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1985



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
ARIZONA STATE OFFICE
3707 N. 7th Street
Phoenix, Arizona 85014

March 14, 1985

Memorandum

ARIZONA

To: Service Center Director (D-150)

From: Deputy State Director, Division of Operations, Arizona **ALMRS**

Subject: **ALMRS Equipment Analysis, DSC IM 85-87**
EQUIPMENT ANALYSIS/PROCUREMENT PLAN

The subject analysis is enclosed.

Per Assumption 7 of those provided to us for this effort, the enclosed document is "a very elementary workload analysis". Other commitments, notably implementation of ORCA, and status contract negotiation have not permitted us to spend the necessary time in equipment analysis.

FEBRUARY, 1985

Some of the acknowledged deficiencies in the document are incomplete or inconsistent narrative descriptions. The substantive information, however, to judge the number and timing of equipment placement has been provided. For FY 85 our equipment needs are minimal - 6 terminals and 7 printers, assuming software is developed to incorporate the Mining Claims data base into Case Recordation. If the programs are not developed, our equipment needs would be 2 terminals and 6 printers.

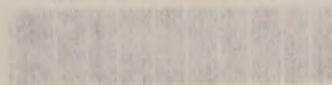
1 Enclosure:

Encl. 1 - Equipment Analysis

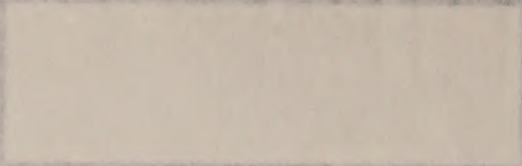
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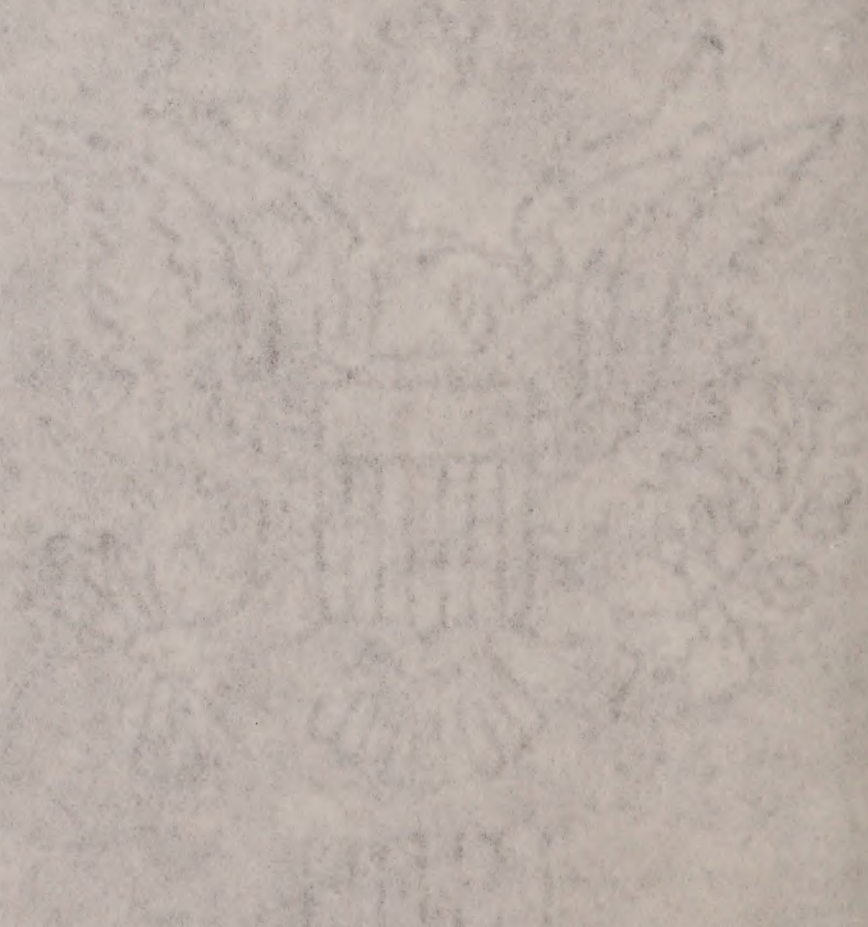


ARIZONA

ALMRS

EQUIPMENT ANALYSIS/PROCUREMENT PLAN

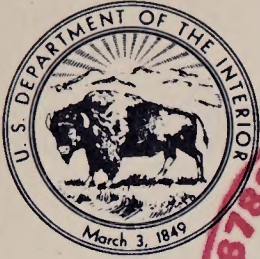
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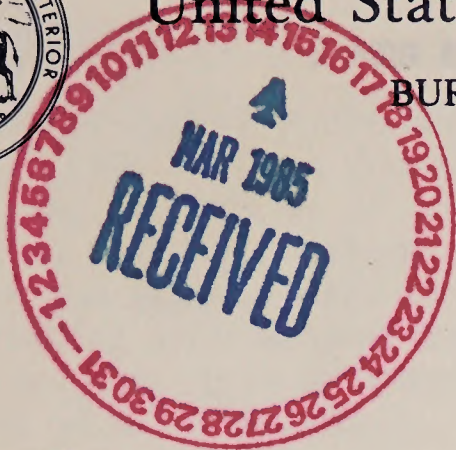
EP: 88012877

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Phoenix, Arizona 85014

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United States Department of the Interior

LAND MANAGEMENT
NATIONAL STATE OFFICE
1000 19th Street
Washington, D.C.



To: Deputy State Director, Division of Geology, Alaska
From: [Illegible]
Subject: [Illegible]

The subject is [illegible].
The [illegible] of [illegible] is [illegible].
[Illegible] of [illegible] is [illegible].

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BIM Laboratory
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P. O. Box 23000
Denver, CO 80222-0007

INTRODUCTION

ALMRS EQUIPMENT ANALYSIS/PROCUREMENT PLAN

ARIZONA

The Automated Land and Mineral Record System (ALMRS) has evolved since April, 1982, when a decision was made to automate information from oil and gas case records as an aid to managing the workload involved in reducing the pending backlog of these cases. Today's ALMRS mission is to develop and implement an efficient automated system for recording, maintaining, and retrieving information concerning land description, ownership, status, and title information in support of Federal programs and public users of such records.

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ALMRS will allow BLM to quickly validate legal land descriptions in cases, summarize case acres, adjust total acres in cases as lands are added or deleted, and streamline steps in the adjudication process. It will produce more comprehensive output reports eliminating labor intensive and often redundant manual steps. Status data will be more consistent. Errors in records can be easily corrected and accuracy of data will increase, especially for statistical reports.

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RECEIVED
DISTRICT OFFICE OF
YUMA
1 - 01 Box 1000
Yuma, AZ 85406-1000

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ALMRS is incrementally being developed to logically progress from a manual records system to a fully automated system. It will incorporate three components: legal land description, ownership/status data, and case management/processing. The system will also eventually be integrated with a geographic information system (GIS), being developed separately in DSC, to allow a graphic display of the components listed above. The legal land description component will describe parcels of land via any recognized method such as the Public Land Survey system, metes and bounds, parcel numbering, and tracting. The ownership and status component will describe both the rights to use and enjoy property (including the right to transfer to others) and the availability of a given tract of land for governmental or private use (or for the disposal or lease of the land or its resources into non-Federal ownership or tenure). The management/processing component will allow for the input, manipulation, retrieval, and reformatting of data in the system to meet management purposes such as reports, records, billings, etc.

In its present configuration ALMRS is simply a case recordation system that has been operational since June of 1982. It presently accommodates only 38 of the 102 data elements to be covered by ALMRS. Operating limitations are apparent and temporary solutions for accommodating ALMRS data are required.

In the years to come the manual records such as the Historical Index, Serial Register Pages, and some updates to the Master Title Plats will be eliminated in favor of electronic information displayed on CRTs (cathode ray tubes). Legal descriptions of the approximately 3400 townships in Arizona will be available, as well as status data. Data from case recordation (oil/gas and other active cases) and mining claim recordation will be available also. Stipulations applicable to various case types and lands will be available for case processing, adjudication, and management decisions.

ALMRS will allow BLM to quickly validate legal land descriptions in cases, summarize case acres, adjust total acres in cases as lands are added or deleted, and streamline steps in the adjudication process. It will produce more comprehensive output reports eliminating labor intensive and often redundant manual steps. Status data will be more consistent. Errors in records can be easily corrected and accuracy of data will increase, especially for statistical reports.

The Automated Land and Mineral Record System (AIMRS) has evolved since April, 1982, when a decision was made to automate information from oil and gas case records as an aid to managing the workload involved in reducing the pending backlog of these cases. Today's AIMRS mission is to develop and implement an efficient automated system for recording, maintaining, and retrieving information concerning: legal land description, ownership, status, and title information in support of Federal programs and public users of such records.

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As equipment is in place, land status records will be current and can be quickly and easily updated at any Bureau office that has the authority to take an action that affects land and case status. The public is being encouraged to go to the District and Resource Area managers for action on their needs. ALMRS will provide the field manager with a modernized records system and status information to facilitate use of the realty authorities already delegated to the field offices.

ALMRS status outputs will be more understandable to the public, BLM, and other users. A narrative description of status information that can be printed by section, township, and range will facilitate land record use and understanding by all users. ALMRS will add a new dimension to the public land records because it can aggregate and manipulate land status data. Knowledge of title ownership or use can be obtained from BLM in a more timely and consistently accurate manner. Benefits to commercial and industrial users, individuals, and other Government users, who will have the capability to retrieve data selectively by area, case type, and action criteria, will be significant. Faster access will benefit Bureau and non-Bureau users of BLM records.

Eventually ALMRS will provide an interface with, and automated transfer of, data to the Simultaneous Oil and Gas program and to the Financial Management System. It will promote coordination and exchange of data among Minerals Management Service (AFS/PAAS, BRASS systems), USGS, Forest Service, Arizona State Land Department and other governmental entities who rely on BLM for land status statistics.

ANALYSIS ASSUMPTIONS

1. The plan addresses equipment needs for FY 85 through FY 87 based on the following priorities:
 - Priority 1 procurement consists of all CRTs and printers needed to provide a minimum operation in the State, District Offices, and Resource Areas to allow collection of the remaining case data, and to begin the capturing of survey (legal land description) data and/or status data. It represents a minimal equipment and staffing configuration. Because ALMRS is still in the design phase, Priority 1 procurement represents the minimum interim solution until full design is completed.
 - Priority 2 procurement increases the minerals and mining systems staffs' capability to track and query the data base for SO and public room users. Adequate equipment will also be available for SO staff to enter survey data and status data in ALMRS that will be collected at this time.

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10. Priority 3 procurement provides for full implementation of tracking and querying systems at all levels of the State and completes the extent of
11. this analysis based on ALMRS development specifications and the assumptions of this analysis. The integration of survey and status data
12. into the final ALMRS system may present some unforeseeable problems requiring additional or different equipment, but these kinds of needs cannot be foreseen at this time, as explained in our assumptions.

If it is assumed ALMRS will be implemented in Arizona in FY 87, then Priorities 1, 2, and 3 correspond to Fiscal Years 85, 86, and 87, respectively.

2. This analysis assumes that ALMRS will have sufficient telecommunications and computer processing support.
3. The plan addresses needs based on optimum configuration for implementation excluding GIS, because GIS technology has not fully been defined.
4. Optimum configuration means every office (SO Division, SO Branch, DO, RA, etc.) should have access to ALMRS data and be able to print out information in a convenient location based on user needs. This also includes adequate public use. Consider volume, location, and shared terminal vs. constant access.
5. Implementation will be essentially completed within this five-year period and involves all legal land description or survey work being done in-house and all status work being completed either by contract or in-house at the State's option. ALMRS will fund the collection of survey (legal land description) and status input.
6. Future interagency needs are not represented in this analysis and will be addressed by other means.
7. A very elementary workload analysis is needed at the time to assess the ALMRS workload and thus the necessary equipment (Priority 1) for FY 85. For example, a workload of inputting survey information for 2100 townships requires approximately 8400 hours or 4.1 employees per year. Equipment necessary for four employees would include three terminals, a planometer, work space, office equipment, storage area for plats, hanging rack for printouts, etc.
8. ALMRS implementation will retire the following: all Serial Register Pages, the Historical Index, and Mining Claim Microfiche. The Microfiche will be available in an improved version if it is not possible to eliminate them entirely by the use of ALMRS.
9. For this analysis, do not consider the use of OMRON or RAMTEK terminals or microcomputers.

Priority 3 procurement provides for full implementation of tracking and querying systems at all levels of the state and completes the extent of this analysis based on AIRS development specifications and the assumptions of this analysis. The integration of survey and status data into the final AIRS system may present some unforeseeable problems requiring additional or different equipment, but these kinds of needs cannot be foreseen at this time, as explained in our assumptions.

If it is assumed AIRS will be implemented in Arizona in FY 87, then Priorities 1, 2, and 3 correspond to Fiscal Years 85, 86, and 87, respectively.

2. This analysis assumes that AIRS will have sufficient telecommunications and computer processing support.
3. The plan addresses needs based on optimum configuration for all levels of implementation excluding GIS, because GIS technology has not fully been defined.
4. Optimum configuration means every office (20 Division, 20 Branch, DO, RA, etc.) should have access to AIRS data and be able to print out information in a convenient location based on user needs. This also includes adequate public use. Consider volume, location, and shared terminal vs. constant access.
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9. For this analysis, do not consider the use of OMRON or RAMTEK terminals or microcomputers.

- 10. ALMRS will only pay for first-year maintenance of terminals.
- 11. It is assumed that DSC will develop or purchase needed software for ALMRS graphics.
- 12. Because of the remote location of field offices (i.e. outside of Phoenix metropolitan area) and therefore the built-in problem in providing expeditious computer hardware maintenance or repair, backup CRTs and printers are identified for installation in the event equipment problems develop.

Information Services has oversight responsibility for management and utilization of computer equipment in the state. To this end, Information Services will monitor use of ALMRS equipment statewide to determine extent of use for ALMRS as well as other ADP applications. The ALMRS Project Leader, in consultation with the Chief, Information Services, will determine additional equipment needs as well as re-distribution of existing equipment. When the latter is done, all other existing and future applications besides ALMRS will be considered with an objective to meet all user needs on the most cost-effective basis possible.

Arizona will maintain a consistent approach to computer procurement, i.e. focus on a single or compatible vendor when possible. This approach will facilitate user training, promote user efficiency of equipment, allow for more cost-effective maintenance, and facilitate overall hardware/software configuration and planning.

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The analysis shows that AIRS will have sufficient telecommunications capacity to support the system.

The analysis also shows that the system will require a minimum of 100 terminals. This number is based on the assumption that each terminal will be used by one person.

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EQUIPMENT UTILIZATION AND MANAGEMENT POLICY

AREA-BY-AREA ANALYSIS

Utilization:

Computer equipment purchased with ALMRS funds or dedicated to ALMRS will be used on a priority basis for ALMRS. In keeping with State policy, this equipment is also available to all other users (non-ALMRS), but again secondary to ALMRS users.

Management:

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USERS: Title, utility, oil/gas, and mining companies
Federal, state, and local governments
Surveyors, prospectors and private landowners
Other individuals, usually for title research
State and District Office personnel

YEARS/LOAD: There is a heavy public demand for oil/gas and mining claim information. Approximately 26,000 over-the-counter queries are made per year. That means about 100 queries are made daily. This does not include those public queries that never go to the public room counter because a knowledgeable public user found his/her answer using data available in the Public Room.

Six (6) hours per day per terminal.

EXISTING EQUIPMENT: 4 CRTs, 2 Printers

ADDITIONAL EQUIPMENT WND: 8 CRTs, 1 High-Speed Printer

Priority 1 - 1 Printer for behind the counter use by staff

Priority 2 - 1 High-Speed Printer

Priority 3 - 8 CRTs, 8 Printers (Equipment will be shifted from the ALMRS Project Staff and Indian Project Office to the Public Room at time of implementation.)

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ASO

PUBLIC ROOM

NEED: This unit enters new claims and amendments; updates existing claims
NEED: The State Office Public Room currently provides most of the public land information for the state. This visibility with the public directly affects the BLM public image in Arizona and will be the initial focus for public acceptance of ALMRS in Arizona. Public Room staff provide public assistance and education in use of the manual records. They must have access to serial register information, title records, current land status, and be able to query the system for any of 11 states included in ALMRS. The public will also have access to survey information: mineral surveys; Homestead Entry surveys; and state boundary surveys.

The ORCA software for Case Recordation is now operational in the Public Room, increasing public use of the system and elimination of Serial Register Pages will necessitate installation of a high speed printer in FY 86.

USERS: 2 Land Law Examiners
The Public Room is also responsible for receipt of applications at the State Office and initial data input into the Case Recordation System. Until serial numbers are automatically assigned, this office is also responsible for assignment and control of serial numbers statewide.

USERS: Title, utility, oil/gas, and mining companies
Federal, state, and local governments
Surveyors, prospectors and private landowners
Other individuals, usually for title research
State and District Office personnel

VOLUME/USAGE: There is a heavy public demand for oil/gas and mining claim information. Approximately 26,000 over-the-counter queries are made per year. That means about 100 queries are made daily. This does not include those public queries that never go to the public room counter because a knowledgeable public user found his/her answer using data available in the Public Room.

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AREA-BY-AREA ANALYSIS

ASO

MINING CLAIMS

NEED: This unit enters new claims and amendments; updates existing claims (transfers and changes of addresses); enters assessment work; generates reports by location, claimant, serial number and claim name; responds to public and agency queries; and will coordinate the transition of the mining claims programs into ALMRS. Mining claim data will be merged with the Case Recordation system, utilizing ORCA software in FY 85.

VOLUME/USAGE: This unit also enters interim actions and pending actions on mineral patent applications, contests, bonds, stipulations, public Law 359, and petitions for deferment of annual assessment work. It also performs land status checks and researches mining claims, asks for and prepares reports for other agencies, prepares quarterly progress reports on mining claims, identifies land management conflicts, and answers queries from other agencies and the public.

USERS: 2 Land Law Examiners
2 File Clerks
1 Supervisor, Mining Claims
2 Conveyance Examiners

VOLUME/USAGE: The 4 CRTs proposed for this office would be needed for: initial entry of 22,000 new claims annually, 187,000 affidavits (annual claim updates for ALMRS), 46,000 cases closed and archived, and 50 pending mineral patents and multiple-use conflict cases requiring periodic updating.

EXISTING EQUIPMENT: 4 OMRON CRTs

ADDITIONAL EQUIPMENT NEED: 4 CRTs, 1 Printer

Priority 1 - 4 CRTs, 1 Printer - contingent upon incorporation of mining claim data base into the ORCA Case Recordation Software System

Priority 2 - None

Priority 3 - None

MINING CLAIMS

NEED: This unit enters new claims and amendments; updates existing claims (transfers and changes of addresses); enters assessment work; generates reports by location, claimant, serial number and claim name; responds to public and agency queries; and will coordinate the transition of the mining claims programs into AIMS. Mining claim data will be merged with the Case Recordation System, utilizing ORCA software in FY 85.

This unit also enters interim actions and pending actions on mineral patent applications, contests, bonds, stipulations, public law 359, and petitions for deferment of annual assessment work. It also performs land status checks and researches mining claims, asks for and prepares reports for other agencies, prepares quarterly progress reports on mining claims, identifies land management conflicts, and answers queries from other agencies and the public.

USERS: 2 Land Law Examiners
2 File Clerks
1 Supervisor, Mining Claims
2 Conveyance Examiners

VOLUME/USAGE: The 4 CRTs proposed for this office would be needed for: initial entry of 22,000 new claims annually, 187,000 affidavits (annual claim updates for AIMS), 46,000 cases closed and archived, and 50 pending mineral patents and multiple-use conflict cases requiring periodic updating.

EXISTING EQUIPMENT: 4 OMRON CRTs

ADDITIONAL EQUIPMENT NEEDED: 4 CRTs, 1 Printer

Priority 1 - 4 CRTs, 1 Printer - contingent upon incorporation of mining claim data base into the ORCA Case Recordation Software System

Priority 2 - None
Priority 3 - None

Priority 1 - 1 Printer and related hardware
Priority 2 - 1 High-Speed Printer
Priority 3 - 2 CRTs, 2 Printers
Also project staff and other project Office to the Public Room at the (Legislative)

AREA-BY-AREA ANALYSIS

AREA-BY-AREA ANALYSIS

ASO

APPRAISALS

NEED: This unit updates appraisal information on exchanges, sales, rights-of-way, and leases. It reviews caseload for scheduling appraisals, reviews the most recent rate changes and appraisal values via ALMRS reports.

USERS: 2 Appraisers
1 Legal Clerk

VOLUME/USAGE: Estimated use will be 1 to 2 hours per day for the 1 CRT.

EXISTING EQUIPMENT: None - existing equipment (non-ALMRS) will meet existing and future needs.

ADDITIONAL EQUIPMENT NEEDED: - existing equipment (non-ALMRS) meets current needs and will be used in conjunction with ALMRS equipment in the future.

Priority 1 - None

Priority 2 - None

Priority 3 - None

Priority 1 - None

Priority 2 - 1 CRT, 1 Printer for GADB capture

Priority 3 - None

AREA-BY-AREA ANALYSIS

ASO

APPRAISALS

NEED: This unit updates appraisal information on exchanges, sales, rights-of-way, and leases. It reviews caseload for scheduling appraisals, reviews the most recent rate changes and appraisal values via AIRS reports.

USERS: 2 Appraisers
1 Legal Clerk

VOLUME/USAGE: Estimated use will be 1 to 2 hours per day for the 1 CRT.

EXISTING EQUIPMENT: None - existing equipment (non-AIRS) will meet existing and future needs.

ADDITIONAL EQUIPMENT NEEDED:

- Priority 1 - None
- Priority 2 - None
- Priority 3 - None

AREA-BY-AREA ANALYSIS

ASO

BRANCH OF CADASTRAL SURVEY

NEED: This is the office responsible for capturing geographic coordinate data for ALMRS graphic development. Cadastral will also be responsible for updating of ALMRS in accordance with new surveys, as the surveys are completed.

USERS: 2 Document Examiners
8 Land Surveyors
1 Legal Clerk

VOLUME/USAGE: Estimated CRT usage (2 CRTs) at 6 to 7 hours per day during the data capture period of GCDB, and 2-3 hours thereafter.

EXISTING EQUIPMENT: None - existing equipment (non-ALMRS) meets current needs and will be used in conjunction with ALMRS equipment in the future.

ADDITIONAL EQUIPMENT NEED: 1 CRT, 1 Printer

Priority 1 - None

Priority 2 - 1 CRT, 1 Printer for GCDB capture

Priority 3 - None

AREA-BY-AREA ANALYSIS

ASO

BRANCH OF CADASTRAL SURVEY

NEEDS: This is the office responsible for capturing geographic coordinate data for ALMRS graphic development. Cadastal will also be responsible for updating of ALMRS in accordance with new surveys, as the surveys are completed.

USERS: 2 Document Examiners
8 Land Surveyors
1 Legal Clerk

VOLUME/USAGE: Estimated CRT usage (2 CRTs) at 6 to 7 hours per day during the data capture period of GDB, and 2-3 hours thereafter.

EXISTING EQUIPMENT: None - existing equipment (non-ALMRS) meets current needs and will be used in conjunction with ALMRS equipment in the future.

ADDITIONAL EQUIPMENT NEEDED: 1 CRT, 1 Printer

Priority 1 - None
Priority 2 - 1 CRT, 1 Printer for GDB capture
Priority 3 - None

AREA-BY-AREA ANALYSIS

ASO

BRANCH OF ENGINEERING SERVICES WITHDRAWAL REVIEW SECTIONS

NEED: The cartographic unit of this branch will use computer equipment for continuous updating and revision of maps. They will use new cadastral survey information, current land status, information on mineral surveys, Homestead Entry surveys, and boundaries including State, Forest Service, Indian, Atomic Energy Commission, etc.

Establish serial pages; Update serial pages; Track case processing; Engineering will input transportation system information and will need access for review and revision. //land use/transfer; Applicant

USERS: 5 Cartographic Technicians
2 Civil Engineers

inquiries; Case file disposal/location (FRC, Archives); Recordation System (constant access); Monthly reports; Current reports re pending, authorized cases; Statistical data for yearly reports; Aging reports; Input

VOLUME/USAGE: Equipment would be used 6-8 hours per day.

withdrawals, classifications; Input existing 30-processed applications re title

EXISTING EQUIPMENT: None - existing non-ALMRS equipment meets current needs.

ADDITIONAL EQUIPMENT NEED: Equipment in Cadastral Survey will be shared with Branch of Engineering. The unknowns related to ALMRS graphics may significantly affect this unit's equipment needs. Until ALMRS graphics is further defined, equipment need in this office cannot be determined.

Users:
3 Land Law Examiners
3 Legal Clerks
1 File Clerk Typist
1 Quality Control

WORK/LOAD: Current: Approximately 5-6 hours per day per CRT/Printer. This

Priority 1 - None increase 1-2 hours per day when survey and status data
Priority 2 - None are available.
Priority 3 - None

EXISTING EQUIPMENT: 3 CRTs for all users
1 CRT for Quality Control Functions of Case Recordation
2 Printers

ADDITIONAL EQUIPMENT NEED:

Priority 1 - None
Priority 2 - None
Priority 3 - 7 CRTs, 3 Printers

AREA-BY-AREA ANALYSIS

AREA-BY-AREA ANALYSIS

ASO

BRANCH OF ENGINEERING SERVICES

NEED:

The cartographic unit of this branch will use computer equipment for continuous updating and revision of maps. They will use new cadastral survey information, current land status, information on mineral surveys, Homestead Entry surveys, and boundaries including State, Forest Service, Indian, Atomic Energy Commission, etc.

Engineering will input transportation system information and will need access for review and revision.

USERS:

5 Cartographic Technicians
2 Civil Engineers

Equipment would be used 6-8 hours per day.

VOLUME/USAGE:

Equipment would be used 6-8 hours per day.

EXISTING EQUIPMENT:

None - existing non-AIMRS equipment meets current needs.

ADDITIONAL EQUIPMENT NEEDED:

Equipment in Cadastral Survey will be shared with Branch of Engineering. The unknowns related to AIMRS graphics may significantly affect this unit's equipment needs. Until AIMRS graphics is further defined, equipment need in this office cannot be determined.

- Priority 1 - None
- Priority 2 - None
- Priority 3 - None

AREA-BY-AREA ANALYSIS

ASO

LAND RECORDS, MINERAL LEASING, WITHDRAWAL REVIEW SECTIONS

NEED: In connection with adjudication and support functions re exchanges, lieu selections, title resolution, withdrawals, revocations, withdrawal review project, patent issuance, oil and gas and other mineral leasing, the following tasks are performed:

Establish serial pages; Update serial pages; Track case processing; Track case location application status; Suspense call-up system; Mining claim information (conflicts w/land use/transer); Applicant inquiries; Case file disposal/location (FRC, Archives); Quality Control for the Case Recordation System (constant access); Daily, weekly, monthly reports; Current reports re pending, authorized cases; Statistical data for yearly reports; Aging reports; Input existing withdrawal review cases; Input existing withdrawals, classifications; Input existing SO-processed applications re title resolution, cultural resource permits, mining claim contests, lands contests, etc.

USERS: 5 Land Law Examiners
5 Legal Clerks
1 File Clerk Typist
1 Quality Control Inspector

VOLUME/USAGE: Current: Approximately 5-6 hours per day per CRT/Printer. This use may increase 1-2 hours per day when survey and status data files are available.

EXISTING EQUIPMENT: 3 CRTs for all users
1 CRT for Quality Control Functions of Case Recordation
2 Printers

ADDITIONAL EQUIPMENT NEED:

Priority 1 - None
Priority 2 - None
Priority 3 - 7 CRTs, 3 Printers

LAND RECORDS, MINERAL LEASING, WITHDRAWAL REVIEW SECTIONS

NEEDS: In connection with adjudication and support functions re exchanges, lien selections, title resolution, withdrawals, revocations, withdrawal review project, patent issuance, oil and gas and other mineral leasing, the following tasks are performed:

Establish serial pages; Update serial pages; Track case processing; Track case location application status; Suspend call-up system; Mining claim information (conflicts/land use/transfer); Applicant inquiries; Case file disposal/location (FRC, Archives); Quality Control for the Case Recordation System (constant access); Daily, weekly, monthly reports; Current reports re pending, authorized cases; Statistical data for yearly reports; Aging reports; Input existing withdrawal review cases; Input existing withdrawals, classifications; Input existing 20-processed applications re title resolution, cultural resource permits, mining claim contests, lands contests, etc.

USERS: 5 Land Law Examiners
 5 Legal Clerks
 1 File Clerk Typist
 1 Quality Control Inspector

VOLUME/USAGE: Current: Approximately 5-6 hours per day per CRT/Printer. This use may increase 1-2 hours per day when survey and status data files are available.

EXISTING EQUIPMENT: 3 CRTs for all users
 1 CRT for Quality Control Functions of Case Recordation
 2 Printers

ADDITIONAL EQUIPMENT NEEDED:

- Priority 1 - None
- Priority 2 - None
- Priority 3 - 7 CRTs, 3 Printers

AREA-BY-AREA ANALYSIS

ASO

ALMRS PROJECT STAFF

NEED: Staff is responsible for building accurate status and survey data files; correction of matched files - status, survey, Master Name, Bond File, etc.

USERS: Project Staff - 8 employees

VOLUME/USAGE: 7-8 hours per day.

EXISTING EQUIPMENT: 4 CRTs, 2 Printers

ADDITIONAL EQUIPMENT NEED:

Priority 1 - None

Priority 2 - 2 CRTs, 2 Printers - begin correction of all matched files prior to implementation in FY 87

Priority 3 - None

Once ALMRS is implemented, this equipment will be relocated to the ASO Public Room.

AREA-BY-AREA ANALYSIS

ASO

ALRS PROJECT STAFF

NEEDS: Staff is responsible for building accurate status and survey data files; correction of matched files - status, survey, Master Name, Bond file, etc.

USERS: Project Staff - 8 employees

VOLUME/USAGE: 7-8 hours per day.

EXISTING EQUIPMENT: 4 CRTs, 2 Printers

ADDITIONAL EQUIPMENT NEEDED:

Priority 1 - None
Priority 2 - 2 CRTs, 2 Printers - begin correction of all matched files prior to implementation in FY 87

Priority 3 - None

Once ALRS is implemented, this equipment will be relocated to the ASO Building Room.

AREA-BY-AREA ANALYSIS

ASO

ARIZONA STRIP DISTRICT OFFICE
DIVISION OF RENEWABLE RESOURCES AND MINERAL RESOURCES

NEED: Monitors specific ALMRS case types such as trespass, pending and authorized lands cases, etc. The unit has the potential for monitoring other natural resource management claims on public lands such as grazing leases/privileges; protected areas such as wilderness, ACEC, and natural areas; withdrawal reviews; managing cultural sites and encroachments; rights-of-way; activities/claims in key wildlife areas; timber sales/management; activities/claims affecting environmental concerns (air, water, soil, etc.); stipulations, bond and surety files, BRASS, PAAS, AFS, solid leaseable mineral system.

USERS: Geologists, Petroleum Engineers, and Natural Resource Specialists and their managers.

VOLUME/USAGE: This equipment will be shared with Appraisal Staff; total usage amounting to approximately 3-4 hours per day.

EXISTING EQUIPMENT: None - existing terminal equipment (non-ALMRS) will meet existing and future needs.

ADDITIONAL EQUIPMENT NEED: 1 Printer

Priority 1 - None

Priority 2 - 1 Printer

Priority 3 - None

Priority 3 - None

DIVISION OF RENEWABLE RESOURCES AND MINERAL RESOURCES

NEED: Monitors specific AIMS case types such as trespass, pending and authorized lands cases, etc. The unit has the potential for monitoring other natural resource management claims on public lands such as grazing leases/privileges; protected areas such as wilderness, ACEC, and natural areas; withdrawal reviews; managing cultural sites and encroachments; rights-of-way; activities/claims in key wildlife areas; timber sales/management; activities/claims affecting environmental concerns (air, water, soil, etc.); stipulations, bond and surety files, BRAS, PAAS, AFS, solid leaseable mineral system.

USERS: Geologists, Petroleum Engineers, and Natural Resource Specialists and their managers.

VOLUME/USAGE: This equipment will be shared with Appraisal Staff; total usage amounting to approximately 3-4 hours per day.

EXISTING EQUIPMENT: None - existing terminal equipment (non-AIMS) will meet existing and future needs.

ADDITIONAL EQUIPMENT NEEDED: 1 Printer

- Priority 1 - None
- Priority 2 - 1 Printer
- Priority 3 - None

AREA-BY-AREA ANALYSIS

ARIZONA STRIP DISTRICT OFFICE

DIVISION OF RESOURCE MANAGEMENT AND OTHERS

NEED: Monitors and updates specific ALMRS case types such as trespass, pending and authorized lands cases, etc. The Realty Specialist will be potentially more involved than others. However, all divisions can share in ALMRS use for monitoring natural resource management claims on public lands such as grazing leases, privileges; protecting areas such as wilderness, ACEC, and natural areas; withdrawal reviews; managing cultural sites and encroachments; right-of-ways; activities/claims in key wildlife areas; timber sales/management; activities/claims affecting environmental concerns (air, water, soil, etc.). Presently we have no Public Room at the District Office. The plans for a new District Office does have a Public Room shown. We expect a new DO building in a year or two.

USERS: All resource specialists in division and their managers shared with other divisions and management in proximity.

VOLUME/USAGE: The CRT is used 1-2 hours per day for ALMRS work.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEED: 1 CRT, 1 Printer

- Priority 1 - 1 CRT, 1 Printer for planned Public Room in District Office
- Priority 2 - None
- Priority 3 - None

AREA-BY-AREA ANALYSIS

ARIZONA STRIP DISTRICT OFFICE

DIVISION OF RESOURCE MANAGEMENT AND OTHERS

NEEDS: Monitors and updates specific AIRS case types such as trespass, pending and authorized lands cases, etc. The Realty Specialist will be potentially more involved than others. However, all divisions can share in AIRS use for monitoring natural resource management claims on public lands such as grazing leases, privileges, protecting areas such as wilderness, ACEC, and natural areas; withdrawal reviews; managing cultural sites and encroachments; right-of-ways; activities/claims in key wildlife areas; timber sales/management; activities/claims affecting environmental concerns (air, water, soil, etc.). Presently we have no Public Room at the District Office. The plans for a new District Office does have a Public Room shown. We expect a new DO building in a year or two.

USERS: All resource specialists in division and their managers shared with other divisions and management in proximity.

VOLUME/USAGE: The CRT is used 1-2 hours per day for AIRS work.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEEDED: 1 CRT, 1 Printer

Priority 1 - 1 CRT, 1 Printer for planned Public Room in District Office
 Priority 2 - None
 Priority 3 - None

AREA-BY-AREA ANALYSIS
AREA-BY-AREA ANALYSIS

ARIZONA STRIP DISTRICT OFFICE

DETACHED RESOURCE AREAS (2)

NEED: The two Area Offices manage lease/permitting systems; BLM natural resource programs such as lands, minerals, grazing, wildlife, recreation, wilderness, timber, soil/water/air, etc. A resource area may regularly monitor land status for any of these programs but especially for trespass, rights-of-way, wilderness, and possibly ACEC management. Staff enters interim actions on lands cases from reports or letters to and from applicants and other agencies along with pending action codes and verification of land status. The resource area responds to both public and interagency queries.

USERS: All Resource Specialists (all 17, but especially Realty Specialists)

VOLUME/USAGE: It is estimated that the 2 CRTs would be used 4-6 hours per day.
Area Managers (2)

EXISTING EQUIPMENT: 1 CRT, 1 Printer
VOLUME/USAGE: The existing CRT and printer is used about 2-3 hours per day.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEED: 1 CRT, 1 Printer

Priority 1 - 1 CRT, 1 Printer for Public Room in detached Area Office

Priority 2 - None

Priority 3 - None

AREA-BY-AREA ANALYSIS

ARIZONA STRIP DISTRICT OFFICE

DETACHED RESOURCE AREAS (2)

NEED: The two Area Offices manage lease/permitting systems; BLM natural resource programs such as lands, minerals, grazing, wildlife, recreation, wilderness, timber, soil/water/air, etc. A resource area may regularly monitor land status for any of these programs but especially for trespass, rights-of-way, wilderness, and possibly ACEC management. Staff enters interim actions on lands cases from reports or letters to and from applicants and other agencies along with pending action codes and verification of land status. The resource area responds to both public and interagency queries.

USERS: All Resource Specialists (all 17, but especially Realty Specialists)

Area Managers (2)

VOLUME/USAGE: The existing CRT and printer is used about 2-3 hours per day.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEEDED: 1 CRT, 1 Printer

Priority 1 - 1 CRT, 1 Printer for Public Room in detached Area Office
Priority 2 - None
Priority 3 - None

AREA-BY-AREA ANALYSIS

PHOENIX DISTRICT

DIVISIONS OF LANDS AND RENEWABLE RESOURCES & MINERAL RESOURCES

NEED: Equipment would be used to enter new cases, print serial pages, reporting data, track case files, every land and mineral action performed at the District level can be identified, mining claim information, status of cases, land status information, and financial data.

USERS: 2 Land Law Examiners
1 District Realty Specialist
1-2 Mining Engineers
1-2 Geologists
7-9 Resource Specialists

VOLUME/USAGE: It is estimated that the 2 CRTs would be used 4-6 hours per day.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEED: The additional CRT and printer would be used by the Mining Engineers, Geologists, and other Resource Specialists in a different area of the District Office.

Priority 1 - None
Priority 2 - None
Priority 3 - 1 CRT, 1 Printer

AREA-BY-AREA ANALYSIS

PHOENIX DISTRICT

DIVISIONS OF LANDS AND RENEWABLE RESOURCES & MINERAL RESOURCES

NEED:

Equipment would be used to enter new cases, print serial pages, reporting data, track case files, every land and mineral action performed at the District level can be identified, mining claim information, status of cases, land status information, and financial data.

USERS:

- 2 Land Law Examiners
- 1 District Realty Specialist
- 1-2 Mining Engineers
- 1-2 Geologists
- 7-9 Resource Specialists

VOLUME/USAGE:

It is estimated that the 2 CRTs would be used 4-6 hours per day.

EXISTING EQUIPMENT:

1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEEDED:

The additional CRT and printer would be used by the Mining Engineers, Geologists, and other Resource Specialists in a different area of the District Office.

Priority 1 - None

Priority 2 - None

Priority 3 - 1 CRT, 1 Printer

AREA-BY-AREA ANALYSIS

PHOENIX DISTRICT

PUBLIC ROOM

NEED: The CRTs would be available for the public and the Public Contact Specialist to retrieve land status, survey, and mining claim information. Public Contact Specialist may be required to enter some of the case file information.

USERS: 1 Public Contact Specialist
Public Users

VOLUME/USAGE: It is estimated that the equipment would be used 4-6 hours per day.

EXISTING EQUIPMENT: 2 CRTs, 1 Printer

ADDITIONAL EQUIPMENT NEED:

- Priority 1 - None
- Priority 2 - None
- Priority 3 - 1 CRT, 1 High Speed Printer

AREA-BY-AREA ANALYSIS

PHOENIX DISTRICT

PUBLIC ROOM

NEED: The CRTs would be available for the public and the Public Contact Specialist to retrieve land status, survey, and mining claim information. Public Contact Specialist may be required to enter some of the case file information.

USERS: 1 Public Contact Specialist
Public Users

VOLUME/USAGE: It is estimated that the equipment would be used 4-6 hours per day.

EXISTING EQUIPMENT: 2 CRTs, 1 Printer

ADDITIONAL EQUIPMENT NEEDED:

- Priority 1 - None
- Priority 2 - None
- Priority 3 - 1 CRT, 1 High Speed Printer

AREA-BY-AREA ANALYSIS

LOWER GILA RESOURCE AREA

NEED: A CRT and one shared printer would be used to track case files, identify every land and mineral action performed at the Area level, mining claim information, status of cases, land status information, and financial data.

USERS: 3-4 Realty Specialists
1 Geologist
6-8 Resource Specialists
Other individuals, usually for title research
State and District Office personnel

WLINE/USAGE: It is estimated that the CRT would be used 2-3 hours per day.

VOLUME/USAGE: It is estimated that the CRT would be used 2-3 hours per day.

EXISTING EQUIPMENT: None

EXISTING EQUIPMENT: None

ADDITIONAL EQUIPMENT NEED:

ADDITIONAL EQUIPMENT NEED:

- Priority 1 - None, 1 Printer
- Priority 2 - 1 CRT
- Priority 3 - None

AREA-BY-AREA ANALYSIS

LOWER GILA RESOURCE AREA

NEED: A CRT and one shared printer would be used to track case files, identify every land and mineral action performed at the Area level, mining claim information, status of cases, land status information.

USERS: 3-4 Realty Specialists
1 Geologist
6-8 Resource Specialists
Other individuals, usually for title research
State and District Office personnel

VOLUME/USAGE: It is estimated that the CRT would be used 2-3 hours per day.

EXISTING EQUIPMENT: None

ADDITIONAL EQUIPMENT NEEDED:

- Priority 1 - None
- Priority 2 - 1 CRT
- Priority 3 - None

AREA-BY-AREA ANALYSIS

PHOENIX RESOURCE AREA

NEED: The CRT and one shared printer would be used to track case files, identify every land and mineral action performed at the Area level, mining claim information, status of cases, land status information, and financial data. NIMRS data base.

USERS: 3-4 Realty Specialists
1 Geologist
6-8 Resource Specialists

VOLUME/USAGE: It is estimated that the CRT would be used 2-3 hours per day.

EXISTING EQUIPMENT: None

ADDITIONAL EQUIPMENT NEED:

- Priority 1 - None
- Priority 2 - 1 CRT, 1 Printer
- Priority 3 - None

AREA-BY-AREA ANALYSIS

PHOENIX RESOURCE AREA

NEED: The CRT and one shared printer would be used to track case files, identify every land and mineral action performed at the Area level, mining claim information, status of cases, land status information, and financial data.

USERS: 3-4 Realty Specialists
1 Geologist
6-8 Resource Specialists

VOLUME/USAGE: It is estimated that the CRT would be used 2-3 hours per day.

EXISTING EQUIPMENT: None

ADDITIONAL EQUIPMENT NEEDED:

Priority 1 - None
Priority 2 - 1 CRT, 1 Printer
Priority 3 - None

AREA-BY-AREA ANALYSIS

KINGMAN RESOURCE AREA

SAFFORD DISTRICT

NEED: Equipment would be used in support of day-to-day operation of the Kingman Resource Area - the largest in the state organization. It is anticipated that the full range of resources now managed would find some utility in the ALMRS data base.

USERS: 14 Resource Specialists
Area Manager
General Public

VOLUME/USAGE: 7 hours per day.

EXISTING EQUIPMENT: 2 CRTs, 1 Printer

ADDITIONAL EQUIPMENT NEED:

- Priority 1 - 1 Printer
- Priority 2 - None
- Priority 3 - 1 CRT for Public Room

Respond to queries from other agencies and the public (phone) on land status, pending applications, mining claims, and other lands data. In the process, reports on applications to identify prior filings and annotates ALMRS. They provide public assistance and respond to public users of ALMRS equipment located in the District.

Monitors and updates specific ALMRS case types such as trespass, pending and authorized lands cases, etc. The Realty Specialists will be potentially more involved than others. However, all divisions can share in ALMRS use for monitoring other natural resource management claims on public lands such as grazing leases, privileges; protecting areas such as wilderness, ACEC, and natural areas; withdrawal reviews; managing cultural sites and encroachments; right-of-ways; activities/claims in key wildlife areas; activities/claims affecting environmental concerns (air, water, soil, etc.) and land status.

The public requests information concerning land status, mining claim information, case file status and general resource uses and values. The public is also interested in all phases of multiple use and any and all questions can be expected to be asked and answered.

USERS: Realty Specialist - 3
Land Law Examiner - 1
Legal Clerk - 1
Mining Engineer - 1
Various Resource Specialists 20-25
Managers - 4
Public

AREA-BY-AREA ANALYSIS

KINGMAN RESOURCE AREA

NEEDS: Equipment would be used in support of day-to-day operation of the Kingman Resource Area - the largest in the state organization. It is anticipated that the full range of resources now managed would find some utility in the AIRS data base.

USERS: 14 Resource Specialists
Area Manager
General Public

VOLUME/USAGE: 7 hours per day.

EXISTING EQUIPMENT: 2 CRTs, 1 Printer

ADDITIONAL EQUIPMENT NEEDED:

Priority 1 - 1 Printer
Priority 2 - None
Priority 3 - 1 CRT for Public Room

VOLUME/USAGE: Total usage of AREA-BY-AREA ANALYSIS at 5-6 hours per day. The CRTs used by the LLE, Legal Clerk, Mining Engineer and Realty Specialists will have the most use. The public will account for sizeable amount of use also.

SAFFORD DISTRICT

DIVISION OF RENEWABLE RESOURCES, SAN SIMON RESOURCE AREA, GILA RESOURCE AREA

NEED: Inputs all ALMRS applications filed at this location, trespass information, and mineral sales. The Land Law Examiner and Legal Clerk will track and report all District/Resource Area progress and maintain control of all cases and reports to and from the location. They are responsible for verification and correction of all ALMRS inputs.

Respond to queries from other agencies and the public (over-the-counter, letter, or phone) on land status, pending applications, mining claims, and other lands data. In the adjudication process, reports on applications to identify prior filings and annotates ALMRS. They provide public assistance and education for public users of ALMRS equipment located in the District.

Manage BLM natural resource programs such as lands, minerals, grazing, wildlife, recreation, wilderness, soil/water/air, etc. Resource Specialists may regularly monitor land status for any of these programs but especially for trespass, rights-of-way, grazing, wilderness, and possible ACEC management. Staff enters interim actions on lands cases from reports or letters to and from applicants and other agencies along with pending action codes and verification of land status. The resource area responds to both public and interagency queries.

Monitors and updates specific ALMRS case types such as trespass, pending and authorized lands cases, etc. The Realty Specialists will be potentially more involved than others. However, all divisions can share in ALMRS use for monitoring other natural resource management claims on public lands such as grazing leases, privileges; protecting areas such as wilderness, ACEC, and natural areas; withdrawal reviews; managing cultural sites and encroachments; right-of-ways; activities/claims in key wildlife areas; activities/claims affecting environmental concerns (air, water, soil, etc.) and land status.

The public requests information concerning land status, mining claim information, case file status and general resource uses and values. The public is also interested in all phases of multiple use and any and all questions can be expected to be asked and answered.

USERS: Realty Specialist - 3
Land Law Examiner - 1
Legal Clerk - 1
Mining Engineer - 1
Various Resource Specialists 20-25
Managers - 4
Public

DIVISION OF RENEWABLE RESOURCES, SAN SIMON RESOURCE AREA, GILA RESOURCE AREA

NEED:

Inputs all AIRS applications filed at this location, trespass information, and mineral sales. The Land Law Examiner and Legal Clerk will track and report all District/Resource Area progress and maintain control of all cases and reports to and from the location. They are responsible for verification and correction of all AIRS inputs.

Respond to queries from other agencies and the public (over-the-counter, letter, or phone) on land status, pending applications, mining claims, and other lands data. In the adjudication process, reports on applications to identify prior filings and annotates AIRS. They provide public assistance and education for public users of AIRS equipment located in the District.

Manage BLM natural resource programs such as lands, minerals, grazing, wildlife, recreation, wilderness, soil/water/air, etc. Resource Specialists may regularly monitor land status for any of these programs but especially for trespass, rights-of-way, grazing, wilderness, and possible ACEC management. Staff enters interim actions on lands cases from reports or letters to and from applicants and other agencies along with pending action codes and verification of land status. The resource area responds to both public and interagency queries.

Monitors and updates specific AIRS case types such as trespass, pending and authorized lands cases, etc. The Realty Specialists will be potentially more involved than others. However, all divisions can share in AIRS use for monitoring other natural resource management claims on public lands such as grazing leases, privileges; protecting areas such as wilderness, ACEC, and natural areas; withdrawal reviews; managing cultural sites and encroachments; right-of-ways; activities/claims in key wildlife areas; activities/claims affecting environmental concerns (air, water, soil, etc.) and land status.

The public requests information concerning land status, mining claim information, case file status and general resource uses and values. The public is also interested in all phases of multiple use and any and all questions can be expected to be asked and answered.

USERS:

- Public Managers - 4
- Various Resource Specialists 20-25
- Mining Engineer - 1
- Legal Clerk - 1
- Land Law Examiner - 1
- Realty Specialist - 3

VOLUME/USAGE: Total usage of all CRTs is estimated at 5-6 hours per day. The CRTs used by the LLE, Legal Clerk, Mining Engineer and Realty Specialists will have the most use. The public will account for a sizeable amount of use also.

PUBLIC ROOM

EXISTING EQUIPMENT: 3 CRTs, 2 Printers in Public Area and Computer Room

ADDITIONAL EQUIPMENT: Priority 1 - 1 Printer for Public Area
Priority 2 - 1 CRT for LLE and Legal Clerk
Priority 3 - None

USERS: 1 Land Law Examiner
1 Miscellaneous Documents Examiner
The Public

VOLUME/USAGE: Estimated usage of the CRT and Printer is 4-5 hours per day.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEED: No additional needs are identified at present, although an additional CRT and printer may be needed if public use increases in later years.

Priority 1: None
Priority 2: None
Priority 3: 1 CRT, 1 Printer

VOLUME/USAGE: Total usage of all CRTs is estimated at 5-6 hours per day. The CRTs used by the LLE, Legal Clerk, Mining Engineer and Realty Specialists will have the most use. The public will account for a sizeable amount of use also.

EXISTING EQUIPMENT: 3 CRTs, 2 Printers in Public Area and Computer Room

ADDITIONAL EQUIPMENT: Priority 1 - 1 Printer for Public Area
Priority 2 - 1 CRT for LLE and Legal Clerk
Priority 3 - None

The purpose of this report is to provide information concerning land status, mining claim, and other matters which are of interest to the public and the various divisions of the BLM. The report is also intended to provide information on the status of land status, mining claim, and other matters which are of interest to the public and the various divisions of the BLM. The report is also intended to provide information on the status of land status, mining claim, and other matters which are of interest to the public and the various divisions of the BLM.

Realty Specialist - 3
Legal Clerk - 1
Mining Engineer - 1
Realty Specialist - 3
Mining Engineer - 1
Realty Specialist - 3

AREA-BY-AREA ANALYSIS

YUMA DISTRICT OFFICE

PUBLIC ROOM

NEED: This unit inputs all ALMRS application filed at the location, as well as trespass information and mineral activity. This office will track and report all District/Resource Area progress and maintain control of all cases and reports to and from the location. This office is responsible for verification and correction of all ALMRS inputs from the location and ALMRS orientation/training for local staffs. Responds to queries from other agencies and the public (over-the-counter, letter, or phone) on land status, pending applications, mining claims, and other lands data. In the adjudication process, the unit requests reports on applications to identify prior filings and annotates ALMRS. The unit provides public assistance and education for public users of ALMRS equipment located in this area.

USERS: 1 Land Law Examiner
1 Miscellaneous Documents Examiner
The Public

VOLUME/USAGE: Estimated usage of the CRT and Printer is 4-5 hours per day.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEEDED: No additional needs are identified at present, although an additional CRT and printer may be needed if public use increases in later years.

Priority 1: None
Priority 2: None
Priority 3: 1 CRT, 1 Printer

PUBLIC ROOM

NEEDS: This unit inputs all AIMRS application filed at the location, as well as trespass information and mineral activity. This office will track and report all District/Resource Area progress and maintain control of all cases and reports to and from the location. This office is responsible for verification and correction of all AIMRS inputs from the location and AIMRS orientation/training for local staffs. Responds to queries from other agencies and the public (over-the-counter, letter, or phone) on land status, pending applications, mining claims, and other lands data. In the adjudication process, the unit requests reports on applications to identify prior filings and annotates AIMRS. The unit provides public assistance and education for public users of AIMRS equipment located in this area.

USERS: 1 Land Law Examiner
1 Miscellaneous Documents Examiner
The Public

VOLUME/USAGE: Estimated usage of the CRT and Printer is 4-5 hours per day.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEEDED: No additional needs are identified at present, although an additional CRT and printer may be needed if public use increases in later years.

Priority 1: None
Priority 2: None
Priority 3: 1 CRT, 1 Printer

AREA-BY-AREA ANALYSIS

YUMA DISTRICT OFFICE

DIVISION OF RESOURCE MANAGEMENT AND OTHERS

NEED: Monitors specific ALMRS case types such as trespass, pending and authorized lands cases, etc. The unit has the potential for monitoring other natural resource management claims on public lands such as grazing leases, protected areas such as wilderness, ACEC, and natural areas; withdrawal reviews; managing cultural sites and encroachments; rights-of-ways; activities/claims in key wildlife areas; vegetative sales/management; activities/claims affecting environmental concerns (air, water, soil, etc.)

USERS: All Resource Specialists in Division; to be shared with Operations Division as well.

USERS: All Resource Specialists, temporaries, and volunteers (all 10, but protection specialists)
VOLUME/USAGE: The CRT would be used 4-5 hours per day.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEED: Additional needs are expected to be infrequent and would be filled by equipment use in the Public Room.

EXISTING EQUIPMENT: 1 CRT, 1 Printer
ADDITIONAL EQUIPMENT NEED:
Priority 1: None
Priority 2: None
Priority 3: None

AREA-BY-AREA ANALYSIS

YUMA DISTRICT OFFICE

DIVISION OF RESOURCE MANAGEMENT AND OTHERS

NEEDS: Monitors specific AIRS case types such as trespass, pending and authorized lands cases, etc. The unit has the potential for monitoring other natural resource management claims on public lands such as grazing leases, protected areas such as wilderness, ACEC, and natural areas; withdrawal reviews; managing cultural sites and encroachments; rights-of-ways; activities/claims in key wildlife areas; vegetative sales/management; activities/claims affecting environmental concerns (air, water, soil, etc.)

USERS: All Resource Specialists in Division; to be shared with Operations Division as well.

VOLUME/USAGE: The CRT would be used 4-5 hours per day.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEEDED: Additional needs are expected to be infrequent and would be filled by equipment use in the Public Room.

- Priority 1: None
- Priority 2: None
- Priority 3: None

AREA-BY-AREA ANALYSIS

YUMA DISTRICT OFFICE

YUMA RESOURCE AREA (in District Office)

NEED: This unit manages lease/permitting systems; manages BLM natural resource programs such as lands, minerals, grazing, wildlife, recreation, wilderness, wild horse and burro, soil/water/air, etc. A resource area may regularly monitor land status for any of these programs, but especially for trespass, rights-of-way, wilderness, and possibly ACEC management. Staff enters interim actions on lands cases from reports or letters to and from applicants and other agencies along with pending action codes and verification of land status. The resource area responds to both public and interagency queries. This detached resource area will provide such

USERS: All Resource Specialists, temporaries, and volunteers (all 10, but especially realty specialists and surface protection specialists)
Area Manager

VOLUME/USAGE: The CRT and printer would be used about 4-5 hours per day.

EXISTING EQUIPMENT: 1 CRT (lists, temporaries, and volunteers (all 8, but especially realty and surface protection specialists).

ADDITIONAL EQUIPMENT NEED: 1 Printer

- Priority 1 - 1 Printer
- Priority 2 - None
- Priority 3 - None

VOLUME/USAGE: The CRT and printer would be used about 4-5 hours per day.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEED:

- Priority 1 - None
- Priority 2 - 1 CRT, 1 Printer
- Priority 3 - None

AREA-BY-AREA ANALYSIS

YUMA DISTRICT OFFICE

YUMA RESOURCE AREA (in District Office)

NEED: This unit manages lease/permitting systems; manages BLM natural resource programs such as lands, minerals, grazing, wildlife, recreation, wilderness, wild horse and burro, soil/water/air, etc. A resource area may regularly monitor land status for any of these programs, but especially for trespass, rights-of-way, wilderness, and possibly ACEC management. Staff enters interim actions on lands cases from reports or letters to and from applicants and other agencies along with pending action codes and verification of land status. The resource area responds to both public and interagency queries.

USERS: All Resource Specialists, temporaries, and volunteers (all 10, but especially realty specialists and surface protection specialists)

Area Manager

VOLUME/USAGE: The CRT and printer would be used about 4-5 hours per day.

EXISTING EQUIPMENT: 1 CRT

ADDITIONAL EQUIPMENT NEEDED: 1 Printer

- Priority 1 - 1 Printer
- Priority 2 - None
- Priority 3 - None

GIS GRAPHIC AREA-BY-AREA ANALYSIS OF ALMRS

YUMA DISTRICT OFFICE

HAVASU RESOURCE AREA (DETACHED)

NEED: This unit manages lease/permitting systems as well as BLM natural resource programs such as lands, minerals, grazing, wildlife, recreation, wilderness, wild horse and burro, soil/water/air, etc. A resource area may regularly monitor land status for any of these programs, but especially for trespass, rights-of-way, wilderness, and possibly ACEC management. Staff enters interim actions on lands cases from reports or letters to and from applicants and other agencies along with pending action codes and verification of land status. The resource area responds to both public and interagency queries. This detached resource area will provide much over-the-counter assistance as well as assistance to public users of the Public Room CRTs.

This office has recently been relocated so as to be the most visible Federal agency office in the area. With this, public use is expected to increase to the extent that a single CRT and printer will need to be dedicated solely to public use.

USERS: All Resource Specialists, temporaries, and volunteers (all 8, but especially realty and surface protection specialists). \$ 676

6746-A Area Manager (300 less 18%) 3,116 41

6385-A The Public (3,160 less 18%) 2,592 36

VOLUME/USAGE: The CRT and printer would be used about 4-5 hours per day. 19

EXISTING EQUIPMENT: 1 CRT, 1 Printer (24,300 less 10%) 24,300 280

ADDITIONAL EQUIPMENT NEED: (43,350 less 18%) 39,447 252

Priority 1 - None 1,100

Priority 2 - 1 CRT, 1 Printer (25,000 less 18%) 20,500 150

Priority 3 - None

Hardware Subtotal \$170,170 \$1554

HAVASU RESOURCE AREA (DETACHED)

NEEDS:

This unit manages lease/permitting systems as well as BLM natural resource programs such as lands, minerals, grazing, wildlife, recreation, wilderness, wild horse and burro, soil/water/air, etc. A resource area may regularly monitor land status for any of these programs, but especially for trespass, rights-of-way, wilderness, and possibly ACEC management. Staff enters interim actions on lands cases from reports or letters to and from applicants and other agencies along with pending action codes and verification of land status. The resource area responds to both public and interagency queries. This detached resource area will provide much over-the-counter assistance as well as assistance to public users of the Public Room CRTs.

This office has recently been relocated so as to be the most visible Federal agency office in the area. With this, public use is expected to increase to the extent that a single CRT and printer will need to be dedicated solely to public use.

USERS:

All Resource Specialists, temporaries, and volunteers (all 8, but especially realty and surface protection specialists).

Area Manager

The Public

VOLUME/USAGE: The CRT and printer would be used about 4-5 hours per day.

EXISTING EQUIPMENT: 1 CRT, 1 Printer

ADDITIONAL EQUIPMENT NEEDED:

- Priority 1 - None
- Priority 2 - 1 CRT, 1 Printer
- Priority 3 - None

GIS GRAPHIC EQUIPMENT IN SUPPORT OF ALMRS

The development of graphic representations using coordinates defined in the ALMRS data base calls for the development of relational data base management system capability with the MOSS software. The development of the software would then need to be on a mainframe which would allow both MOSS and ALMRS programs. This mainframe would be in the State Office. Each District Office and detached Resource Area Office would need the capability to call up ALMRS and produce a graphic as needed. As there would be a large number of stations with multiple stations needed at the State and District Offices for public access, these must do the job with the least cost. The bulk of the expenditure would be the mainframe. The following configurations would provide this capability.

It is assumed DSC will develop or purchase appropriate graphic software for ALMRS and the necessary software and hardware would be installed in FY 87.

State Office Mainframe

DG MV Series Hardware
MV4000 Series Configuration

	<u>Hardware Configuration</u>	<u>Cost (\$)</u>	<u>Monthly Maintenance</u>
9903-I	MV4000/2mb Pkg 354 Mbdisc 800/1600 Bpi (91,300 less 15%)	\$ 77,605	\$ 676
8746-A	MV4000 Bbu (3,800 less 18%)	3,116	41
6085-A	Dasher Display Console Sys W/rtc (3,160 less 18%)	2,592	36
6167-N	D460 Monitor & Keyboard (1,850 less 18%)	1,517	19
4374	1200 lpm Band Printer (27,000 less 10%)	24,300	280
6122	277 Mb Disc Subsys (43,350 less 18%)	39,447	252
1163A	277 Mb Disc Pack (qty 1-3)	1,100	
6236	354 Mb Disc Subsys (25,000 less 18%)	<u>20,500</u>	<u>150</u>
	Hardware Subtotal	\$170,170	\$1554

GIS GRAPHIC EQUIPMENT IN SUPPORT OF AIMRS

The development of graphic representations using coordinates defined in the AIMRS data base calls for the development of relational data base management system capability with the MOSS software. The development of the software would then need to be on a mainframe which would allow both MOSS and AIMRS programs. This mainframe would be in the State Office. Each District Office and detached Resource Area Office would need the capability to call up AIMRS and produce a graphic as needed. As there would be a large number of stations with multiple stations needed at the State and District Offices for public access, these must do the job with the least cost. The bulk of the expenditure would be the mainframe. The following configurations would provide this capability.

It is assumed DSC will develop or purchase appropriate graphic software for AIMRS and the necessary software and hardware would be installed in FY 87.

State Office Mainframe

Hardware Configuration	Cost (\$)	Monthly Maintenance
9903-I MV4000/2mb Pkg 354 Modisc 800/1600 Bpi (91,300 less 18%)	\$ 77,605	\$ 676
8746-A MV4000 Bpi (3,800 less 18%)	3,116	41
6085-A Dasher Display Console Sys W/rtc (3,160 less 18%)	2,592	36
6167-N D460 Monitor & Keyboard (1,850 less 18%)	1,517	19
4374 1200 lpm Band Printer (27,000 less 10%)	24,300	280
6122 277 Mb Disc Subsys (43,350 less 18%)	39,447	252
1163A 277 Mb Disc Pack (qty 1-3)	1,100	
6236 354 Mb Disc Subsys (25,000 less 18%)	20,500	150
Hardware Subtotal	\$170,170	\$1524

Graphic Stations

These are capable of accessing the tabular data, generate graphics on the screen, and direct data/graphic to a dot matrix printer for page or plat sized, b/w or color products. These stations would be dedicated to the ALMRS program and be connected to the SO Mainframe.

Visual 500 Terminal w/dot matrix printer - Each \$2200

One for each Field Office - 6 (4 Districts and 2 Detached Area Offices)
 One for staff on each floor of ASO - 2
 Four for use in Public Room - 4

12 Visual 500 Terminal/Printers - \$26,400

Tektronix 4115B Terminal and Calcomp Plotter
 for plat-size, color graphics - Each \$40,000

One for each Field Office - 6
 One for ASO staff and public in ASO - 2

8 x \$40,000 = \$320,000

a - () Not included in totals since equipment will be transferred to Public Room at time of implementation.
 b - Contingent upon Mining Claims/DACA software development (4 CRT's and 1 Printer)
 c - High Speed Printer
 d - Until ALMRS graphics is further defined, equipment needs cannot be determined.

Cost Per Unit: Terminal - \$ 3,760.00
 Printer - \$ 2,870.00
 High Speed Printer - \$21,000.00

Graphic Stations

These are capable of accessing the tabular data, generate graphics on the screen, and direct data/graphic to a dot matrix printer for page or plot sized, b/w or color products. These stations would be dedicated to the AIMS program and be connected to the SO Mainframe.

Visual 500 Terminal w/dot matrix printer - Each \$2200

- One for each Field Office - 6 (4 Districts and 2 Detached Area Offices)
- One for staff on each floor of ASO - 2
- Four for use in Public Room - 4

12 Visual 500 Terminal/Printers - \$26,400

Tektronix 415B Terminal and Calcomp Plotter for plot-size, color graphics - Each \$40,000

- One for each Field Office - 6
- One for ASO staff and public in ASO - 2

8 x \$40,000 = \$320,000

Item	Qty	Unit Price	Total Price
Visual 500 Terminal/Printer	12	\$2,200	\$26,400
Tektronix 415B Terminal and Calcomp Plotter	8	\$40,000	\$320,000
Total			\$346,400

TABLE 1 ALMRS EQUIPMENT NEEDS
(Excluding Graphics)

	Priority #1 ('85)		Priority #2 ('86)		Priority #3 ('87)		Existing ALMRS		Needs Total	
	CRT	Printers	CRT	Printers	CRT	Printers	CRT	Printers	CRT	Printers
Arizona Strip District	2	2	-	-	-	-	2	2	4	4
Phoenix District	-	-	2	1	2	2 ^c	3	2	7	5
Kingman Resource Area	-	1	-	-	1	-	2	1	3	2
Safford District	-	1	1	-	-	-	3	2	4	3
Yuma District	-	1	-	-	1	1	3	2	4	4
Havasu Resource Area	-	-	1	1	-	-	1	1	2	2
Indian Project Office ^a	-	-	-	-	-	-	(1)	(1)	(1)	(1)
Lands, Minerals, Withdrawals	-	-	-	-	7	3	4	2	11	5
Mining Claims	4 ^b	1 ^b	-	-	-	-	-	-	4	1
Public Room	-	1	-	1 ^c	8	8	4	2	12	4 ^a
Division Resources/ Minerals/Appraisals	-	-	-	1	-	-	-	-	-	1
ALMRS ^a	-	-	(2)	(2)	-	-	(4)	(2)	(6)	(4)
Cadastral	-	-	1	1	-	-	-	-	1	1
Engineering ^d	-	-	-	-	-	-	-	-	-	-
TOTALS	6	7	5	5	19	14	27	17	52	32

a - () Not included in totals since equipment will be transferred to Public Room at time of implementation.

b - Contingent upon Mining Claim/ORCA software development (4 CRTs and 1 Printer)

c - High Speed Printer

d - Until ALMRS graphics is further defined, equipment needs cannot be determined.

Cost Per Unit: Terminal - \$ 3,760.00
Printer - \$ 2,870.00
High Speed Printer - \$21,000.00

BLM Library
D-553A, Building 50
Denver Federal Center
P. O. Box 25047
Denver, CO 80225-0047

BLM Library
 D-553A, Building 50
 Denver Federal Center
 P. O. Box 25047
 Denver, CO 80225-0047

BLM Library
 D-553A, Building 50
 Denver Federal Center
 P. O. Box 25047
 Denver, CO 80225-0047

Excluded

Public Room

at time of implementation

	AL	SA	VI	SE	SE	SE
Public Room	-	-	-	-	-	-
Mineral Claims	-	-	-	-	-	-
Range, Minerals, Mitigation	-	-	-	-	-	-
Indian Project Office	-	-	-	-	-	-
Natural Resource Area	-	-	-	-	-	-
Utah District	-	-	-	-	-	-
Safford District	-	-	-	-	-	-
Kudwin Resource Area	-	-	-	-	-	-
Bronx District	-	-	-	-	-	-
Wilson Strip District	-	-	-	-	-	-

(Excluding Grants)

TABLE I - UTILITY REQUIREMENTS