print the corresponding images.

A thumbnail view and zoom function help you quickly locate and inspect margin notes, signatures, etc.

If a document was scanned upside-down or sideways, you can rotate the image in 90-degree increments, saving the time and trouble of re-scanning.

DOCUMENT: SEARCH, deferred indexing

1 records found

1 records found

Date: >1988
Subject(s): LABOR
Author:
Recipient: bonair
Type of document: contract
CC/Other:
Doc or Exhibit No.:
Display Store Report Continue search New search delete Modify Quit
Show records found in search

1 records found

NUMBER: BTR 5018

DATE: Mar 03 1988 AUTHOR: District of Columbia Government
TYPE: Contract RECIP: Bonair
EXHIB: Exhibit 003 CC: Smith, WJ
TITLE: General Contractors Agreement Port Lincoln Project No 29069
SUMMARY: Master contract between District of Columbia Government and Krough. Covers all aspects of the construction, specifications, subcontracting, and change orders for Port Lincoln Elementary School.
SUBJS: Contracts
Consideration
Labor
Materials
Performance
Bituminous concrete fill
Design specifications
1 PgUp PgDn Home End F1 move expand Omit Edit Delete Image Quit

Philip PgDn Right Left Print Jump Thumbnail Esc

DISTRICT OF COLUMBIA GOVERNMENT
2000 WASHINGTON BLVD.
WASHINGTON, DC 20015
TEL 202-724-1304
FAX 202-724-1304



District of Columbia
Contractors Agreement
Contract #25099

This Agreement, made this 1st day of March, 1988, by and between the District of Columbia, a small political government and Special Act, 1224 of the District of Columbia Code, 1981.

1. BACKGROUND

1.1 District of Columbia is a government that is authorized to acquire, build, own, operate, maintain, and improve its infrastructure. The purpose of this Agreement is to provide for the construction, maintenance, and improvement of the infrastructure of the District of Columbia.

2. DEFINITIONS

For the purposes of this Agreement, the following definitions shall apply:

2.1 "Contract" is defined as Section 2.1.

2.2 "Performance" is defined as Section 2.2.

2.3 "The Project" is the construction project located in Section 2.3.

3. GRANT OF CONTRACT RIGHTS

3.1 The District of Columbia hereby grants to Contractor the right to acquire, build, own, operate, maintain, and improve its infrastructure. The Contractor shall be responsible for the construction, maintenance, and improvement of the infrastructure of the District of Columbia.

4. OBLIGATIONS OF CONTRACTOR

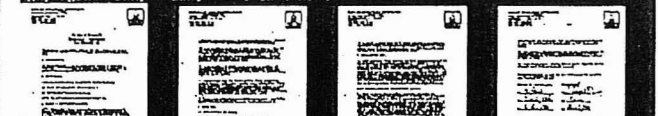
4.1 Contractor shall use its best efforts to complete the Project in accordance with the Contract. Contractor shall be responsible for the construction, maintenance, and improvement of the infrastructure of the District of Columbia. Contractor shall be responsible for the construction, maintenance, and improvement of the infrastructure of the District of Columbia.

Philip PgDn Right Left Print Jump Thumbnail Esc 4 of 4

with respect to each other in carrying out this Agreement.

IN WITNESS WHEREOF, the parties have caused this A
their duly authorized representatives:

Philip PgDn Jump Esc, 1 to 4 of 4



A quick look at INMAGIC Plus

Image Version for Document Management

Database information

- Field length: variable and unlimited
- Maximum number of repeating fields: unlimited
- Maximum number of fields: 75
- Maximum record size: unlimited
- Maximum number of indexes: 100
- Maximum number of databases: unlimited

Searching

- Field specific
- Keyword
- Word stem
- Phrase
- Proximity (within and preceded by)
- Nested Boolean (AND, OR, NOT)
- Comparisons (<, <=, >, >=, =)
- Ranges
- Unindexed fields
- Ignore leading articles and stop words
- Save and reuse search strategies

Image display, print, and navigation

- Zoom in and out
- Rotate in 90-degree increments
- Scroll within page
- Jump to page
- View in thumbnail display
- Reverse video (white on black)
- Adjust contrast
- Sort images by any field
- Print by:

- page

Data entry

- Validation options:
 - date
 - number
 - user-defined mask
 - look-up table
 - within range
 - entry required
 - unique entry required
 - non-repeating entry only
 - trailing text allowed
 - override allowed
- Batch modify and delete
- Batch import to load or amend records
- Full screen editor with default fields

Database definition

- Add new fields without reloading database
- Change indexing without reloading database
- Field-level password protection (read, write)

Reporting

- To printer, screen, or file
- Columns and paragraphs with word-wrap
- Calculations with totals, counts, 4-function arithmetic, and dates
- Conditionals at selected points within report
- Runtime literals
- Added text

Sorting

System requirements

DOS-compatible microcomputer:

- Operating system: DOS 3.0 or above
- Memory: Less than 500K conventional RAM
- Disk storage: Less than 1.2 Mb

Image requirements:

- Black-and-white only
 - TIFF (Group IV recommended)
 - PCX

Printer:

- Hewlett Packard LaserJet series (LaserJet IV recommended)
- Some Canon, Epson, and IBM models also supported.

Display:

- EGA
- VGA

Network versions:

- DOS-compatible (3.1 or above)
- Number of users searching or modifying a database simultaneously: limited by license only

Commonly asked questions about imaging

How do I create images?

You can purchase a scanner or use an imaging service bureau. Like most hardware products, scanners are available at a variety of price and performance points. Manufacturers include Hewlett Packard, Fujitsu, Canon, and others. Scanning software is usually bundled with a scanner, but you can also purchase off-the-shelf software if appropriate.

What's the difference between image scanning and OCR?

Image scanning and OCR (optical character recognition) both rely on a scanner and scanning software to capture information. With OCR, however, the final product is an ASCII file, similar to a word processing file, that contains the full text of the document. With image scanning, the final product is a "picture" of the document itself. One of the unique aspects of INMAGIC Plus is that you can take advantage of both technologies. You can find a document by searching within the full text of the document (captured through OCR) and then view an image of the document (captured through image scanning).

What image file format is required for the image version of INMAGIC Plus?

INMAGIC Plus uses the TIFF image format. The TIFF format was first developed for use with facsimile technology and has emerged as the de facto standard for black and white images. TIFF images are based on the CCITT specification. The CCITT specified several "Groups" for TIFF images. These groups provide various levels of compression. INMAGIC Plus supports Group III and IV compression. Inmagic Inc recommends Group IV compression because it is the most compressed of these formats and therefore

is a concern, and you only want to display (not print) images 200, 150 or 75 dpi will probably suffice. The lower the resolution, the smaller the file size of the image.

How big are images and where can I store them?

Image files can be quite large. For example, an 8.5 x 11-inch memorandum scanned at 200 dpi requires approximately 30K after compression. The size of image files varies according to the input resolution (75 to 300 dpi) as well as the density of the information on the document. Because the files are large, they can fill up a hard disk very quickly. Larger image databases may warrant the use of optical storage, such as CD-ROM.

One CD-ROM can hold up to 650 megabytes of information (thousands of images). If you need to store a large number of images (100,000 or more), an optical jukebox might be appropriate. An optical jukebox can contain multiple CD-ROMs and thus provides storage for very large image databases.

In addition, other optical media such as WORM (Write-Once-Read-Many) or Read-Write-Optical platters can be used for storage. You will need to determine your application needs before making a choice for your image storage.

How are my images linked to my database?

Images are linked to an INMAGIC Plus database by adding the names of image files to a designated field within database records. Once this process has occurred, the software automatically handles image display, navigation, printing, etc.

How do I add the names of the image files to

ASCII "add" file that will link your images to your database. This makes building your database very easy and quick.

2. You can manually type image file names into existing database records.

Note, at any time you can continue to add other information (such as Date, Type of Document, Author, etc) to your database. This can be done before your images are scanned or after.

How do I display my images?

After a search, you can display images with the press of a command key. Some image systems require high-end graphics monitors and image decompression boards. Because INMAGIC Plus works with standard EGA and VGA monitors and the TIFF image format, you do not need special monitors or decompression boards for image display.

How do I print my images?

Printing images can be slow. This is because decompressed images are very large, often 300 to 800K. You can greatly accelerate printing by using an HP LaserJet IV. Designed specifically to handle images, the HP IV can print 300 dpi images at a rate of six to seven pages per minute.

Can I run the image version of INMAGIC Plus on a network?

Yes, DOS-compatible networks such as Novell, Banyan, and Lantastic are supported.

How do I find out more?

You can contact an INMAGIC dealer or call Inmagic Inc directly at 617-661-8124.

INMAGIC is a registered trademark and Plus is a trademark of Inmagic Inc. Banyan, Canon, Fujitsu, Hewlett Packard, Lantastic, LaserJet, and Novell are

Table 1
Total Integrated System Installations by Type of Library

Large Systems	Public	Academic	Special	Gov't	TOTAL
BASIS see TECHLIBplus					
BEST-SELLER ¹	11	2	3	16	32
BiblioTech			2		2
BuCAT	1	14			15
CLSI LIBS 100 ⁵	3	3			6
Data Research - Atlas ²	3	3			6
- LBPH			1		1
DOBIS/LIBIS ^{3,5}	1	4		2	7
Dynix ²	44	2	2	4	52
Geac - ADVANCE	1				1
- GLIS	17	10		2	29
INLEX/3000	6	2	1		9
INMAGIC			1	1	2
INNOPAC	1	4	2	6	13
MINISIS	2		2	11	15
multiLIS ²	67	26	3	4	100
NOTIS		7			7
PALS	1	1			2
Sydney ^{2,4}		2	4	11	17
T/Series 50 ⁵		1			1
TECHLIBplus ⁵		1	9	2	12
ULISYS	3	1			4
UNICORN		1			1
VTLS	1				1
TOTAL	162	84	30	59	335

¹ Includes 9 shared CPU/software installations with separate licences.

² Includes additional pre-1991 systems not reported in past.

³ Includes official IBM version plus versions of DOBIS developed by College BiblioCentre and the National Library of Canada.

⁴ Unreliable data as installations cannot be verified.

⁵ Taken from prior surveys.

PC-Based Systems	Public	Academic	Special	Gov't	TOTAL
The Assistant			1		1
BEST-SELLER ¹			5	5	10
BIBLIOTRAC		1	2		3
Columbia Library System ²	27	19	29	6	81
Data Trek	3	3	13	9	28
DAVEXPC	4	4	7	12	27
DAVEXPLUS			8	3	11
EdiBase ³		31	75	111	217
The Eloquent Librarian	1	2	40	20	63
The Information Navigator			2	2	4
INMAGIC ⁴	18	112	830	370	1330
LEXIFILE ⁴		1	1		2
The Library Corporation	1				1
LibraryWorks ⁴			8	1	9

over 90 percent of all BuCAT systems are in Western college libraries. Dynix is strong in public libraries in Ontario and the West, reflecting the location of its offices. MultiLIS is mostly installed in public and academic libraries in Quebec and Ontario, and Geac has traditionally been strong in public and academic libraries in Ontario (both again reflecting the location of marketing staff). Minisis has appealed most strongly to government libraries in Ontario.

The West accounts for over a quarter of the total large library systems, Quebec also for over a quarter of the total, and Ontario for over 40 percent. The Atlantic provinces now represent 3 percent of all the installations.

Déjà vu for 1991 PC market

There was very little shift in the PC library system positioning from last year (see Figure 3). INMAGIC again reported an amazing number of installations, 305, for two-thirds of the market share (an increase of 2 percent). It has to be noted that as the vendor of INMAGIC did not submit a client list, the number of INMAGIC installations cannot be verified. An added fact is that the number of library systems it reported is based on the assumption that 80 percent of its sales are to libraries. Also worth keeping in mind is that some organizations have multiple licenses for INMAGIC rather than the network version.

Although the vendor of EDIBASE provided a list of 1991 clients, it is not possible to determine if the system was installed in a library or in some other part of the organization. Moreover, a complete client list has not been provided. On the basis that EDIBASE had 78 installations during 1991, it took 17 percent of the market — a

INMAGIC® Plus™

Textbase software for micro- and mini-computers

System Requirements

- DOS, DEC VAX and Micro VAX compatible
- Network versions: DOS-compatible

Database Information

- Variable length fields
- Repeating fields
- No records size limit
- No limit to number of databases
- Maximum 75 fields
- Maximum 100 indexes
- Image version available

Database Definition

- Change indexing without reloading database
- Password protect fields (read, write)
- Data validation
- Screen search prompts

Data Entry & Editing

- Data validation options
- Pop-up pick lists
- Batch modify and delete
- Full screen editor
- Data entry defaults
- Edit from formatted displays
- Paste information from other records

Sorting

- Five sort levels
- Multi-field interfilling
- Ascending and descending order

Reporting

- To printer, screen or file
- Word wrap
- Calculations
- Conditionals
- Added text
- Automatic punctuation
- Arabic or Roman numerals
- User-defined page length
- User-prompted questions

Searching

- Menu-driven or command mode
- Keyword
- Word Stem
- Phrase
- Proximity
- Boolean (AND, OR, NOT) & nested logic
- Comparisons (<, >, >=, <=, =)
- Ranges
- Unindexed field searching
- Save and reuse strategy
- Index browsing
- Customized search prompt screens

Utilities

- Import from ASCII
- Export to ASCII
- Maintain a usage log
- Print or write data structures to file
- database backup

INMAGIC Software
A Select Canadian Client List

IBM Canada	Toronto, ON
Nova Scotia Dept. of the Environment	Halifax, NS
CBC Record Library	Toronto, ON
Crown Life Assurance Company	Toronto, ON
H.A. Simons International Ltd.	Vancouver, BC
Asia Pacific Foundation	Vancouver, BC
University of Calgary	Calgary, AB
CanTox	Oakville, ON
Mutual Life	Kitchener, ON
Montreal General Hospital	Montreal, PQ
Carswell Legal Publications	Toronto, ON
Canada Development Corporation	Toronto, ON
Ontario Ministry of the Attorney General	Toronto, ON
Domtar	Montreal, PQ
Transport Canada	Winnipeg, MB
Clarkson Gordon	Calgary, AB
Price Waterhouse	Toronto, ON
Peat Marwick & Partners	Calgary, AB
Laval University	Quebec City, PQ
Parks Canada	Louisbourg, NS
Royal Military College	Kingston, ON
Ontario Bible College	Willowdale, ON
Foster Research	Calgary, AB
Ontario Hydro	Toronto, ON
Dene Nation Library and Archives	Yellowknife, NT
Greater Vancouver Library Federation	Vancouver, BC
Hay Management Consultants	Toronto, ON
Davies, Ward & Beck	Toronto, ON
McMillan Binch	Toronto, ON
Uniroyal Chemical Ltd.	Elmira, ON
Albright & Wilson	Mississauga, ON
Southam Communications Ltd.	Don Mills, ON
Goodman & Carr	Toronto, ON
Insurance Bureau of Canada	Toronto, ON
Alberta Energy Company	Edmonton, AB
Johnson & Johnson	Guelph, ON
Nova Husky	Calgary, AB
Deloitte & Touche	Toronto, ON
Forintek Canada Corporation	



M.E. PHIPPS & ASSOCIATES INC.

LIBRARY AND INFORMATION CONSULTANTS

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INMAGIC Plus for Libraries

PRODUCT REQUIREMENTS

LTR REPORT CARD

Features	6
Data Storage	6
Performance	7
Ease of Use	6
Documentation	8
Customer Support	8
<hr/>	
Overall Rating	6.6

maintaining text databases. It provides an upgrade program for the more than 6,000 customers of the older INMAGIC (Release 7.2).

From the moment the manuals are reviewed until the software has been loaded and the user is looking at the screen, it is very clear that INMAGIC Plus is not a typical automated library system. It has been designed to be a general purpose text management tool with additional capabilities built around it for a library.

A customer can establish multiple databases using a database design tool to create the data structure. The data structure establishes what fields are found in each record within the database. In addition, the library can control access to the various databases using passwords.

The data itself are stored in a separate file. Records can be imported into the database or they can be manually entered one by one. The software allows a library to build in consistency and validity checking to ensure that a high quality database is built and maintained.

INMAGIC Plus screens are designed so that the bottom of every screen presents the menu options, e.g., open database, define, utilities, help, and quit. The user can move to any option by pressing the first letter of the word or by using the arrow keys. In some cases INMAGIC Plus provides options in the form of function keys. Messages on the bottom line reveal what action will result when the highlighted option is selected.

Online Catalog

The search screen is simple to use with five search options presented to the user: subject, date, title, abstract, names. The cursor is placed immediately to the right of the first prompt. After the search request has been entered, the system identifies the number of records found. The user must then request the display of these records. If too many records have been retrieved, the search can be modified.

A single line or brief display of the record is provided to assist the user in selecting a record for further display. If no record format is specified, INMAGIC Plus displays the complete record with the different elements labeled. The search argument (word or words) is highlighted in the display of the record. (See figure 3.)

The user can specify boolean AND, OR, and NOT search terms, but must enter the characters "&, /, &-" for the boolean AND, OR, and NOT, respectively. Truncation and proximity searching are available when a

CLIENT: SEARCH, deferred indexing

NAME
COMPANY
ADDRESS
PHONE
CONTACTD
STATUS
NOTES
INDUSTRY
PERSON

Customer Name: _____
 Phone/Address: _____
 Last Contacted: _____
 Contract Status: _____

← search F3 browse F4 sets F8 other prompts F10 add prompt Esc quit

Fig. 1. Search entry screen-online catalog

CATALOG		Term index: DESC
1	SOCIAL POLICY	
1	SOIL EROSION	
2	STATISTICS	
4	STOCK EXCHANGE LAW	
1	TAX SHELTERS UNITED STATES	
1	TAXATION STATE	
2	TAXATION UNITED STATES	
2	TAXATION UNITED STATES CASES	
4	TAXATION UNITED STATES LAW AND LEGISLATION	
1	THEODORA EMPRESS CONSORT OF JUSTINIAN I EMPEROR OF THE EAST	
2	THESAURI	
1	TIME MANAGEMENT	
2	TRAVEL PLANNING	
1	U S GENERAL ACCOUNTING OFFICE	
2	U S SECURITIES AND EXCHANGE COMMISSION	
2	UNEMPLOYMENT	

CLIENT: DISPLAY, deferred indexing 81 of 3

NAME/1 Alden, Julia
 COMPANY/1 Cambridge Technology Group
 ADDRESS/1 4454 Brigham West
 ADDRESS/2 Seattle, WA 98104
 PHONE/1 206-546-8776
 CONTACTD/1 31-Mar-1992
 STATUS/1 Cancelled
 NOTES/1 Cambridge Technologies has gone through massive changes within their organization over the last 12 months. Their president and vice president, who've been with the company for more than 20 years, both resigned. My recommendation is to let their situation settle down before putting a great deal of energy into this account. They are planning to purchase three additional networks over the next 6 to 8 months.
 INDUSTRY/1 Hardware
 INDUSTRY/2 Software
 INDUSTRY/3 Publishing
 \$

↑ ↓ PgUp PgDn Home End move Next Previous OnIt Edit Delete Quit

Fig. 3. Bibliographic record display-online catalog

ORDER: DISPLAY, deferred indexing 3 records found

ORDER REQUEST

TO: Baker & Taylor FROM: Information Center
 Any Company, Inc.
 15 Central St.
 Anytown, State 11222
 123-555-6666

ORDER NUMBER: 1105-92
 ORDER DATE : Dec 22, 1992

SUPPLIER NUMBER	TITLE	COPIES	PRICE	TOTAL
	BUSINESS ONLINE	2	39.95	79.90

It is also possible to browse a list of index entries if a precise search argument is not known.

INMAGIC Plus for Libraries provides a number of predefined reports. These include book catalogs, research reports and bibliographies, catalog cards, labels, authority lists, and validation look-up files.

One of the real strengths of this product is a very flexible Report Writer, which allows the user to specify that existing predefined reports be run or that user-specified reports be created and printed.

Order Management

Typically the library establishes two files for Order Management or Acquisitions: supplier file and order file. INMAGIC Plus for Libraries supplies a default or suggested data structure for both these files but they can be altered to fit a local library's needs. Bibliographic information for an order file can be downloaded from an online search service or from a bookseller. The MARC adaptor will convert records from the MARC format to the INMAGIC format.

Funds accounting is not provided with the system although it is possible to track expenditures by fund or account number. Order information is entered into the order file and the orders are printed on demand. Orders and other Order Management activities can be sorted, e.g., by supplier, prior to printing.

The predefined Order Management Reports include management tools, e.g., acquisitions list, master list of orders, etc.; ordering and claiming, order financial reports, and validation look-up files. Note that the report can be displayed on the screen or queued to a printer.

As items are received, their status is changed and the records can then be subsequently deleted (or written to a file for subsequent analysis and then deleted).

Serials Management

The library can adopt a centralized approach to Serials Management by using the order database or using a separate Serials Management database. Inmagic supplies a default Serials Management data structure which can be used as is or altered by the customer library. The library may download MARC data or Ebsco holdings and ASCII invoice data to create a serials database.

simultaneously. As each issue is checked in, the routing information is displayed and a route slip may be printed in one of several formats. Missing issues can be claimed.

The predefined reports include the route lists options and reports pertaining to route lists and claiming.

Loan Management

The library can use INMAGIC Plus to manage the loan of materials. Two databases are provided by Inmagic-loans and borrower databases. The library may use barcodes if they choose to do so.

While the system manages loans, it does not provide for recall, reserves, Reserve Book Room, and other loan management activities normally found in an automated library system.

The predefined Loan Management reports include asking a borrower to return a book, listing titles out on loan, sending overdue reminders, asking a borrower if an item is still needed, and informing a borrower that a desired item is now in the library.

DATA STORAGE

INMAGIC Plus does not limit the size of a field or the record. Records may be repeated. The library is able to define what fields are used to create what indexes and how many indexes are created for each record. Thus, the customer has great flexibility in how and what data are stored.

While MARC records can be imported into INMAGIC Plus for Libraries, they are not stored nor can they be output. Thus, fixed fields, indicators, and subfield information are not preserved within INMAGIC Plus.

Data stored in the INMAGIC Plus for Libraries system

Data Element	Field Length (No. of characters)	Data Element	Field Length (No. of characters)
Bibliographic & Item Record	varies, library-defined	Order Record	varies, library-defined

EASE OF USE

The combination of the menu bar at the bottom of the screen, with either word or function key options, and the option to use commands to move about when searching makes using INMAGIC Plus easy. When there are several choices, as when choosing a database, a window opens up in the center of the screen and the user can use the arrow keys to move quickly to find what is desired.

The information on the screens is displayed in a straightforward manner and is easy to read. However, when displaying a complete record, the field label is repeated when the field contents are repeated, e.g., subject. This makes the screen more cluttered than need be.

Requiring the user to remember the use codes, i.e., &, / &-, when conducting a boolean search is difficult to understand.

It was not clear from the system or user manuals how to move from INMAGIC Plus to the various library-related functions, e.g., ordering, serials check-in, etc. This required a call to Inmagic for assistance.

In addition, INMAGIC Plus for Libraries is much more paper-oriented, i.e., the availability and variety of standard reports, than the majority of other systems included in this series of reviews. Whether this is bad or good will depend upon the needs of the library.

DOCUMENTATION

One of the strengths of this product is the extensiveness and high quality of users' manuals. All of the manuals are bound, 9" x 7-3/4" and fit neatly into an attractive box. The manuals include:

- *INMAGIC Plus User's Manual*. 542-page, two-color manual complete with table of contents, index, glossary, and a comprehensive list of error messages
- *INMAGIC Plus Command Reference*. 112-page, two-color manual providing a description and example of each command
- *INMAGIC Plus Installation Booklet*. 24-page
- *INMAGIC Plus Library Guide*. 492-page, single color manual with a table of contents and index

CUSTOMER SUPPORT

A toll-free telephone number for support is not provided. The cost of support on an annual basis is \$300. Two calls for support were handled in a timely and professional manner.

A quarterly newsletter, *Inmagic News*, is published. Approximately 40 users' groups are active around the world.

APPLICABILITY

INMAGIC Plus for Libraries is clearly designed for generalized text management applications. The additional functionality provided for libraries makes this product appealing to special, corporate, and government libraries.

OVERALL ASSESSMENT

INMAGIC Plus for Libraries is an easy-to-use generalized text management product that has additional functionality provided to make it appealing to special and government libraries. The strength of the product—its flexibility—also makes it necessary for users to perform a variety of activities, even repetitive activities, as for example, remembering to enter codes when doing a boolean search.

INMAGIC Plus receives high marks for ease of use and its documentation, but some libraries will find the product lacking some of the automatic features taken for granted in other automated library systems such as recalls, reserves, Reserve Book Room, and other loan management activities.

Internet

What is Internet?

- * the hub of global networks
- * provides high-speed electronic links for people in educational, government, and commercial establishment
- * consists of 45,000 networks and counts 20 million users internationally
- * increases in use at 15 percent per month
- * a tool for communications and research
- * a cost-effective way to share information and ideas

What can I benefit from Internet?

- * exchange information and ideas with researchers electronically
- * join online discussion groups or create one of your own
- * keep up with the latest development in your research field
- * search library catalogues, data bases and software libraries worldwide
- * transmit your data at very high speed and low cost
- * access free journals, books, documents, software, etc.
- * log on to a remote computer for various purposes
- * ask questions and get help from people in your neighbourhood or thousands of miles away

What do I need to connect to Internet?

- * a personal computer

Some groups already online:

■ Environmental

Greenpeace
Friends of the Earth
Canadian Environmental Network
Pollution Probe
Sierra Club
World Wildlife Fund

■ Peace

Beyond War
Canadian Institute for International Peace and Security
Peace Magazine
North Atlantic Peace Organization
Canadian Voice of Women for Peace
Veterans Against Nuclear Arms

■ Human Rights

Amnesty International
Anti-Apartheid Network
Jesuit Centre for Social Faith and Justice
Human Rights Watch
Central American Resource Network

■ International Development

International Development Research Centre
Canadian Council for International Cooperation
Institute of Cultural Affairs
CERLAC
Oxfam

■ And others...

Permaculture International
Social Investment Organization
Unitarian Church Council
United Nations Association

Non-profits are *Communicating*
with Canada's Non-profit
Communications Network



*"Communication and Information
for a Better World"*

Web, a service of

Ntrv Community Resource Centre
401 Richmond St. W., Suite 104
Toronto, Ontario
M5V 3A8
tel: (416) 596-0212
fax: (416) 596-1374

what Web can do for you...

■ Communication

Web can connect you like no other system.

Electronic mail and file transfer

You can reach over 5 million other people via Web.

Computer conferences

You can join over 750 public discussion forums or set up a private one to suit your needs.

Connections to other networks

APC Networks — sharing conferences and e-mail with Web's 'sister' networks around the globe.

Research networks — links to major academic networks like Bitnet, with 2100 sites worldwide.

Commercial networks — e-mail connections to dozens of systems, including fax and telex.

■ Information

Web is a constantly growing, user-created database.

Conferences

Web has over 3 years worth of accumulated information on hundreds of topics:

- > environment
- > peace
- > human rights
- > international development
- > social concerns

News

Web offers the latest in news reports from people involved in the events all over the planet.

Contacts Database

Listings of thousands of concerned activists and groups are available online.

for so little cost...

Web can save you money through reductions in postal, telephone, and travel expenses. Web provides more for less...

Web has two basic rates:

■ Individuals and non-profit groups

Membership fee	\$25 (one-time)
Subscription	\$180/year (\$120/year if income is below \$30,000)
System usage	\$6.00/hour with 2 hours/month free
Datapac connection	\$7.70/hour

■ Public (government) and private sectors

Membership fee	\$40 (one-time)
Subscription	\$270/year
Connect charge	\$19/hour (includes Datapac)

"Web is my one-stop information source for breaking environmental stories and background information. The Web is high-powered networking made easy and affordable."

— Peter Ronald,
Environmental News Service

"ReSysTold is a non-profit organization working with Third World partners. We use Web all the time and find it indispensable."

— Bruce Girard, Resystem

INMAGIC Database Program

SAMPLE REPORT FORMATS

for

Library, archival & document records

T.A.R.R. Centre of Manitoba

Union of B.C. Indian Chiefs

T.A.R.R. Centre

Example of full-format catalog records as
they are displayed to anyone searching the
INMAGIC Database for maps

TARR CENTRE OPAC display:

1. Location: MAIN Y20 .132 .L2 c.1-2
 Title: Land capability for wildlife--ungulates : Cross Lake 63 I,
 Norway House 63 H = Possibilités des terres pour la
 faune--ongulés : Cross Lake 63 I, Norway House 63 H
 Author(s): Canada. Lands Directorate. Canada Land Inventory
 Corpname(s): Canada. Lands Directorate. Canada Land Inventory
 Environment Canada
 MATH-DATA: Scale 1:250,000
 Publisher: Ottawa : Environment Canada
 Date: 1975
 Description: 1 map.
 Library has: c.1-2
 Subjects: 1. Land capabilities. 2. Wildlife management.
 3. Ungulata. 4. Land use. 5. Cross Lake (Man.).
 6. Norway House (Man.). 7. Maps. 8. Manitoba.
 9. Canada.

2. Location: MAIN Y20 .132 .L25
 Title: Land capability for forestry : Cross Lake 63 I, Norway
 House 63 H = Possibilités des terres pour la forêt : Cross
 Lake 63 I, Norway House 63 H
 Author(s): Canada. Lands Directorate. Canada Land Inventory
 Corpname(s): Canada. Lands Directorate. Canada Land Inventory
 Environment Canada
 MATH-DATA: Scale 1:250,000
 Publisher: Ottawa : Environment Canada
 Date: 1975
 Description: 1 map.
 Subjects: 1. Land capabilities. 2. Forests and forestry. 3. Cross
 Lake (Man.). 4. Norway House (Man.). 5. Maps.
 6. Manitoba. 7. Canada.

3. Location: MAIN Y20 .132 .L3
 Title: Land capability for wildlife--waterfowl : Cross Lake 63 I =
 Possibilités des terres pour la faune--sauvagine : Cross
 Lake 63 I
 Author(s): Canada. Lands Directorate. Canada Land Inventory
 Corpname(s): Canada. Lands Directorate. Canada Land Inventory
 Environment Canada
 MATH-DATA: Scale 1:250,000
 Publisher: Ottawa : Environment Canada

Example of a subject BIBLIOGRAPHY
format generated from the INMAGIC database

Bibliography

Page 1

- Assembly of First Nations. ABORIGINAL AND TREATY RIGHTS TO
EDUCATION : TOWARDS A VISION OF OUR FUTURE. Ottawa :
Education Secretariat, Assembly of First Nations, 1991.
- Barman, Jean, ed.; Hébert, Yvonne, ed.; McCaskill, Don, ed.
INDIAN EDUCATION IN CANADA : VOLUME 1 : THE LEGACY.
Vancouver : University of British Columbia Press, 1986.
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INDIAN EDUCATION IN CANADA : VOLUME 2 : THE CHALLENGE.
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Aboriginal Affairs. "YOU TOOK MY TALK": ABORIGINAL LITERACY
AND EMPOWERMENT : FOURTH REPORT OF THE STANDING COMMITTEE
ON ABORIGINAL AFFAIRS. [Ottawa] : The Committee, 1990.
- Dominion Bureau of Statistics. A GRAPHIC PRESENTATION OF
CANADIAN EDUCATION. Ottawa : Queen's Printer and Controller
of Stationery, 1961.
- Federation of Saskatchewan Indians. LOCAL CONTROL OF INDIAN
EDUCATION IN CANADA. 1975.
- Haig-Brown, Celia. RESISTANCE AND RENEWAL : SURVIVING THE INDIAN
RESIDENTIAL SCHOOL. Vancouver : Tillacum Library, 1989.
- Mackie, Campbell; Manry, Cynthia. POST-SECONDARY EDUCATION IN
NORTHERN MANITOBA : AN ENGINE FOR ECONOMIC GROWTH.
Thompson, Man. : Northern Manitoba Economic Development
Commission, 1993.

Union of B.C. Indian Chiefs
Resource Centre

Example of full-format catalog records as they
are displayed to anyone searching our
INMAGIC database

Page 1

Ap CONSOLIDATED NATIVE LAW STATUTES, REGULATIONS AND
con nat TREATIES. -- Scarborough, Ontario: Carswell, 1993.
1994
c.1 440 pages.

1. Treaties - Canada. 2. First Nations - Canada -
Law. 3. Statutes and/or regulations . 4. Royal
Proclamation of 1763. 5. Indian Act.
6. Constitution Act, 1867. 7. Constitution Act,
1982.

Includes Index; and, Table of Contents.

LOCATION: RESOURCE CENTRE

=====

Ap CONSOLIDATED NATIVE LAW STATUTES, REGULATIONS AND
con nat TREATIES. -- Scarborough, Ontario: Carswell, 1993.
1994
c.2 440 pages.

1. Treaties - Canada. 2. First Nations - Canada -
Law. 3. Statutes and/or regulations . 4. Royal
Proclamation of 1763. 5. Indian Act.
6. Constitution Act, 1867. 7. Constitution Act,
1982.

Includes Index; and, Table of Contents.

LOCATION: MILLIE POPLAR'S DESK

=====

Mbxg DELGAMUUK VS. THE QUEEN: REASONS FOR JUDGEMENT OF
DEL THE HONOURABLE CHIEF JUSTICE ALLAN MCEACHERN IN THE
QUE SUPREME COURT OF BRITISH COLUMBIA, MARCH 8, 1991.
rea jud -- Smithers, B.C.: Supreme Court of British
1991 Columbia, 1991.

394 pages.

Union of B.C. Indian Chiefs
Resource Centre

Example of brief-format catalog records as
they are displayed to anyone searching our
INMAGIC database by subject

NUXALK NATION

THE BELLA COOLA INDIANS. / McIlwraith, Thomas Forsyth.
-- Toronto: University of Toronto Press, 1948,
Reissued 1992.

Bg MCI THO bel coo 1948
V.1

THE BELLA COOLA INDIANS. / McIlwraith, Thomas Forsyth.
-- Toronto: University of Toronto Press, 1948,
Reissued 1992.

Bg MCI THO bel coo 1948
V.2

OJIBWAY SEE ANISHNABWE.

PAUL, PHILLIP

BROTHERHOOD TO NATIONHOOD: GEORGE MANUEL AND THE MAKING
OF THE MODERN INDIAN MOVEMENT. / McFarlane, Peter. --
Toronto: Between The Lines, 1993.

Ys MCF PET bro nat 1993
c.1-10

PAULL, ANDREW SEE PAULL, ANDY

PAULL, ANDY

BROTHERHOOD TO NATIONHOOD: GEORGE MANUEL AND THE MAKING
OF THE MODERN INDIAN MOVEMENT. / McFarlane, Peter. --
Toronto: Between The Lines, 1993.

Ys MCF PET bro nat 1993
c.1-10

THE FOURTH WORLD. : An Indian reality. / Manuel, George
and Michael Posluns. -- Don Mills, Ontario:
Collier-Macmillan, 1974.

INMAGIC Database Program

SAMPLE DATA STRUCTURE & REPORT FORMATS

for

Claims research tracking & management

Union of B.C. Indian Chiefs

Define Data Structure

Name of structure: UBCIC

Description line (optional): Specific Claims Research Record

Record ID field(s): REF_NO

Order key field(s): BAND REF_NO

LABEL	NAME	INDEX	SORT	EMPHASIS
NO	REF_NO	T	2	1
BD	BAND	Y	9	1
DES	DESCRIPTION	Y	9	1
BAS	BASIS	T	2	1
NEW	*	T	9	1
SUBJ	SUBJECT	Y	9	1
BCR	*	T	4	1
START	*	T	4	1
INDP	INDEPTH	T	4	1
LEG	LEGAL	T	4	1
WRI	WRITING	T	4	1
TOBD	TO_BAND	T	4	1
TOGOV	TO_GOV	T	4	1
TOADM	TO_ADMIN	T	4	1
CLAR	CLARIFICATION	T	4	1
VAL	VALIDATED	T	4	1
SETT	SETTLED	T	4	1
STAT	STATUS	T	9	1
LOG	*	Y	4	1
IR	*	Y	9	1
PSTYR	PAST_YR	Y	9	1
NXTYR	NEXT_YR	Y	9	1

Stop words: A AN AND BY FOR FROM IN OF ON THE TO WITH

Leading articles: THE A AN

NOTE:

If this data structure looks familiar, that's because it is partially based on the Research Funding Division's former "Claims Resolution Charts" !

Create/Edit Record in Database INMAGIC\RESEARCH\CLAIMS

REF_NO 071-
 BAND/1
 DESCRIPTION/1 Alienation of reserved graveyard - Lot 118.
 BASIS/1 d
 NEW/1 Yes
 SUBJECT/1 Reserved graveyard
 SUBJECT/2 Burial site
 SUBJECT/3 Reserve establishment
 SUBJECT/4 Reserve cut-off
 BCR/1 5 November 1981
 BCR/2 12 December 1992
 START/1 11/81
 INDEPTH/1 01/84
 LEGAL/1 06/87
 WRITING/1 01/93
 TO_BAND/1 09/93
 TO_GOV/1 11/93
 TO_ADMIN/1
 CLARIFICATION/1 2/94
 VALIDATED/1
 SETTLED/1
 STATUS/1 ACTIVE ;
 STATUS/2 Govt ;
 LOG/1 Jan. 93, NOTE: Claim emerged from research on 071X-5XX. DHG.
 LOG/2 23 Nov. 92, Memo from LCR re. follow-up research for graveyard claim. DHG.
 LOG/3 24 July 93, Follow-up documents gathered by CM and DH; forwarded to LCR on July 22. DHG.
 IR/1 Graveyard - Lot 118
 PAST_YR/1 Writing of claim; claim submitted to band; claim submitted to SCB.
 NEXT_YR/1 Supplementary research/legal analysis for clarification with SCB.
 \$

Define Search Prompts

Search prompt file: INMAGIC\RESEARCH\CLAIMS

Data structure: UBCIC

Display format: DISPLAY

Search prompt/1 BAND: [BD]

Search prompt/2 SUBJECT: [SUBJ,DES,IR]

Search prompt/3 DATE TO BAND/GOVT/ADMIN: [TOBD,TOGOV,TOADM]

Search prompt/4 STATUS/PRIORITY: [STAT]

Search prompt/5 LOG: [LOG]

Search prompt/6 BCR: [BCR]

DISPLAY
Report Format

Page 1.

U.B.C.I.C. SPECIFIC CLAIMS RESEARCH:
FILE SEARCH DISPLAY

Date: 02/20/94

SUBJECT SEARCH:

BAND	DESCRIPTION	REF_NO	IR: IR
------	-------------	--------	--------

Define Report Format

Name of format: INMAGIC\RESEARCH\DISPLAY

Name of data structure: UBCIC

Date created: 05/03/93 15:24:28

Date last modified: 02/20/94 11:56:59

A. PAGE DEFINITION

Physical page length (number of lines): 60

Top header margin (number of lines): 8

Bottom footer margin (number of lines): 4

Maximum page width (number of characters): 75

Number of blank lines between records: 2

Break record across pages if needed (Y/N): N

Print underline characters as spaces (Y/N): N

Pause between pages (Y/N): N

B. USER QUESTION DEFINITIONS

Type a name for the user response, followed by the question.

B/1

C. CALCULATION DEFINITIONS

Type a name for the result, followed by the calculation.

C/1

D. PAGE LAYOUT

Type specifications for the page.

D/1 '^027E', LINE 1, COLUMN 1 - 75, ONLY REPBOT

D/2 @PAGE, LINE 1, COLUMN 68 - 75, BEGIN 'Page ', END PUNCT '.'

D/3 'U.B.C.I.C. SPECIFIC CLAIMS RESEARCH: FILE SEARCH DISPLAY', LINE 2,
COLUMN 20 - 60, JUSTIFY MIDDLE

D/4 @DATE, LINE 4, COLUMN 6 - 26, BEGIN 'Date: '

D/5 'SUBJECT SEARCH: ', LINE 6, COLUMN 20 - 60

D/6 ' _____ ', LINE 7, COLUMN 5 - 75

D/7 ' _____ ', LINE 7, COLUMN 40 - 75

E. RECORD LAYOUT

Type specifications for each record.

E/1 BAND, LINE 1, COLUMN 10 - 30

E/2 REF_NO, LINE 1, COLUMN 35 - 45

E/3 IR, LINE 1, COLUMN 50 - 75, BEGIN 'IR: '

E/4 DESCRIPTION, LINE + 1, COLUMN 15 - 75

U.B.C.I.C. SPECIFIC CLAIMS RESEARCH:
FILE SEARCH DISPLAY

Date: 02/20/94

SUBJECT SEARCH: Roads, ACTIVE

██████████ 070/-████ IR: 3, 3A
Alienation of road R/Ws, IRs 3 and 3A

██████████ 070/-████ IR: 1, 2, █████
Alienation of road R/Ws, IRs 1-2, █████

██████████ 071/-████ IR: 1
Alienation of road R/Ws, IR 1

██████████ 068/-████ IR: All
Alienation of road R/Ws, all IRs

██████████ 059/-████ IR: 1
Alienation of road R/Ws, IR 1

██████████ 061/-████ IR: 1
Cut-off of road and telegraph R/W, IR 1

██████████ 055/-████ IR: 5, █████
Alienation of road R/W, IR 5 █████

██████████ 059/-████ IR: All
Alienation of road R/Ws, all IRs

██████████ 068/-████ IR: 1
Improper taking of road R/W, IR 1

██████████ 059/-████ IR: All
Alienation of road R/Ws, all IRs

UNION OF B.C. INDIAN CHIEFS

CLAIMS RESEARCH: WORK SUMMARY

Date: 02/20/94

BAND	REF_NO	IR: IR
DESCRIPTION		
BCR: BCR	NEW?: NEW	
RESEARCH BEGUN: START	INDEPTH RESEARCH BEGUN: INDEPTH	
SUBMITTED TO BAND: TO_BAND	SUBMITTED TO GOVT: TO_GOVT	
PRIORITY/STATUS: STATUS		

* * * RESEARCH WORK LOG * * *

LOG

* * *

Define Report Format

Name of format: INMAGIC\RESEARCH\WORKSUM
Name of data structure: INMAGIC\RESEARCH\UBCIC
Date created: 08/13/93 09:54:40
Date last modified: 02/20/94 11:52:40

A. PAGE DEFINITION

Physical page length (number of lines): 60
Top header margin (number of lines): 8
Bottom footer margin (number of lines): 6
Maximum page width (number of characters): 75
Number of blank lines between records: 2
Break record across pages if needed (Y/N): N
Print underline characters as spaces (Y/N): N
Pause between pages (Y/N): N

B. USER QUESTION DEFINITIONS

Type a name for the user response, followed by the question.
B/1

C. CALCULATION DEFINITIONS

Type a name for the result, followed by the calculation.
C/1

D. PAGE LAYOUT

Type specifications for the page.

D/1 '^027E', LINE 1, COLUMN 1 - 75, ONLY REPBOT
D/2 'UNION OF B.C. INDIAN CHIEFS', LINE 2, COLUMN 20 - 60, JUSTIFY MIDDLE
D/3 'CLAIMS RESEARCH: WORK SUMMARY', LINE 4, COLUMN 20 - 60, JUSTIFY MIDDLE
D/4 @DATE, LINE 6, COLUMN 6 - 26, BEGIN 'Date: '
D/5 '_____', LINE 7, COLUMN 5 - 75
D/6 '_____', LINE 7, COLUMN 40 - 75

E. RECORD LAYOUT

Type specifications for each record.

E/1 BAND, LINE 2, COLUMN 10 - 30
E/2 REF_NO, LINE 2, COLUMN 35 - 45
E/3 IR, LINE 2, COLUMN 50 - 75, BEGIN 'IR: '
E/4 DESCRIPTION, LINE 4, COLUMN 20 - 75, INDENT -5
E/5 BCR, LINE 7, COLUMN 10 - 25, BEGIN 'BCR: '
E/6 NEW, LINE 7, COLUMN 50 - 75, BEGIN 'NEW?: '
E/7 START, LINE 9, COLUMN 10 - 40, BEGIN 'RESEARCH BEGUN: '
E/8 INDEPTH, LINE 9, COLUMN 45 - 75, BEGIN 'INDEPTH RESEARCH BEGUN: '
E/9 TO_BAND, LINE 11, COLUMN 10 - 35, BEGIN 'SUBMITTED TO BAND: '
E/10 TO_GOV, LINE 11, COLUMN 45 - 75, BEGIN 'SUBMITTED TO GOVT: '
E/11 STATUS, LINE 12, COLUMN 10 - 75, BEGIN 'PROPERTY STATUS: '

UNION OF B.C. INDIAN CHIEFS

CLAIMS RESEARCH: WORK SUMMARY

Date: 02/20/94

~~071X-5XX~~ 071X-5XX

IR: Graveyard - Lot 118

Alienation of reserved graveyard - Lot 118.

BCR: 5 November 1981
12 December 1992

NEW?: Yes

RESEARCH BEGUN: 11/81

INDEPTH RESEARCH BEGUN: 01/84

SUBMITTED TO BAND: 09/93

SUBMITTED TO GOVT: 11/93

PRIORITY/STATUS: ACTIVE ; Govt ;

* * * RESEARCH WORK LOG * * *

Jan. 93, NOTE: Claim emerged from research on 071X-5XX. DHG.

23 Nov. 92, Memo from LCR re. follow-up research for graveyard claim. DHG.

24 July 93, Follow-up documents gathered by CM and DH; forwarded to LCR on July 22. DHG.

* * *

UNION OF B.C. INDIAN CHIEFS
CLAIMS RESEARCH: WORK SUMMARY

Date: 02/20/94

~~0719-1111~~ 0719-1111

IR: All

Alienation of road R/Ws, all IRs

BCR: 13 July 1992

RESEARCH BEGUN: 11/92

INDEPTH RESEARCH BEGUN: 07/93

PRIORITY/STATUS: INACTIVE ; ACTIVE ;

* * * RESEARCH WORK LOG * * *

Sept. 93, RESEARCH REPORT SUBMITTED. LO.

Sept. 93, All documents forwarded to Band's lawyer at request of
Band. Research suspended. To be deleted from 94-95
workplan. DHG.

* * *

NEXT YEAR
Report Format₁

UNION OF B.C. INDIAN CHIEFS

Ref. No. _____	Band _____	Work to be carried out _____
-------------------	---------------	---------------------------------

REF_NO	BAND	NEXT_YR
--------	------	---------

Note: for use with

Define Report Format

Name of format: INMAGIC\RESEARCH\NEXTYEAR
Name of data structure: INMAGIC\RESEARCH\UBCIC
Date created: 01/11/94 23:36:15
Date last modified: 02/20/94 12:05:26

A. PAGE DEFINITION

Physical page length (number of lines): 60
Top header margin (number of lines): 8
Bottom footer margin (number of lines): 4
Maximum page width (number of characters): 75
Number of blank lines between records: 1
Break record across pages if needed (Y/N): N
Print underline characters as spaces (Y/N): N
Pause between pages (Y/N): N

B. USER QUESTION DEFINITIONS

Type a name for the user response, followed by the question.
B/1

C. CALCULATION DEFINITIONS

Type a name for the result, followed by the calculation.
C/1

D. PAGE LAYOUT

Type specifications for the page.

D/1 '^027E', LINE 1, COLUMN 1 - 75, ONLY REPBOT
D/2 @PAGE, LINE 1, COLUMN 70 - 75
D/3 'UNION OF B.C. INDIAN CHIEFS', LINE 3, COLUMN 20 - 55
D/4 'Ref. No.', LINE 5, COLUMN 6 - 15
D/5 'Band', LINE 5, COLUMN 20 - 35
D/6 'Work to be carried out', LINE 5, COLUMN 40 - 75
D/7 '_____', LINE 6, COLUMN 6 - 15
D/8 '_____', LINE 6, COLUMN 20 - 35
D/9 '_____', LINE 6, COLUMN 40 - 75

E. RECORD LAYOUT

Type specifications for each record.

E/1 REF_NO, LINE 1, COLUMN 6 - 15
E/2 BAND, LINE 1, COLUMN 20 - 35
E/3 NEXT_YR, LINE 1, COLUMN 40 - 75

UNION OF B.C. INDIAN CHIEFS

Ref. No.	Band	Work to be carried out
070 - [REDACTED]	[REDACTED]	Pending direction, writing of claim and submission to band.
070 - [REDACTED]	[REDACTED]	In-depth research, legal analysis & writing of claim.
071 - [REDACTED]	[REDACTED]	(ALIENATION OF ROAD R/Ws, IR 1) In-depth research, legal analysis.
068 - [REDACTED]	[REDACTED]	In-depth research, legal analysis & writing of claim.
059 - [REDACTED]	[REDACTED]	Pending direction, revisions to claim and submission of claim to SCB.
061 - [REDACTED]	[REDACTED]	Pending direction, revisions to claim & submission of claim to SCB.
055 - [REDACTED]	[REDACTED]	Pending direction, submission of claim to SCB.
059 - [REDACTED]	[REDACTED]	Pending direction, revisions to claim & submission to SCB.
068 - [REDACTED]	[REDACTED]	Writing of claim; submission of claim to band and SCB.
069 - [REDACTED]	[REDACTED]	Writing of claim; submission of claim to band.
053 - [REDACTED]	[REDACTED]	In-depth research, legal analysis & writing of claim.
068 - [REDACTED]	[REDACTED]	In-depth research, legal analysis & writing of claim.
065 - [REDACTED]	[REDACTED]	In-depth research, legal analysis & writing of claim.