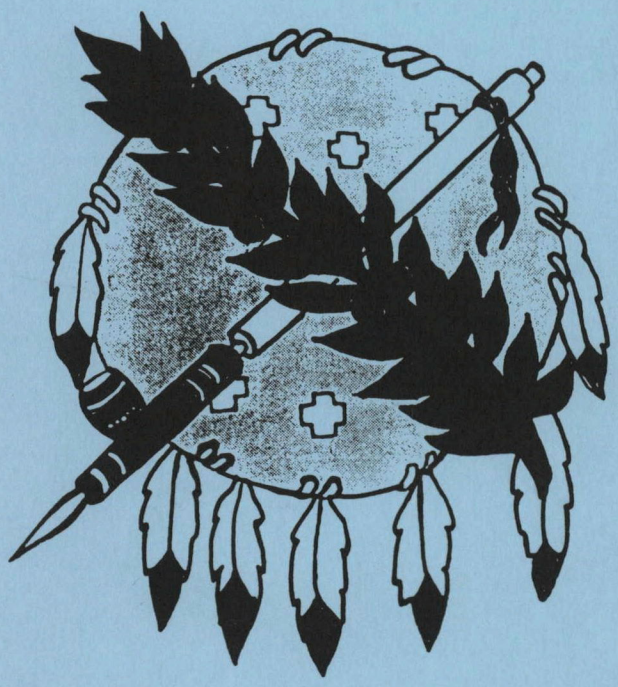
United States Department of the Interior
Bureau of Land Management
Tulsa District
Oklahoma Resource Area January 1994

OKLAHOMA RESOURCE MANAGEMENT PLAN RECORD OF DECISION AND PLAN



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Oklahoma Resource Area
221 N. Service Road
Moore, Oklahoma 73160-4946

Dear Reader:

This document contains the combined Oklahoma Resource Management Plan (RMP) and Record of Decision (ROD). The ROD and Plan are combined to streamline our mandated land-use-planning requirements and to provide the reader with a useable finished product.

The ROD records the decisions of the Bureau of Land Management (BLM) for administration of Federal land and mineral resources within the Oklahoma Planning Area.

The Oklahoma RMP and appendices provide direction and guidance to BLM Managers in the formulation of decisions effecting the management of Federal resources within the planning area for the next 20 years. The Oklahoma RMP was extracted from the Proposed Oklahoma RMP/FEIS.

The Planning Area encompasses BLM administered surface and split-estate minerals as well as Federal minerals under Federal surface administered by other Federal Agencies within the State of Oklahoma.

The issuance of this ROD and RMP completes the BLM land use planning process for the State of Oklahoma. We now move to implementation of the plan. We wish to thank all the individuals and groups who participated in this effort these past two years, without their help we could not have completed this process.

Sincerely,

Paul W. Tanner
Area Manager
Oklahoma Resource Area

BLM-NM-PT-94-0002-4410

RECORD OF DECISION

The decision is hereby made to approve the proposed decisions as described in the Proposed Oklahoma Resource Management Plan/Final Environmental Impact Statement (RMP/FEIS October 1993).

MANAGEMENT CONSIDERATIONS

The decision to approve the Proposed Plan is based on: (1) the input received from the public, other Federal and state agencies; (2) the environmental analysis for the alternatives considered in the Draft RMP/Draft EIS, as well as the Proposed Oklahoma RMP/FEIS. By adoption of this plan anticipated impacts as described in both the Draft and Final EIS will be minimized.

IMPLEMENTATION AND MONITORING

The approved Oklahoma RMP provides specific management decisions for the planning area for the next 20 years. Plan monitoring will be performed by periodic managerial review to ensure that all subsequent land-use management decisions conform to the Plan and to the established guidelines. On-the-ground actions resulting from management decisions will be monitored by agency personnel to establish how effective the management measures are at minimizing environmental impacts.

PUBLIC INVOLVEMENT

Public opinion, input and involvement has been sought throughout the planning and decision making process. Public participation was documented in detail in Chapter 5 of the Proposed RMP/FEIS. An annual RMP summary document will be prepared to inform the public of the progress made in plan implementation.

CONSISTENCY/PROTEST RESOLUTION

No inconsistencies with the plans, programs, and policies of other Federal agencies or state and local governments were identified during the planning process, including the Governors consistency review. No protests were received on the Proposed Oklahoma RMP/FEIS

PUBLIC AVAILABILITY OF THIS DOCUMENT

Copies of this document can be obtained by contacting the Bureau of Land Management, Oklahoma Resource Area, 221 North Service Road, Moore Oklahoma 72160.

CONCLUSION

This Record of Decision constitutes the final Bureau action involved in the approval of the Oklahoma Resource Management Plan. Any person adversely affected by a decision of the Bureau Officer in implementing some portion of a Resource Management Plan may appeal such action to the Interior Board of Land Appeals pursuant to 43 Code of Federal Regulations 4.400 at the time the action is proposed for implementation.

01-12-94
Date

William C. Calkins
State Director, New Mexico
Bureau of Land Management

OKLAHOMA RESOURCE MANAGEMENT PLAN

January 1994

Prepared by
U.S Department of the Interior
Bureau of Land Management

For Information:

Paul W. Tanner
Area Manager
Oklahoma Resource Area
221 North Service Road
Moore, Oklahoma 73160

Recommended by:

Jim Sims
District Manager
Tulsa District

Approved by:

William Calkins
State Director
New Mexico State Office

OKLAHOMA RESOURCE MANAGEMENT PLAN

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INTRODUCTION

The Oklahoma Resource Management Plan (RMP) provides the BLM a comprehensive framework for managing the Federally owned minerals and BLM administrated lands in the State of Oklahoma. The RMP establishes program constraints, resource objectives and resource management methods.

Management decisions presented in this plan will remain in effect until the plan is amended, revised or replaced by a new plan. If significant changes occur in the proposed uses of Federal lands and minerals within the state, the RMP will be amended or revised to address those changes.

This RMP fulfills the Federal Land Policy and Management Act of 1976 (FLPMA) requirements for comprehensive land-use planning for public lands. All actions within this document conform to and are designed to meet the requirements of the Mineral Leasing Act of 1920, as amended.

Description of Planning Area

Oklahoma is situated in the south-central portion of the contiguous forty-eight states. The state is the 19th largest and covers an area 208 miles north and south by 470 miles east and west at the panhandle. The state covers an area of approximately 68,656 square miles or roughly 44,000,000 acres. Oklahoma is bordered on the south by Texas, the west by New Mexico, the northwest by Colorado, the north by Kansas and the east by Arkansas.

Federally owned surface and mineral estate in Oklahoma encompass approximately 2.1 million acres located in 72 of the state's 77 counties (Map 1-1).

The Oklahoma Planning Area consists of the Federally owned surface and mineral estate administered by the BLM, not including the approximately 249,431 acres of United States (U.S.) Forest Service managed lands.

The planning area includes up to 90,000 surface acres, 520,000 acres of split estate minerals (private surface over Federal minerals) and approximately 1,200,000 acres of Federal mineral estate underlying other Federal Surface Management Agencies (SMA's) lands.

Federal minerals are classified as both Public Domain (PD) minerals and acquired minerals depending upon how they became Federal property. PD minerals have resulted from the Federal government retaining ownership of the mineral estate. Acquired minerals result from a Federal agency's purchase of private lands and the underlying mineral estate for a specific purpose or project such as a military base or reservoir site. Not all mineral estate within the boundaries of the SMA lands were acquired. For land use planning purposes however, all acreage within the administrative boundaries of the SMAs are treated as Federal.

The Federal SMAs within Oklahoma and their specific areas of responsibility include:

(1) The United States Army (US Army), Corps of Engineers (COE), Tulsa District for reservoirs as well as various local flood protection projects including; ARCADIA, BIRCH, BROKEN BOW, CANTON, CHOUTEAU Lock and Dam (L&D), EUFAULA, FORT GIBSON, FORT SUPPLY, GREAT SALT PLAINS, HEYBURN, HUGO, HULAH, KAW, KEYSTONE, MCCLELLAN-KERR NAVIGATION SYSTEM, NEWT GRAHAM (L&D), OPTIMA, OOLOGAH, PINE CREEK, ROBERT S.KERR, SARDIS, SKIATOOK, TENKILLER, TEXOMA, W.D. MAYO (L&D), WAURIKA, WEBBER FALLS (L&D), and WISTER.

(2) The U.S. Department of the Interior (DOI), Bureau of Reclamation (BR), Great Plains Region for the following reservoirs; ALTUS, FORT COBB, FOSS, McGEE CREEK, THUNDERBIRD, and TOM STEED.

(3) The US Army, for the following installations; FORT SILL, McALESTER ARMY AMMUNITION PLANT, and CAMP GRUBER.

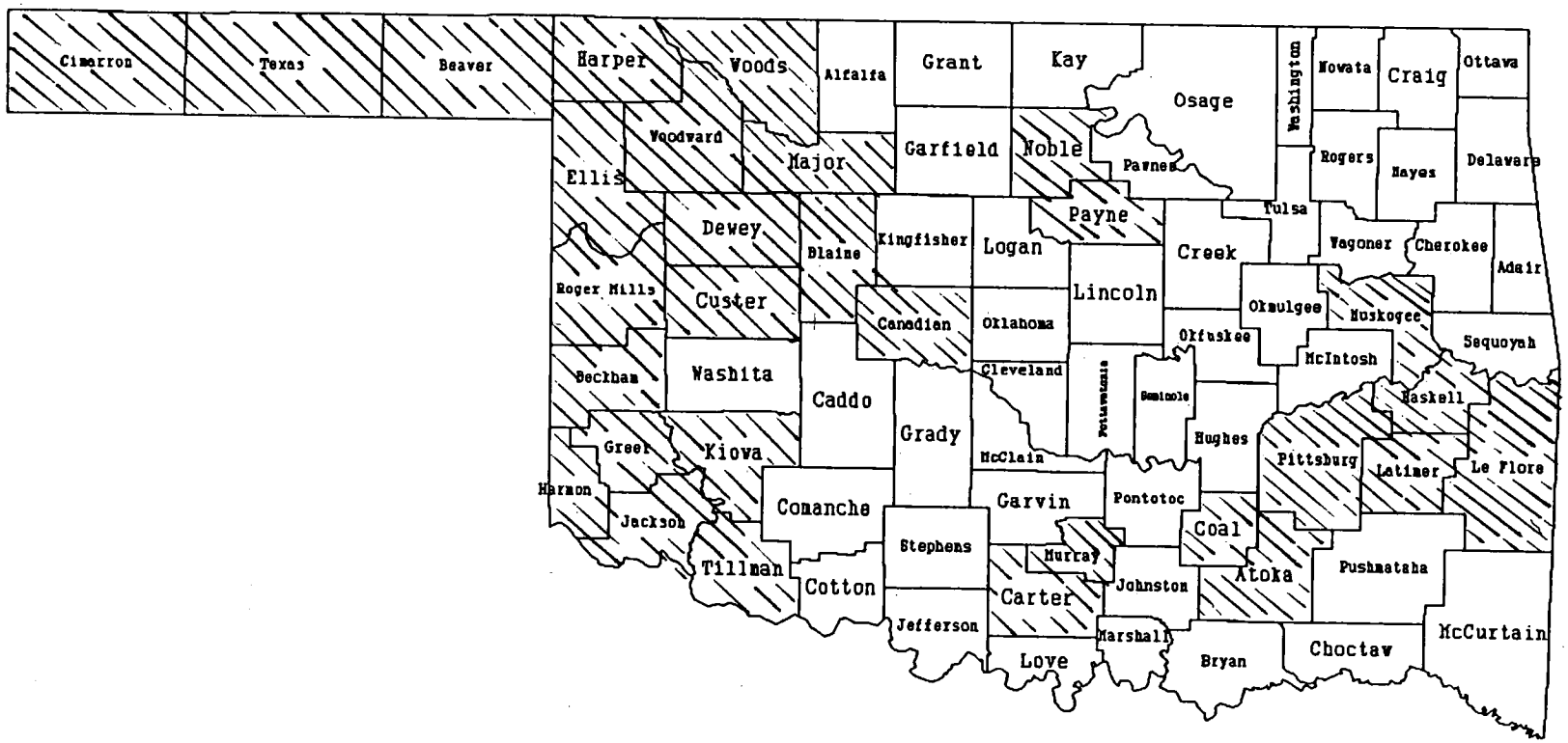
(4) The DOI, Fish and Wildlife Service (USFWS), Region 2, Albuquerque, New Mexico for the GREAT SALT PLAINS, LITTLE RIVER, OPTIMA, SEQUOYAH, TISHIMINGO, WASHITA and WICHITA MOUNTAINS National Wildlife Refuges (NWR), and the TISHIMINGO National Fish Hatchery.

(5) The DOI, National Park Service (NPS), Southwest Region, Santa Fe, New Mexico for the CHICKASAW National Recreation Area (includes LAKE OF THE ARBUCKLES).

(6) The DOI, Bureau of Indian Affairs (BIA), Anadarko and Muskogee Area Offices for management of BIA owned lands in Oklahoma.

OKLAHOMA PLANNING AREA

COUNTIES WITH GREATER THAN 1,000 ACRES OF SPLIT-ESTATE



MAP 1-1

(7) U.S. Air Force (USAF) for ALTUS, TINKER, and VANCE Air Force Bases.

(8) U.S. Department of Justice, Bureau of Prisons (BP) for EL RENO Federal Reformatory.

(9) U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS) for lands in Canadian, Harper and Woodward counties.

Federal split-estate tracts range in size from less than 1 acre to over 100,000 acres. A description of split-estate minerals, identified within each county by legal description, is included in Appendix 1.

Planning Issues, Criteria, and Management Concerns

The BLM planning regulations equate land use planning with problem solving and issue resolution. An issue is defined as an opportunity, conflict, or problem, regarding the use or management of public land and resources.

Planning criteria are the standards, rules, and measures used for data collection and alternative formulation, which will guide final plan selection. Planning criteria are taken from appropriate laws and regulations, BLM Manuals and directives, and concerns expressed in meetings, and consultations, both with the public and other agencies.

Management concerns are those non-issue related procedures or land use allocations which have proven, during the preparation of this RMP/EIS, to need modification. Management concerns focus on use conflicts, requirements, or conditions that cannot be resolved administratively and did not, during initial public scoping, appear to meet the criteria to qualify as a planning issue.

The issues examined by the Oklahoma RMP were identified based upon public input, the judgment of the planning team and BLM management consultation. The issues addressed the anticipated concerns of the public, industry and other Federal, State and local agencies.

ISSUE 1: LEASING AND DEVELOPMENT OF THE FEDERAL OIL AND GAS MINERAL ESTATE IN OKLAHOMA.

This issue was further broken down into the following leasing categories:

1. Open Subject to Standard Terms and Conditions (STC).

Federal minerals within Oklahoma as identified by this plan which are open for oil and gas leasing and development subject to standard lease terms and conditions. These are the areas where the terms and conditions of a standard lease form are sufficient to protect other land uses and/or resource values.

2. Open Subject to Seasonal or Other Minor Constraints.

Federal minerals within Oklahoma which are open for oil and gas leasing and development subject to minor constraints such as seasonal restrictions (wildlife, recreation, etc.). These areas are where moderately restrictive lease stipulations may be required to mitigate potential impacts to other land uses or resource values.

3. Open Subject to No Surface Occupancy and Similar Major Constraints.

Federal minerals within Oklahoma which are open for oil and gas leasing and development subject to major constraints such as No Surface Occupancy (NSO) stipulations on areas larger than 40 acres in size or more than 1/4 mile in width. These are the areas that require highly restrictive lease stipulations in order to mitigate potential impacts to other land uses or resource values.

4. Closed to Leasing.

Federal minerals within Oklahoma which are closed to leasing. These areas are where other land uses or resource values cannot be adequately protected by the most restrictive lease stipulations and appropriate protection can only be ensured by closing the area to leasing.

Management Direction (Existing Oil and Gas Leases)

Existing leases may contain leasing stipulations that are either too restrictive or not restrictive enough in terms of the goals and objectives established in areas where the preceding lease stipulation categories may apply. The existing lease terms and conditions can only be modified by the agreement of both parties to the lease, or after lease termination.

ISSUE 2: FEDERAL COAL BEARING TRACTS IN OKLAHOMA WHICH ARE ACCEPTABLE FOR FURTHER CONSIDERATION FOR COMPETITIVE COAL LEASING.

Federal coal tracts identified within this RMP as acceptable for further consideration for leasing, must pass the four land use planning screens as described in Title 43 Code of Federal Regulations (CFR) 3420. These are:

Screen 1. Development Potential

Only those Federal coal bearing tracts that have development potential can be identified as acceptable for further consideration for leasing.

Screen 2. Unsuitability Criteria

The Federal coal bearing tracts identified as possessing coal development potential (screen one) have been assessed for applicability of the 20 unsuitability criteria identified in 43 CFR 3461. The criteria in the CFR are as follows:

Criterion Number 1. All Federal lands included in the following land systems or categories shall be considered unsuitable: National Park System, National Wildlife Refuge System, National System of Trails, National Wilderness Preservation System, National Wild and Scenic Rivers System, National Recreation Areas, lands acquired with money derived from the Land and Water Conservation Fund, National Forests, and Federal lands in incorporated cities and towns.

Criterion Number 2. Federal lands that are within rights-of-way or easements or within surface leases for residential, commercial, industrial, or other public purposes, on Federally owned surface shall be considered unsuitable.

Criterion Number 3. Lands within 100 feet of a cemetery, or within 300 feet on any public building, school, church, community or institutional building or public park or within 300 feet of an occupied dwelling shall be considered unsuitable.

Criterion Number 4. Federal land designated as wilderness study area shall be considered unsuitable while under review by the Administration and the Congress for possible wilderness designation.

Criterion Number 5. Scenic Federal lands designated by visual resource management analysis as Class I (an area of outstanding scenic quality or high visual sensitivity) but not currently on the National Register of Natural Landmarks shall be considered unsuitable.

Criterion Number 6. Federal lands under permit by the surface management agency, and being used for scientific studies involving food or fiber production, natural resources, or technology demonstrations and experiments shall be considered unsuitable for the duration of the study demonstration or experiment, except where mining could be conducted in such a way as to enhance or not jeopardize the purposes of the study, as determined by the surface management agency, or where the principal scientific user or agency gives written concurrence to all or certain methods of mining.

Criterion Number 7. All publicly or privately owned places which are included in the National Register of Historic Places shall be considered unsuitable. This shall include any area, after consultation with the Advisory Council on Historic Preservation and the State Historic Preservation Officer, are necessary to protect the inherent values of the property that made it eligible for listing in the National Register.

Criterion Number 8. Federal lands designated as natural areas or as National Natural Landmarks shall be considered unsuitable.

Criterion Number 9. Federally designated critical habitat for listed threatened or endangered plant and animal species, and habitat proposed to be designated as critical for listed threatened or endangered plant and animal species or species proposed for listing, and habitat for Federal threatened or endangered species which is determined by the Fish and Wildlife Service and the surface management agency to be of essential value and where the presence of threatened or endangered species has been scientifically documented, shall be considered unsuitable.

Criterion Number 10. Federal lands containing habitat determined to be critical or essential for plant or animal species listed by a state pursuant to state law as endangered or threatened shall be considered unsuitable.

Criterion Number 11. A bald or golden eagle nest or site on Federal lands that is determined to be active and an appropriate buffer zone of land around the nest site shall be considered unsuitable.

Criterion Number 12. Bald and golden eagle roost and concentration area on Federal lands used during migration and wintering shall be considered unsuitable.

Criterion Number 13. Federal lands containing a falcon (excluding kestrel) cliff nesting site with an active nest and a buffer zone of Federal land around the nest site shall be considered unsuitable.

Criterion Number 14. Federal lands which are high priority habitat for migratory bird species of high Federal interest on a regional or national basis, as determined jointly by the surface management agency and the USFWS, shall be considered unsuitable.

Criterion Number 15. Federal lands which the surface management agency and the State jointly agree are habitat for resident species of fish, wildlife, and plants of high interest to the State and which are essential for maintaining these priority wildlife and plant species shall be considered unsuitable.

Criterion Number 16. Federal lands in riverine, coastal and special floodplains (100-year recurrence interval) on which the surface management agency determines that mining could not be undertaken without substantial threat of loss of life or property shall be considered unsuitable for all or certain stipulated methods of coal mining.

Criterion Number 17. Federal lands which have been committed by the surface management agency to use as municipal watersheds shall be considered unsuitable.

Criterion Number 18. Federal lands with National Resource Waters, as identified by states in their water quality management plans, and a buffer zone of Federal lands 1/4 mile from the outer edge of the far banks of the water, shall be unsuitable.

Criterion Number 19. Federal lands identified as alluvial valley floors, where mining would interrupt, discontinue, or preclude farming, shall be considered unsuitable. Additionally, when mining Federal land outside an alluvial valley floor would materially damage the quantity or quality of water in surface or underground water systems that would supply alluvial valley floors, the land shall be considered unsuitable.

Criterion Number 20. Federal lands in a state to which is applicable a criterion (i) proposed by the state or Indian tribe located in the planning area, and (ii) adopted by rule making by the Secretary, shall be considered unsuitable.

It should be noted that applicable exceptions and exemptions are identified in the CFR for every unsuitability criteria.

3. Multiple Use

Multiple land use decisions have eliminated additional areas from surface coal leasing consideration to protect locally important resource values not included in the 20 unsuitability criteria.

4. Surface Owner Consultation

Qualified surface owners have been, and will be consulted to determine preference for or against coal mining by other than underground methods.

ISSUE 3: TOWNSITE DISPOSAL

The Townsite Reserves Project inventories were initiated in March 1989, and concluded in April 1992. Initial inventories have been conducted in each of the counties of the former Oklahoma Territory. A total of 1,934 town and place names have been identified and checked for reserves in the original patents. Patents for seventy-five of the townsites were found to have contained reservations for parks and/or public purposes. Reserves for forty-one of the seventy-five townsites have been patented. The reservations for the remaining thirty-four townsites for which a patent was never issued total 366.779 acres.

ISSUE 4: RED RIVER MANAGEMENT

PD lands occur along the Red River in Oklahoma from the 98th Meridian of West Longitude to the mouth of the North Fork of the Red River, between the medial line of the river and the northern border of Texas. The lack of a permanent fixed boundary between these two states has resulted in a history of dispute and conflict over this area. The Red River Management Area (RRMA) will include those PD lands identified by the survey method agreed to by both Oklahoma and Texas as a resolution to the Red River boundary issue.

Current U.S. District Court decisions on five river miles near Waurika, Oklahoma, have resulted in approximately 1,400 acres being identified as Public Land. If the wide-bed or ancient cut bank survey option is utilized, approximately 45,000 acres would be identified as PD south of the rivers medial line.

PLANNING CRITERIA

The following describes the planning criteria that were used in addressing the identified issues. All alternatives considered for management of the identified issues or addressing the issues must satisfy the criteria.

1. All proposed actions must comply with laws, Executive Orders,and regulations.

2. For each proposed action, the resource outputs must be reasonable and achievable with available technology.

3. All proposed actions must recommend resource allocations which are in accordance with the principles of multiple-use and sustained yield.

4. The RMP will describe the specific circumstances within which mineral lease stipulations would be subject to waiver. Those lease stipulations not subject to waiver will also be described.

5. All proposed actions will be evaluated to consider long term benefits to the public in relation to short term benefits.

6. Surface actions not controlled by, or under the authority of, the BLM will not be addressed by the RMP. Surface uses authorized by the surface owner or the SMA are not subject to discussion in the RMP.

RESOURCE MANAGEMENT PLAN

This plan is for all Federal lands and minerals under the jurisdiction of the BLM in Oklahoma. This RMP was developed with guidance provided by the planning criteria, public consultation and coordination with other agencies.

The RMP is not a land use plan for private, state, or other SMA resources. BLM has no surface jurisdiction over the approximately 520,000 acres of split estate Federal minerals administered by the agency, nor does the BLM have surface land use authority concerning the approximately 1,200,000 acres of SMA's lands. Under the various Federal mineral leasing laws, regulations and programs, the SMA has the responsibility for consenting to mineral leasing and subsequent minerals development. The SMA retains all authority to manage their programs and resources while the management of the mineral estate is vested with the BLM.

CONTINUING MANAGEMENT GUIDANCE (CMG)

This section describes resource management guidance that is applicable to, and therefore constitutes a part of the RMP. CMG is provided by laws, Executive Orders (EO), regulations, Interior Department manuals, BLM manuals and BLM instruction memoranda. CMG also includes decisions from preceding land use plans and cooperative agreements or memoranda of understanding with other state and Federal agencies.

The CMG applicable to the resource programs which may be affected by management decisions resulting from this RMP and a brief description of these resource programs include:

1. LANDS AND REALTY

FLPMA declares it is the policy of the United States that public land be retained in Federal ownership, unless disposal will serve the national interest. FLPMA further specifies, a disposal action may be initiated, if through land use planning, a tract is identified as difficult and uneconomic to manage as part of the public lands and is not suitable for management by another Federal department or agency.

Initial inventories conducted during the late 1970's indicated there were approximately 8,000 acres of public land remaining within the State of Oklahoma. These parcels, scattered across 42 counties, were small, isolated and management was of a custodial nature only. On February 25, 1982, the Director of the BLM changed the agencies direction for the State of Oklahoma from the posture of management and retention to focusing on disposal of the remaining public land within the State. In response to that decision, the BLM, Oklahoma Resource Area (ORA), divided the state into seven planning areas and prepared land use documents for proper land use allocation for each of the seven areas. From these planning documents, tracts were designated for disposal through sales, the Recreation and Public Purpose (R&PP) Act, and the Color-of-Title (COT) Act. The Director's guidance and the decisions resulting from the previous land use documents have been implemented and are nearing completion.

It was provided in the Act of May 2, 1890, since repealed, that patents for townsites shall contain a reservation for parks, schools and other public purposes and that patents shall be issued conveying these reservations to the towns when organized as municipalities. While conducting county records research for the aforementioned actions, it was discovered many of these reservations had never been patented. A subsequent review of available records revealed 33 tracts within 16 counties, containing approximately 367 acres which had been reserved in the original townsite patents remain unpatented. The status of these lands varies from abandoned townsites which have now been incorporated into adjoining agricultural lands to tracts presently used by the towns for a myriad of applications.

The Red River that forms Oklahoma's southern boundary has served as a political boundary since 1819 when it was negotiated as an international boundary between the United States and New Spain. It continued to serve as an international boundary as the land area south of the river changed to Mexico's ownership and finally Texas ownership. PD was identified along the Red River as an indirect result of discovery of oil along the riverbed. Ensuing disputes resulted in the State of Oklahoma filing suit against the State of Texas in the United States Supreme Court. The Supreme Court weighted its findings heavily on the Treaty of 1819, the memoirs of John Adams, and a treaty with the Kiowa, Comanche and Apache (KCA) tribes. Based upon the memoirs of Adams, the Supreme Court found the United States clearly intended all lands to the south bank to be a part of the United States. The treaty with the KCA's provided those tribes the territory north of the "middle of the main channel" of the Red River between the 98th Meridian and the North Fork of Red River. The Supreme Court further decided the Red River was not navigable and therefore, the State of Oklahoma did not own the riverbed. A supplemental decree stated PD existed only "between the 98th Meridian of West Longitude and the mouth of the North Fork". Even with this definite court decision, determining the precise limits of the boundary has not yet ended. Presently, there are Oklahoma and Texas Boundary Commissions specifically empowered to address a final resolution.
There may also be additional tracts of PD situated within the state which are presently unidentified due to deficiencies in existing land status records.

2. WILDLIFE

The BLM's wildlife management program activities in Oklahoma are limited to preparation of environmental analyses, Special Status Species (SSS) evaluations or clearances, wetland determinations and development of stipulations for impact avoidance or mitigation in the mineral development and lands initiatives.

Lease stipulations and notices, and conditions of approval (COA) of an Application for Permit to Drill (APD) deal with such issues and resources as SSS, wetland/riparian areas and migratory birds. Deaths of migratory birds in uncovered oil and gas fluids disposal pits have been documented in Oklahoma.

Federal minerals under private surface or Federal surface managed by another Federal agency or licensed by another Federal agency to a state or local agency for surface management purposes are the most common situations encountered in BLM's wildlife management program in Oklahoma. In these situations BLM's wildlife responsibilities in Oklahoma do not begin until a BLM mineral action (leasing and/or development) is proposed.

SSS include state and Federally listed Threatened and Endangered (T&E) plant and animal species, species proposed for listing and category 1 and 2 candidate species being reviewed by the USFWS. Agency coordination information indicates that there are currently 89 SSS in the state of Oklahoma.

SSS and other fish, wildlife and wetland/riparian resource concerns are addressed through site specific agency coordination in Oklahoma.

Coordination is initiated with the Oklahoma Natural Heritage Inventory (OKNHI) and if necessary with the USFWS and the Oklahoma Department of Wildlife Conservation (ODWC) regarding each site specific BLM project in Oklahoma. These agencies have provided information essential to the development of this RMP.

The Endangered Species Act (ESA), the Migratory Bird Treaty Act, the Bald Eagle Protection Act, BLM policies regarding protection of SSS and information received from the USFWS, ODWC, and the OKNHI have influenced the development and application of stipulations and lease notices. Lease notices are advisory in function and do not mandatorily require any action.

The objective of the BLM "Riparian Area Management Policy" is to maintain, restore, or improve riparian areas to achieve a healthy and productive ecological condition for maximum long-term benefits.

This BLM policy, EO 11988 (Floodplain Management) and EO 11990 (Protection and Management of Wetlands) result in wetland and riparian area management being of particular concern. Wetland-Riparian resource protection stipulations have been developed, and are presented as an integral part of the oil, gas and coal resource programs.

3. RANGE

There are four active grazing leases currently being administered in Oklahoma. Three of these grazing leases lie along the north bank of the Red River; two in Tillman County and one in Jefferson County. The fourth grazing lease is on the South Canadian River in Blaine County.

The public lands in the RRMA possess some value for livestock grazing. Maintaining fences and accounting for livestock during floods are some of the problems associated with livestock grazing in such a large

floodplain. In the absence of a well defined south bank (state line) the public lands are currently being grazed by livestock generally owned by Texas ranchers with private lands adjacent to the Red River public lands. Several grazing applications have been received for RRMA lands. However, no Section 15 grazing leases have been issued for any portion of the public lands which border the south bank of the Red River.

4. CULTURAL and PALEONTOLOGICAL RESOURCES

A cultural resource is defined as any cultural, archeological, historical, or architectural site, building, structure, District, or object. Cultural resources with a few exceptions are always over 50 years old; and can also be burials, sacred, or ceremonial sites presently used or considered important by Federally recognized Indian tribes.

The primary goal of the cultural resource program is to manage cultural resources on public lands in a manner that protects the cultural resources.

Protection of cultural resources is required by several Federal laws; including the National Historic Preservation Act of 1966 (NHPA) as amended, the Archeological Resources Protection Act of 1979 (ARPA), the American Indian Religious Freedom Act of 1978 (AIRFA), and FLPMA. All these laws provide for the protection and management of cultural resources.

These laws are implemented through Federal regulations, primarily 36 CFR 800, "Protection of Historic and Cultural Properties," which implements Section 106 of NHPA. These regulations as amended determine how the NHPA shall be followed by the Federal agencies, the State Historic Preservation Officers (SHPOs) and the Advisory Council on Historic Preservation. Two other key regulations are 43 CFR 7, which implements ARPA; and 36 CFR 60, which sets up the National Register of Historic Places.

When cultural resources are discovered they are evaluated under the criteria of eligibility of the National Register of Historic Places (36 CFR 60.4). Cultural resources listed or determined eligible for the National Register are protected and managed under BLM guidelines and procedures developed to comply with current laws and regulations.

Sacred tribal grounds or ceremonial sites considered important by federally recognized tribes are managed in accordance with AIRFA. At present AIRFA has no implementing regulations, and BLM consults with native Americans under ARPA regulations and 43 CFR 7. The Native American Grave Protection And Repatriation Act of 1990, (NAGPRA) requires consultations with a tribe that has cultural affiliation when human remains, associated and unassociated funerary objects, sacred objects, and objects of cultural patrimony are found during testing, excavations, or unexpected discoveries.

A key tool used by the BLM to manage the cultural resources is a varied intensity of inventory divided into three classes: Class I - Previously conducted inventory and literature search; Class II - Sampling field inventory (all sample units inventoried to a Class III level); and Class III - Intensive field inventory covers 100% of the area on foot. With only specifically defined exceptions in the BLM Cultural Resource Manual, the Class III inventory is required before any surface disturbance is allowed.

Cultural resource program involvement in split-estate minerals activities in Oklahoma consists of development of environmental analyses reports, site specific evaluations or inventories in support of mineral leasing, development of stipulations for impact mitigation or impact avoidance, and consultations with State agencies. Program involvement associated with mineral leasing under SMA properties is limited to coordination and consultation with the other Federal agencies and with state agencies.

At the present time 15 sites listed on the National Register of Historic Places are located on lands with Federal mineral estate in Oklahoma. A list of known archeological and historic sites occurring on lands with Federal mineral estate is maintained by the ORA. To prevent confusion on cultural reviews in this document a summary follows:

Cultural Resources in Oklahoma

-13,671 archeological sites recorded (4/1/92)
-809 properties or districts (4/1/92) listed on National Register of Historic Places
-15 National Register Sites located on Federal mineral estate
-0- National Register Sites on Federal coal tracts proposed for leasing in new coal development in 1992-1993
-9 Sites and 2 potential Historic Districts considered eligible for National Register located on Federal minerals
-95 (approximately) Sites or locations that have been recommended for evaluation or testing for eligibility to the National Register that are also on Federal minerals.

Paleontological Resources in Oklahoma

-240 recorded fossil localities in coal areas of S.E. Oklahoma
-60 (of the 240) localities are considered very significant
-9 (of these 60) localities are on Federal Mineral Estate
-2 (of the 9) localities are on federal coal tracts proposed for leasing in new coal development and require avoidance or mitigation

The BLM paleontological resource management program within Oklahoma includes the requirement that the BLM be notified, should paleontological resources be encountered during the conduct of BLM approved operations.

5. RECREATION RESOURCES

The BLM's recreation resources management program in Oklahoma consists of limited coal planning responsibilities in eastern Oklahoma and the responsibilities of planning for and management of recreation resources within the RRMA. Recreation values or components that are evaluated and discussed in any land use planning within the RRMA include: visual resource management, off-highway vehicle use designations, and the identification of areas with significant recreation resource values or potential conflicts with other resource uses. Because the actual location of most of the PD in the RRMA are unknown, recreation program efforts have been directed toward the identification of potential values rather than specific actions. The following recreation resource management program guidance applies to all PD under BLM administration.

As public land is identified it becomes available for dispersed recreation activities, including hunting, fishing, sightseeing, horseback riding, hiking, and rafting consistent with limitations necessary to meet other resource management objectives. Provision for opportunities accessible by car and close to population centers are emphasized.

There are no established National Back Country Byways within the Tulsa District. The use of off-road vehicles on BLM administered land along the RRMA is regulated in accordance with the authority and requirements of EO 11644 and 11989 and regulations contained in 43 CFR 8340. These regulations and EO require that off-road vehicle use not cause significant adverse impacts to resource values, that conflicts between visitors be minimized, and that public hazards are identified and public safety is promoted.

Wild and Scenic Rivers

The BLM uses a three-step Wild and Scenic Rivers study process. The first two steps, determining eligibility and potential classification, were completed in the fall of 1992. The third step, determining suitability, is being deferred until the boundary questions have been resolved. Final decisions concerning designation of Wild and Scenic Rivers are reserved by Congress.

Visual Resources

Visual Resource Management (VRM) is an analytical process that identifies, sets and meets the objective of maintaining scenic values and visual quality.

VRM classes and objectives as set forth below are used to classify the scenic qualities of landscapes and prescribe management guidelines as needed to achieve VRM objectives.

Class I. The objective of this class is to preserve the existing character of the landscape. This class provides for natural ecological changes; however, it does not preclude limited management activity. The level of change to the characteristic landscape should be very low and must not attract attention.

Class II. The objective of this class is to retain the existing character of the landscape. The level of change to the characteristic landscape should be low. Management activities may be seen, but should not attract the attention of the casual observer. Any changes must repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape.

Class III. The objective of this class is to partially retain the existing character of the landscape. The level of change to the characteristic landscape should be moderate. Management activities may attract attention but should not dominate the view of the casual observer. Changes should repeat the basic elements found in the predominant natural features of the characteristic landscape.

Class IV. The objective of this class is to provide for management activities that require major modification of the existing character of the landscape. The level of change to the characteristic landscape can be high. These management activities may dominate the view and be the major focus of viewer attention. However, every attempt should be made to minimize the impact of these activities through careful location, minimal disturbance and repeating basic elements.

6. SOIL, WATER and AIR; HAZARDOUS MATERIALS MANAGEMENT.

The soil, water and air (SWA) and hazardous materials management (HMM) programs direction and guidance within the planning area consist of application of Federal and State air quality laws, surface protection regulations, water quality regulations, BLM manuals and policy memoranda. The programs activities are limited to preparation of environmental analyses, evaluations of potential surface disturbing activities and development of stipulations for impact avoidance or mitigation in the mineral development and lands initiatives.

The BLM relies extensively upon the USDA Soil Conservation Service (SCS) soil survey program and its county publications when evaluating potential surface disturbing actions. Emphasis is placed upon prevention of surface degradation as well as mitigation and rehabilitation of surface damages.

SWA & HMM is accomplished by incorporation of site specific mitigation measures for each BLM authorized action or approval.

7. MINERALS

The BLM's responsibility for the management of the Federal government's mineral resources and the effect that management has upon the surface requires that all minerals management decisions and mineral resource allocations comply with both NEPA and CEQ guidelines.

Procedures for reviewing nominated oil and gas lease parcels vary depending upon the category of surface ownership. Proposals to lease split-estate minerals require the BLM to prepare a site specific environmental assessment and assure that necessary surface protection stipulations are attached to the lease. Procedures for leasing on other SMA minerals are similar to split-estate procedures except that the SMA is contacted for approval to lease and also for identification of specific agency surface protection stipulations. The Bureau is responsible for NEPA compliance documentation which could include preparing a site-specific environmental assessment that addresses the proposal.

Oil and gas lease operations are regulated by lease terms, Federal and State governmental regulations and special lease stipulations that may be attached to the lease to protect specific resource values identified in the environmental assessment or environmental impact statement process. All Federal oil and gas operations in Oklahoma are conducted following procedures established and presented in 43 CFR 3160.

Minerals program activities in Oklahoma typically involve on-site inspections such as before approving an Application for Permit to Drill (APD), Drilling Plan review, lease operations monitoring and regulation enforcement. A general description of Federal oil and gas lease operations and APD procedures is contained in Appendix 2.

Coal program activities in Oklahoma involve on-site inspections, production inspections, reclamation inspections and lease operation review.

There are approximately 370,000 acres of Federal coal in Oklahoma. Of these acres, approximately 48,050 acres are currently under lease. Following the Call For Coal Information published in the Federal Register [54 FR 5688 (1989)] and a public coal information meeting held in the town of Poteau in January 1992, approximately 173,300 acres in southeastern Oklahoma were identified by private industry for possible leasing.

RMP ACTIONS

The RMP is a comprehensive land use plan to guide future management of lands and resources.

The selected RMP is the "Proposed RMP" as described in the Proposed RMP/Final EIS.

The four Planning Issues addressed in the Oklahoma RMP include; (1) Oil and Gas Leasing and Development, (2) Coal Leasing, (3) Townsite Disposal and (4) Red River Management.

An analysis of the issues reveals that the issues themselves are non-interactive, i.e. generally do not compete for use of the same area or resource. This has resulted in the RMP being issue specific.

THE RMP FOR ISSUE 1. OIL AND GAS LEASING AND DEVELOPMENT:

Split-Estate Lands

All new oil and gas leases will be issued with STC. Stipulations required by law, regulation and BLM policy will be incorporated into each lease where those stipulations apply. In addition, this RMP will include optional stipulations where resource values exist that warrant special protection.

SMA Lands

All new leases would be subject to stipulations currently identified by the SMA. Additional stipulations will be

applied to these SMA lands where the BLM has determined that additional stipulations may be necessary to protect resource values warranting greater protection than provided by the SMA stipulations.

FEDERAL OIL AND GAS LEASE STIPULATIONS

A Federal oil and gas lease is a contract between the Federal government and an individual or corporation (lessee) which allows the lessee to extract oil and gas from the Federal mineral estate for a percentage (royalty) of the gross value. The terms of the lease are considered contractual obligations of the lessee and are standardized on all Federal oil and gas leases. The terms and conditions of an oil and gas lease provide general protection of surface and subsurface resources for normal operations and are known as STC. A copy of the STC of a Federal oil and gas lease are presented in Appendix 3. The Federal government also utilizes leasing stipulations to protect unique values or important resources when it is felt that the STC are not adequate.

Proposals to lease split-estate minerals require the BLM to prepare a site specific environmental analysis (EA) and assure that necessary surface protection stipulations are attached to the lease. Procedures for leasing on other SMA minerals are similar to split-estate procedures except that the SMA is contacted for consent to lease and also for identification of specific agency surface protection stipulations. Stipulations to a lease involve additional restrictions required of the lessee for conduct of operations on a lease. Stipulations are attached to a lease parcel at the time of competitive offering.

The Mineral Leasing Act for Acquired Lands, 30 U.S.C. 351, requires that the SMA stipulations must be included on a lease. Further, as presented in Title 43 CFR 3101.7-1 (a) "Acquired lands shall be leased only with the consent of the SMA, which upon receipt of a description of the lands from the authorized officer, shall report to the authorized officer that it consents to leasing with stipulations, if any, or withholds consent or objects to leasing." Additional, more restrictive stipulations can be added by the BLM. Specific BLM action in regard to SMA stipulations is mandated by 43 CFR 3101.7-2 (a) "Where the surface managing agency has consented to leasing with stipulations, and the Secretary decides to issue (a lease), the authorized officer shall incorporate the stipulations into any lease which it may issue. The authorized officer may add additional stipulations."

Exceptions to a lease stipulation, waiver of a lease stipulation or modification of a lease stipulation are explained in the Federal regulations at 43 CFR 3101.1-4. Generally, an exception, waiver, or modification may be approved if the record shows that circumstances or protected resource values have changed or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts, and that less restrictive stipulations will protect the public interest. Exceptions, waivers, and modifications can only be granted by the authorized officer. If the proposed exception, waiver, or modification is inconsistent with the land use plan, the plan will be amended or changed or the exception, waiver, or modification will be disallowed.

Exceptions are considered on a case by case basis and are subject to an EA. Exception to a leasing stipulation will be granted by the authorized officer if the reason for the exception is consistent with that analysis. No public notice is required for exceptions to lease stipulations which conform to the plan. Exceptions which do not conform to the plan may be granted only upon plan amendment and public notification.

A stipulation waiver is the complete elimination of a stipulation from a particular lease contract. A stipulation is waived by the authorized officer after preparation of an EA and a decision is made that the stipulation in question is no longer required for a particular lease. The decision to waive a substantial stipulation requires a plan amendment and a 30 day public notice period prior to waiver.

Modifications to a lease stipulation are made if and when resource management determines the stipulation is no longer effective as written. This situation could occur when new information indicates that the protective measure is unnecessarily restrictive. Modification of a stipulation requires the preparation of an EA to determine the potential impacts and/or plan amendment or maintenance needs. If the modification is determined to be substantial by the authorized officer, a 30 day public notice period prior to modifying the lease stipulation is required.

Stipulations attached to a lease as a condition of consent by a SMA are not subject to exception, waiver, or modification by the BLM.

BUREAU OF LAND MANAGEMENT STIPULATIONS

Stipulations utilized within the ORA include both mandatory and optional stipulations. A mandatory stipulation is one which addresses protection of a resource which the BLM is required by law, regulation or policy to protect, and which the BLM feels STC would not offer sufficient protection.

Mandatory stipulations include:

ORA-1, Floodplain Protection Stipulation

"All or portions of the lands under this lease lie in and or adjacent to a major watercourse and are subject to periodic flooding. Surface occupancy of these areas will not be allowed without the specific approval, in writing, of the Bureau of Land Management."

This stipulation is a result of EO 11988 Floodplain Management of May 24, 1977.

ORA-2, Wetland/Riparian Stipulation

"All or portions of the lands under this lease contain wetland and/or riparian areas. Surface occupancy of these areas will not be allowed without the specific approval, in writing of the Bureau of Land Management. Impacts or disturbance to wetlands and riparian habitats which occur on this lease, must be avoided or mitigated. The mitigation shall be developed during the application for permit to drill process."

The wetland/riparian stipulation is mandated by EO 11990 "Protection of Wetlands" of May 24, 1977.

Optional stipulations would be applied to protect a resource value or other land use which would be potentially impacted by normal oil and gas lease operations. These stipulations are optional in the sense that they are not mandated by law or regulation. They are used only when the value of the resource warrants protection.

These optional stipulations include:

ORA-3, Season of Use Stipulation

"Surface occupancy of this lease will not be allowed from _date__, through __date__, without the specific approval in writing, from the authorized officer of the Bureau of Land Management."

This stipulation restricts the time that the lessee can be on the lease for a period of more than 60 days. Most season of use restrictions involve wildlife seasonal use requirements or recreation use conflicts with drilling activities.

ORA-4, No Surface Occupancy

"Surface occupancy of this lease will not be allowed."

This stipulation prohibits surface use to protect a resource or use that is not compatible with oil and gas development. The tract could be leased for inclusion in a drilling unit and may be drilled directionally from an off-site location where occupancy is allowed.

NM-9, No Surface Occupancy/Pooling Purposes Only

This stipulation prohibits surface use as well as directional drilling into the Federal minerals. This stipulation is used to protect a resource or use that is not compatible with oil and gas development. The tract could be leased for inclusion in a drilling unit to meet an operators spacing requirements.

NM-10, Coal Protection

This stipulation requires that any Federal oil and gas operator must coordinate development with the Federal coal leasee. This stipulation is used to protect the value of the Federal coal resource.

LEASE NOTICES

A Lease Notice (LN) provides more detailed information concerning limitations that already exist in law, lease terms, regulations, or operational orders.

A LN also addresses special items the lessee should consider when planning operations, but does not impose new or additional restrictions. Lease Notices attached to leases should not be confused with NTLs--Notices to Lessees.

LN-1, Threatened and Endangered Species

"According to preliminary information all or portions of this lease area could contain Federal and/or state listed threatened or endangered species and/or their habitats. Any proposed surface disturbing activity may require an inventory and consultation with the U.S. Fish and Wildlife Service and/or the state wildlife agency. The consultation could take up to 180 days to complete. Surface occupancy could be restricted or not allowed as a result of the consultation. Appropriate modifications to the imposed restrictions will be made for the maintenance and operations of producing oil and gas wells."

LN-2, Oklahoma Department of Wildlife Conservation (ODWC) Owned and Managed Lands

The ODWC owns and manages the surface above all, or a portion, of this Federal lease. The lessee needs to be aware of the surface use requirements as presented in

ODWC documents G-12-82 and A-12 (appendix 3) which address regulations and a surface damage agreement to govern oil, gas and other mineral exploration and production on ODWC owned and managed lands.

CONDITIONS OF APPROVAL

Additional BLM requirements to protect a resource or value that do not affect the lessee's rights or restrict location on the lease can be imposed as a condition of approval of the APD.

One such condition utilized to protect migratory birds is as follows:

"All open pits and tanks being used in conjunction with the development of this lease will be covered until they are removed and/or filled and reclaimed. The recommended coverings include hard covers or a screen material of small enough mesh size so as to prevent the entry and the death of migratory birds. The U.S. Fish and Wildlife Service, Division of Law Enforcement has prepared materials which provide more detailed guidelines for covering oil field pits and tanks."

SURFACE MANAGEMENT AGENCY STIPULATIONS

Federal mineral resources under SMA lands within Oklahoma are subject to each SMA's specific leasing stipulations. Copies of the SMAs' oil and gas leasing stipulations are contained in Appendix 3. Generally, these SMA stipulations can be divided into three categories; no surface occupancy (NSO) with no directional drilling allowed (NSO/ND); NSO with directional drilling (NSO/DD), and NSO described by elevation or surface use if suitable non-agency lands are included in the same drilling unit (NSO/ELEV). The SMAs normally base lease stipulations on the surface land use or allocation at the particular site or installation.

NSO/ND, No Surface Occupancy and No Drilling

This stipulation, common to the COE and the BR, is designed to protect facilities such as dams, embankments and other areas from damage by oil and gas operations. This stipulation prohibits surface occupancy and directional drilling by the lessee under restricted areas. This stipulation allows the identified area to be included in a lease for the purpose of becoming a part of a drilling unit (pooling) so that the United States will share in the royalty.

NSO/DD No Surface Occupancy, Open for Directional Drilling

This stipulation is used by all SMAs to protect surface resource values and uses from drilling activities. This stipulation is applied to public use areas, recreation areas, state wildlife and waterfowl refuges, historical sites, trails, roads and military training areas. Directional drilling is permitted from outside the identified areas where occupancy is allowed.

NSO/ELEV. No Surface Occupancy based on Elevation

This stipulation is used by the COE in combination with, "No drilling on Government owned surface where alternative surface ownership is available within the same drilling unit" to protect the integrity of their reservoirs at a specific level based upon lake elevation. Normally, this stipulation is subject to negotiation between the SMA and the lessee at the time of operational plan development.

Additional stpulations from SMAs which are addressed in this RMP are contained in appendix-3 and include:

Oklahoma State University (OSU) stipulations (OSU-1 and OSU-2) on Federal grant lands (identified as split-estate in appendix-1) as well as ODWC land use requirements for conservation lands over Federal minerals.

A summary of stipulation application for the RMP is presented on Table 1.

TABLE 1. PAGE 1

FEDERAL LANDS OPEN FOR OIL & GAS LEASING WITH STIPULATIONS

SMA PROJECT	AREA ACRES	NSO ND	NSO DD	NSO ELEV.	ORA1 FLPLN	ORA2 WET	ORA3 TIME	ORA4 NSO	LN-1 T/E
Broken Bow	28,113	1,000	18,000	18,000					
Canton	19,795	1,500	15,710	15,710					
Chouteau(L&D)	100	100							
Copan	11,975	700	11,975	11,975					
Eufaula	153,387	1,200	143,000	143,000					
Fort Gibson	72,358	500	51,000	51,000					
Fort Supply	8,079	1,080	5,730	5,730					
Great Salt Plains	1,000	1,000	--	--					
Heyburn	7,315	300	3,740	3,740					
Hugo	38,536	1,200	34,490	34,490					
Kaw	32,250	500	24,000	24,000					
Keystone	29,558	500	25,000	25,000					
Newt Graham (L&D)	200	200							
Oologah	50,150	500	56,800	56,800					
Optima	2,300	300	2,000						
Pine Creek	26,179	2,050	17,230	17,230					
Robert S. Kerr	56,739	750	43,800	43,800					
Sardis	21,674	1,300	16,960	16,960					
Tenkiller Ferry	30,718	300	20,800	20,800					
Texoma	122,000	4,250	85,500	85,500					

TABLE 1 PAGE 2

FEDERAL LANDS OPEN FOR OIL & GAS LEASING WITH STIPULATIONS

SMA PROJECT	AREA ACRES	NSO ND	NSO DD	NSO ELEV.	ORA1 FLPLN	ORA2 WET	ORA3 TIME	ORA4 NSO	LN-1 T/E
W.D. Mayo (L&D)	100								
Waurika	21,055	1,600	15,000	15,000					
Webbers Falls	15,988	500	11,600	11,600					
Wister	39,170	550	23,070	23,070					
Total TD COE	788,739	21,880	625,405	623,405					
Altus	10,500	7,650	2,000	6,800					
Fort Cobb	8,648	6,980	1,668	5,980					
Foss	6,500	6,500	500	6,500					
McGee Creek	27,200	13,000	4,800	13,000					
Mountain Park (Tom Steed)	11,840	9,400	800	7,130					
TOTAL BR	64,688	43,530	9,768	39,410					
Fort Sill	94,220								
McAlester AAP	44,956								
Camp Gruber	33,000								
TOTAL MILITARY	172,176								
USDA, ARS	2,000	2,000							
Split-Estate	519,252				212,809	415,142	60,875	3,269	278,887
TOTAL (ALL)	1,546,855	67,410	635,173	662,815	212,809	415,142	60,875	3,269	278,887

PLAN APPLICATION

All Federal minerals within the planning area have been evaluated using the previously described criteria and management guidance. The following description is presented by specific location and includes a short description of how the RMP guidance applies to each location. The SMA lands are grouped according to agency jurisdiction, the split-estate lands are grouped by county and described in Appendix 1.

Federal minerals closed to leasing within Oklahoma are listed in Table 2.

TABLE 2 FEDERAL MINERAL ESTATE CLOSED TO OIL AND GAS LEASING IN ACRES AS OF 1993

PROJECT/AREA	SMA	ACRES
Arcadia Lake	COE	5,078
Chickasaw NRA	NPS	8,500
Wichita Mt. NWR	FWS	60,000
Washita NWR	FWS	8,200
Optima NWR	FWS	11,000
Tishimingo NWR	FWS	13,450
Great Salt Plains NWR	FWS	32,324
Sequoyah NWR	FWS	20,800
Thunderbird	BR	12,300
Tinker AFB	USAF	4,400
Altus AFB	USAF	2,800
Vance AFB	USAF	2,080
USDA (various)	ARS	8,000
TOTAL		188,932

Reasons for a SMA to withhold consent to lease vary from agency to agency however, 43 CFR 3100 specifically identifies U.S. Wildlife Refuges, National Park Lands, and areas within city limits as excluded from leasing. The fact that all acquired Federal lands in Oklahoma were obtained for a purpose other than mineral leasing, and that mineral leasing and development may not be compatible with the reason for acquisition, is sufficient to withhold consent. Additionally, it should be pointed out that while these areas are closed to leasing, if Federal mineral estate is being drained by adjacent oil and gas activities, the Federal mineral estate being drained could be leased for inclusion in a unit for royalty purposes.

SPECIFIC SITE DESCRIPTIONS

The following descriptions of the various SMA projects are general and brief. A series of corresponding maps of each SMA project follows each SMAs section.

Bureau of Reclamation Projects

Oil and gas leasing stipulations for the following reservoir sites are contained in the BR GP-135 Special Stipulations document which is contained in Appendix 3. The GP-135 stipulations provide for protection of BR projects by use of buffer zones which prohibit occupancy and/or drilling for a specific distance. Maximum project protection is provided by the use of NSO/ND to within 1000 feet under the Maximum Water Surface (MWS) by elevation as defined in Standing Operating Procedures of BR, or to within 2,000 feet under dam embankments and appurtenance structures, outlet works , spillways, etc., or to within one-half mile (2640 feet) of the centerline of any tunnel. Should the maximum project protection stipulation be waived by the BR, additional restrictions protect recreational developments, wildlife habitats, project facilities and water supplies by creating a NSO/DD buffer ranging from 200 to 500 feet around these areas.

Stipulations protecting special wildlife habitats or significant surface resources have been identified by project site. The overlapping buffer zones identified for each surface resource results in stipulation acreage greater than the projects total.

In all cases, GP-135 requires a site specific surface use plan approved by the BR Regional Director prior to any lease development. Whenever a conflict occurs concerning the applicability of a BR stipulation, the more restrictive stipulation will apply.

Altus Dam and Reservoir	(Map 2-1)
Project area (acres)	12,875
Land allocations	
Recreation	3,619
Wildlife Mgt.	2,478
Operations	203
Water/ surface area	6,575

Description

The Altus Dam and reservoir is located on the North Fork of the Red River in Greer County about 18 miles north of the City of Altus in southwestern Oklahoma. The project consists of Altus Dam as well as a series of irrigation canals and diversions . The project provides municipal and industrial water for Altus, agricultural irrigation water, recreation, fish and wildlife conservation and water quality benefits.

Quartz Mountian State Park and Resort is located on the west edge of the lake and provides considerable outdoor recreation including a lodge, swimming pools, tennis courts and a golf course.

SMA Lease Stipulations
NSO with no drilling on 12,875 acres at MWS elevation 1,564 feet plus a 1,000 foot buffer as well as a 2,000 foot buffer surrounding the operations facilities.

Should BR project lands at Altus lake be available for lease, stipulations as described above would apply.

Fort Cobb Dam and Reservoir
(Map 2-2)

Project area (acres)	8,648
Land allocations	
Recreation	2,120
Wildlife Mgt.	1,917
Operations	513
Agri.Res. (OSU)	115

Description
Fort Cobb Dam is located on Pond Creek about 5 miles north of the town of Fort Cobb in Caddo County. The project is within the Washita River Basin. The project was constructed for flood control, municipal and industrial water supply, recreation and wildlife. Recreation at Fort Cobb Lake includes camping, swimming, boating, fishing, hunting as well as a golf course operated by the State of Oklahoma within Fort Cobb State Park. Oklahoma State University operates an Agricultural Experiment Station at Fort Cobb Reservoir. Fort Cobb Public Hunting Area consists of 3,500 acres of rangeland and abandoned agricultural fields covered in oak thickets. Wildlife species include Bobwhite quail, rabbit, squirrel, dove, deer, turkey and numerous nongame species. The area is also known as providing the worlds largest crow roost in winter months.

SMA Lease Stipulations
NSO/ND on approximately 8,648 acres associated with the dam and its 2,000 foot buffer and the reservoir at MWS elevation 1,374 feet and its associated 1,000 foot buffer.

Should BR project lands at Fort Cobb lake be available for lease, stipulations as described above would apply.

Foss Reservoir (Map 2-3)

Project area (acres)	15,831
Land allocations	
Recreation	1,556
Wildlife Mgt.(NWR)	8,271
Operations	912

Description
Foss Dam is on the Washita River approximately 15 miles west of Clinton in Custer County. The reservoir provides municipal and industrial water supply, flood control, recreation and fish and wildlife habitat. Principal recreational activities include camping, fishing, swimming, boating, water skiing and waterfowl hunting. The Washita NWR is situated in the upper half of the project and consists of over 8,200 acres.

SMA Lease Stipulations
NSO/ND on approximately 7,560 acres within 2,000 feet of the dam, spillway and canal works and within 1,000 feet of the MWS at elevation 1,691 feet. The 8,200 acres within the NWR are closed to mineral leasing (Table 2-3).

Should BR project lands at Foss Reservoir outside of the NWR be available for lease, stipulations as described above would apply.

McGee Creek Reservoir (Map 2-4)

Project area (acres)	29,940
Land allocations	
Recreation	12,610
Wildlife Mgt.	10,000
Natural Area	8,900
Operations	500

Description
McGee Creek Dam and Reservoir is located on McGee Creek, a tributary of Muddy Boggy Creek of the Red River approximately 15 miles southeast of the city of Atoka in Atoka County. This newest of Oklahomas' major reservoirs was constructed to provide municipal and industrial water supply, flood control for the protection of downstream areas, and recreation and fish and wildlife benefits. The lower portion of the reservoir was cleared to provide for the protection of water skiers and boaters while the upper portion was left forested and uncleared to provide wildlife and fish habitat. The Bugaboo Canyon Natural Scenic Area is situated in the northeast of the project and the northwest project area has been designated as a Wildlife Management Area.

With the exception of the minerals around the dam and dike area and a few other isolated areas, the minerals at this project were not acquired by the Federal Government. Stipulation acreage calculations are based upon surface ownership and would not apply were non-Federal minerals occur.

SMA Lease Stipulations
NSO/ND on approximately 975 acres around the dam, dike and permanent structures.

Should BR project lands at McGee Creek Reservoir be available for lease, stipulations as described above would apply.

Mountain Park Dam/Tom Steed Reservoir
(Map 2-5)

Project area (acres)	11,800
Land allocations	
Recreation	1,000
Wildlife Mgt.	3,000
Operations	400

Description

Mountain Park Dam and Tom Steed Reservoir is located on Otter Creek approximately 3 miles north of the town of Mountain Park in Kiowa County. The Mountain Park Project provides a supplemental municipal and industrial water supply to several southwestern Oklahoma cities. The project also provides flood control, recreation and fish and wildlife habitat. The State of Oklahoma is involved in the management of recreation and fish and wildlife interests at the reservoir.

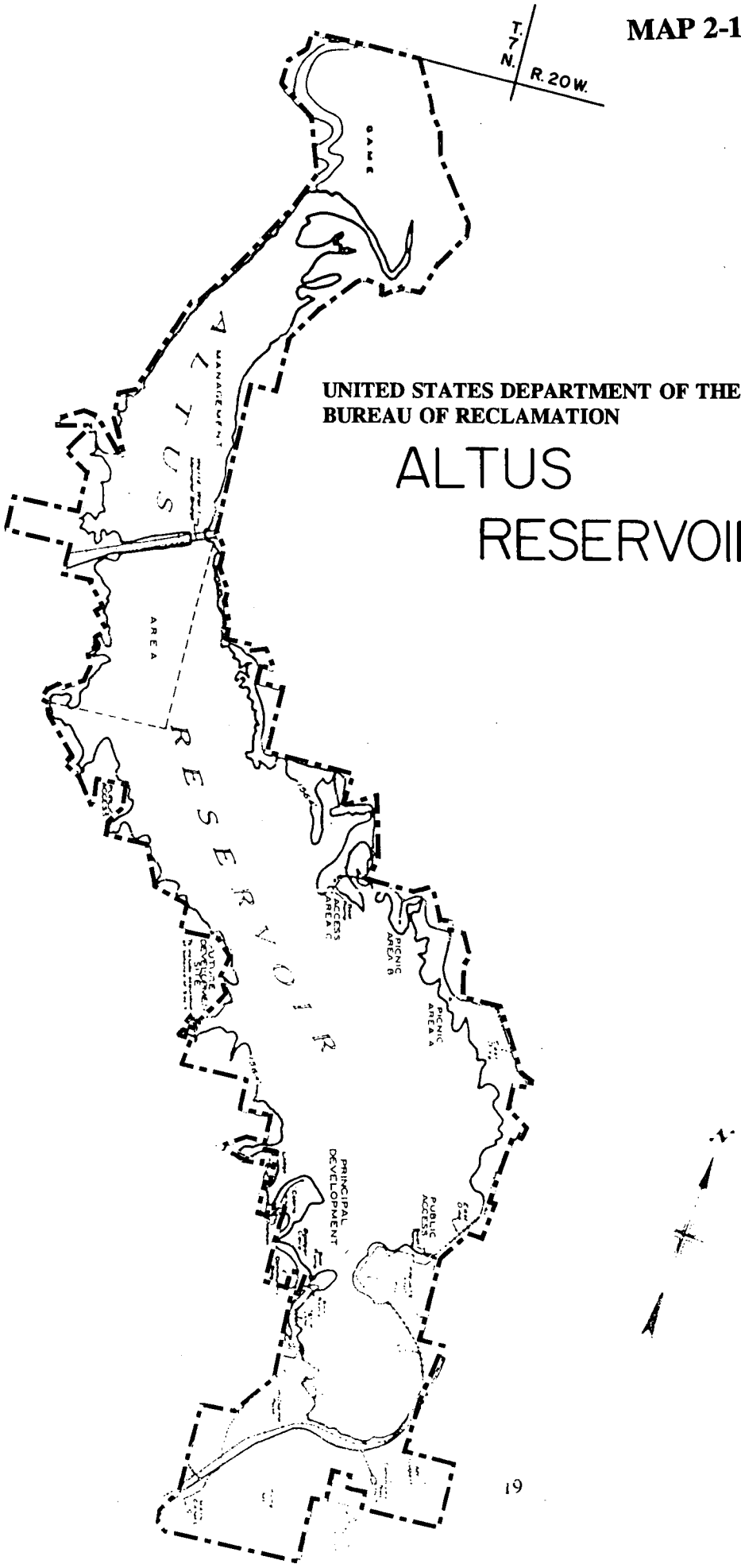
Recreation opportunities at Tom Steed Reservoir include picnicking, camping, swimming, boating, fishing, and other related activities.

SMA Lease Stipulations

NSO/ND on approximately 11,800 acres associated with the dam and spillway and a 2,000 foot buffer as well as the 1,000 foot buffer surrounding the reservoir at MWS elevation 1,423 feet.

Should BR project lands at the Mountain Park Project be available for lease, stipulations as described above would apply.

MAP 2-1



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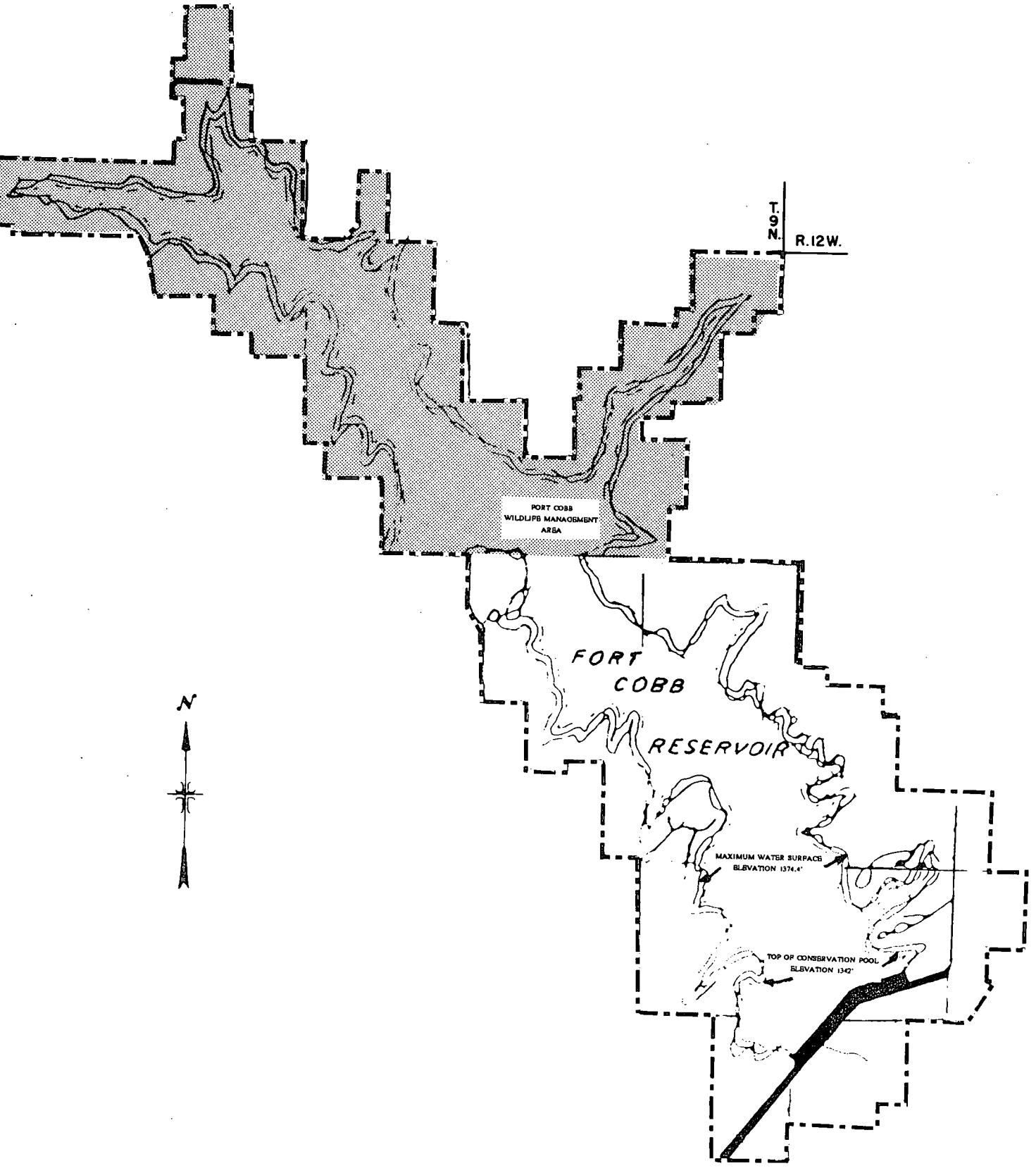
MAP 2-2



MAP 2-3

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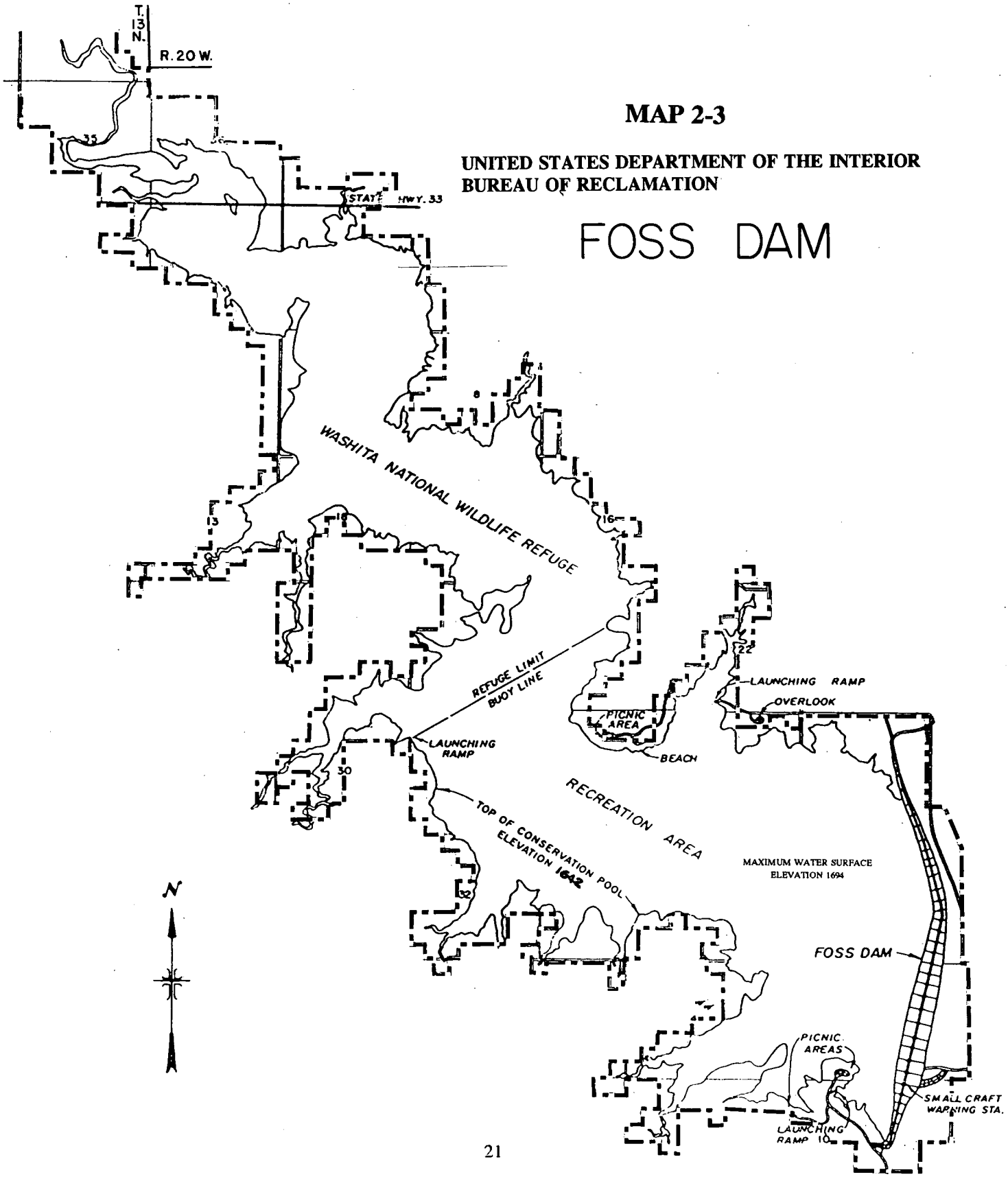
FOSS DAM



MAP 2-4

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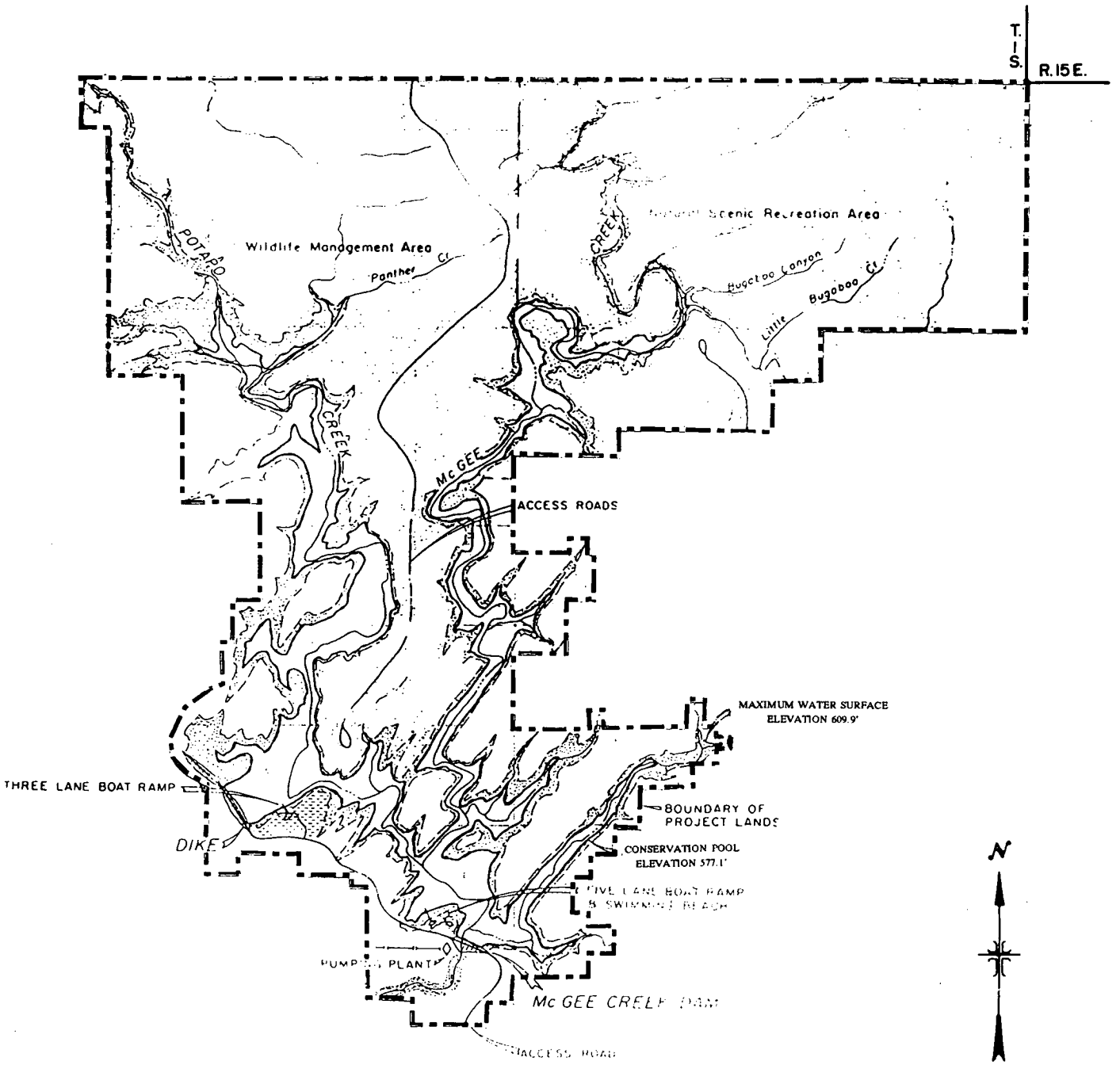
McGEE CREEK



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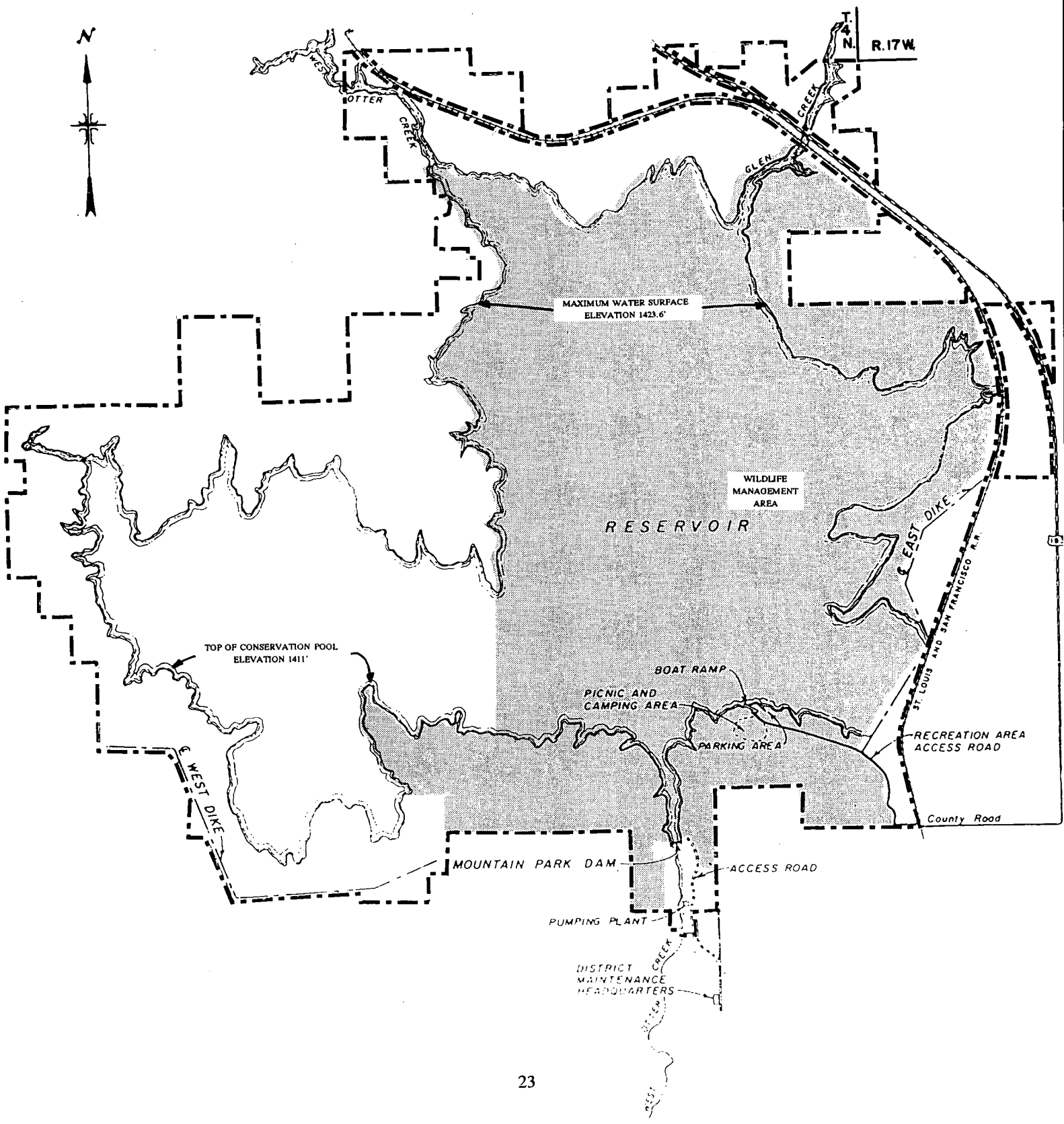
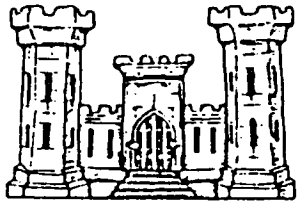
MOUNTAIN PARK

MAP 2-5





US Army, COE, Tulsa District Projects

Oil and gas leasing stipulations for the Tulsa District COE projects are contained within the District's Special Stipulations 1-A, a copy of which is contained in Appendix 3. These 1-A stipulations provide for the protection of surface resources through the use of surface occupancy restrictions, drilling restrictions or consultation requirements with authorized surface lessees. Generally, 1-A requires NSO or directional drilling within 2,000 feet under restricted areas. Restricted areas include the major structures such as the dam, spillways, embankments, etc. All existing or proposed public use areas, recreation areas, wildlife and waterfowl refuges, historical sites, and hiking or horseback trails are designated NSO. The 1-A stipulations are standardized and apply to all Tulsa District projects.

McCLELLAN-KERR ARKANSAS RIVER NAVIGATION PROJECT

In Oklahoma this riverine navigation system consists of five distinct projects, encompassing approximately 84,000 acres of Federal lands. These projects are: (1) the Newt Graham L&D,(2) the Chouteau L&D, (3) Webbers Falls L&D, (4) Robert S. Kerr L&D and Reservoir and (5) the W.D. Mayo L&D. Mineral ownership within the McClellan-Kerr Arkansas River Project is in most cases limited to acquisition under project facilities and administration sites. Mineral ownership under the navigation channel and Webbers Falls and Kerr reservoirs was generally subordinated to the rights of the government to operate the navigation system. In areas of major structures and some public use areas minerals were acquired to protect the surface from entry and development.

OSAGE COUNTY

All minerals on COE lands within Osage county are owned and administered by the Osage Indian Tribe and are not subject to this Land Use Plan.

BROKEN BOW LAKE (Map 2-6)

Project Area	28,100 acres
Operations	460 acres
Recreation	4,321 acres
Recreation (low density)	3,700 acres
Wildlife Mgmt. (ODWC)	3,429 acres

Description

Broken Bow Lake is located in the southeastern portion of Oklahoma in the southerly foothills of the Ouachita Mountains in McCurtain County. The damsite is on the Mountain Fork River approximately nine miles northeast of the town of Broken Bow. Broken Bow dam provides flood control, hydroelectric power, water supply, and recreation. The lake is an irregularly shaped, deep body of water extending up the valley of the Mountain Fork River. Nine public use areas are located at Broken Bow, recreation facilities at these areas include access roads, golf course, paved parking areas, boat launching ramps, marina, picnic tables, refuse containers, fireplaces, individual campsites, and sanitary trailer dump stations. A fish and wildlife management plan has been developed by the Tulsa District for Broken Bow Lake. The ODWC has obtained a license for 5,420 acres of land at the Broken Bow project to be used for wildlife conservation and management. At flood control elevation 627.5 mean sea level (MSL), there are 1,368,800 acre-feet of water storage and a surface area of 18,000 acres.

SMA Lease Stipulations

NSO/ND on approximately 1,000 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 18,000 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Broken Bow Lake be available for lease, stipulations as described above would apply.

CANTON LAKE (Map 2-7)

Project area	19,800 acres
Operations	578 acres
Recreation	565 acres
Wildlife Mgmt.	16,615 acres

Description

Canton Lake is located in portions of Blaine and Dewey Counties, Oklahoma. The damsite is on the North Canadian River about two miles north of the town of Canton. At top of conservation pool elevation 1615.2 MSL the lake has 97,900 acre-feet of water storage with a surface area of 7900 acres and a shoreline length of 45 miles. Total acreage of project lands is 19,794 acres of which 19,595 acres are fee lands. Six public use areas are located at Canton, recreation facilities at these areas

include access roads, paved parking areas, boat launching ramps, picnic tables, refuse containers, fireplaces, individual campsites, and sanitary trailer dump stations, 16,775 acres of project lands at Canton Lake are managed by ODWC for wildlife management purposes.

SMA Lease Stipulations

NSO/ND on approximately 1,500 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 15,710 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Canton Lake be available for lease, stipulations as described above would apply.

CHOUTEAU LOCK AND DAM (Map 2-8)

Project Area	6,781 acres
Navigation Pool	2,220 acres
Wildlife Mgmt.	1,990 acres
Recreation	5,063 acres

Description

The Chouteau Lock and Dam are located on the Verdigris River approximately four miles northwest of the town of Okay. The navigation pool formed by the dam extends approximately 18 miles upstream to the Newt Graham facility. Approximately 2,200 acres of land and water are designated wildlife habitat and an additional 1,270 acres are under agricultural lease. Only a small area of minerals around the project structure were acquired.

SMA Lease Stipulations

NSO/ND on approximately 100 acres associated with the structure of the lock and dam and a buffer.

Should COE project lands at Chouteau Lock and Dam be available for lease, stipulations as described above would apply.

COPAN LAKE (Map 2-9)

Project Area (Oklahoma)	13,300 acres
Operations	312 acres
Recreation	607 acres
Recreation (low density)	263 acres
Wildlife Mgmt.	7,624 acres

Description

Copan Lake is located on the Little Caney River approximately two miles west of the town of Caney in Washington County. Approximately 10% of the project is within the State of Kansas and addressed by the Kansas RMP/EIS the remaining 90% is within Washington County. The project was constructed for flood control, municipal water supply, water quality protection, recreation and wildlife habitat. At conservation pool elevation 710 feet MSL there are 43,400 acre-feet of water storage, 30 miles of shoreline and a surface area of 4,850 acres. At flood control pool elevation 732 feet MSL there are 227,700 acre-feet of total storage and a surface area of 13,380 acres. There are four designated public use areas at Copan.

SMA Lease Stipulations

NSO/ND on approximately 700 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 11,975 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Copan Lake be available for lease, stipulations as described above would apply.

EUFAULA DAM and LAKE (Map 2-10a,b,c,d)

Project Area	153,400 acres
Operations	84 acres
Recreation (high density)	10,810 acres
Recreation (low density)	18,584 acres
Wildlife Mgmt.	29,915 acres

Description

Eufaula dam located on the Canadian River 12 miles east of the town of Eufaula, impounds a lake that covers 102,500 acres at top of the power pool. The lake extends up the Canadian, North Canadian, Deep Fork rivers and Gaines Creek and into numerous minor tributaries to form a very irregular shoreline. The lake principally lies in McIntosh, Haskell, Pittsburg and Okmulgee Counties, but also extends into small areas of Muskogee and Latimer Counties. In addition to providing flood control, power, water supply and recreational benefits, the dam aids the Arkansas River Navigation System by assisting in maintaining regulated flows of water releases from the generation of hydroelectric power. The Oklahoma Redevelopment Authority has been granted a 50-year lease to 5,056

acres of public land for the purpose of developing two large state parks, Fountainhead State Park and Arrowhead State Park.

SMA Lease Stipulations

NSO/ND on approximately 1,200 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 143,000 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Eufaula Lake be available for lease, stipulations as described above would apply.

FORT GIBSON LAKE	(Map 2-11)
Project area	72,358 acres
Operations	80 acres
Recreation	7,767 acres
Recreation (low density)	25,343 acres
Wildlife Mgmt. (ODWC)	19,020 acres

Description

Fort Gibson Lake is located in portions of Wagoner, Cherokee, and Mayes Counties, Oklahoma. The dam site is on the Grand (Neosho) River approximately eight miles above its confluence with the Arkansas River and about five miles north of the town of Fort Gibson.
The authorized purposes are flood control, hydroelectric power, water supply and recreation. Water stored for power generation at elevation 554.0 MSL creates a lake area of 19,900 acres, a volume of 365,200 acre-feet and a shoreline of 225 miles. An additional capacity of 919,200 acre-feet (51,000 surface acres at elevation 582.0 MSL) is available for storage of floodwater.

Project lands above the power pool are utilized for recreation, project operations, fish and wildlife management, and agriculture and grazing. At the Fort Gibson project the Oklahoma Tourism and Recreation Department (OTRD) has a lease of 3,806 acres for two state park areas. An area of 53 acres is licensed to the city of Wagoner and an area of 491 acres is leased to the city of Pryor for city parks. Approximately 21,798 acres of wildlife management lands are administered by the ODWC.

SMA Lease Stipulations

NSO/ND on approximately 500 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 51,000 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Fort Gibson Lake be available for lease, stipulations as described above would apply.

FORT SUPPLY LAKE	(Map 2-12)
Project area	8,080 acres
Operations	144 acres
Recreation	542 acres
Wildlife Mgmt. (ODWC)	5,573 acres

Description

Fort Supply Lake is located in Woodward County, Oklahoma. The damsite is on Wolf Creek, a tributary of the Canadian River, approximately one mile south of the town of Fort Supply. At conservation pool elevation 2,004 MSL there are 14,600 acre feet of water storage, 26 miles of shoreline and a surface area of 1,850 acres. At flood control pool elevation 2,028.0 MSL there are 101,800 acre-feet of total storage and a surface area of 5,730 acres. The lake is approximately one mile wide near the dam and extends upstream approximately four miles. The shoreline is comparatively regular and unbroken by tributary streams. There are four designated public use areas at Fort Supply and an ODWC managed Wildlife management area of 5,550 acres.

SMA Lease Stipulations

NSO/ND on approximately 1,080 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 5,730 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Fort Supply Lake be available for lease, stipulations as described above would apply.

GREAT SALT PLAINS LAKE (Map 2-13)

Project area	31,935 acres
Operations	100 acres
Recreation (State Park)	684 acres
Wildlife Mgmt. (NWR)	22,795 acres

Description

The Great Salt Plains project is located approximately two and one-half miles southeast of the town of Vining, and thirty miles north-west of the city of Enid on the Salt Fork of the Arkansas River. All of the project is located in Alfalfa County. At conservation pool elevation 1,125.0 MSL, there are 37,500 acre-feet of water storage, 44 miles of shoreline, and a surface area of 8,890 acres. The lake extends seven miles upstream from the dam, forming a comparatively symmetrical fan-shaped lake. The Great Salt Plains NWR, administered by the USFWS covers 22,795 acres of the reservoir area. Administration of the remaining reservoir area is under jurisdiction of the COE; of which 840 acres is leased to the OTRD.

SMA Lease Stipulations

NSO/ND on approximately 1,000 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 31,935 acres as buffers to the NWR, recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Great Salt Plains Lake be available for lease, stipulations as described above would apply.

HEYBURN LAKE (Map 2-14)

Project area	7,315 acres
Operations	180 acres
Recreation (high density)	779 acres
Recreation	294 acres
Wildlife Mgmt. (ODWC)	5,091 acres

Description

Heyburn Lake lies in the sandstone hills of the Osage Central Lowlands in Creek County. The dam site is on Polecat Creek, a tributary of the Arkansas River, approximately 9 miles northeast of the town of Bristow. At conservation pool, elevation 761.5 MSL, there are 8,200 acre-feet of water storage, 40 miles of shoreline, and a surface of 980 acres. At flood control, elevation, 784 MSL, there are 49,100 acre-feet of flood storage and a surface area of 3,700 acres. At the Heyburn project, 4,600 acres of public lands have been licensed to the ODWC as a public hunting area.

SMA Lease Stipulations

NSO/ND on approximately 300 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 3,740 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Heyburn Lake be available for lease, stipulations as described above would apply.

HUGO LAKE (Map 2-15)

Project Area	38,536 acres
Operations	354 acres
Recreation (high density)	4,682 acres
Recreation (low density)	2,345 acres
Wildlife Mgmt.	17,851 acres

Description

Hugo Lake is located on the Kiamichi River approximately seven miles east of the town of Hugo in Choctaw County. The project was constructed for flood control, water supply, water quality protection, recreation and wildlife habitat. At flood control elevation 437.5 MSL the lake has a capacity of over 966,700 acre-feet and a surface area of over 34,490 acres. The lake created by the dam has a conservation pool shoreline of over 110 miles and provides outdoor recreational activities including water sports, camping, hiking, hunting and sightseeing. The region around the Lake is characterized by hardwood forests of silver maple, ash, hackberry, sycamore, hickory, and oaks.

There are eight designated public use areas at Hugo and an ODWC managed wildlife management area of over 18,196 acres.

SMA Lease Stipulations

NSO/ND on approximately 1,200 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 34,490 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Hugo Lake be available for lease, stipulations as described above would apply.

KAW LAKE	(Map 2-16)
Project Area	49,623 acres
Operations	10 acres
Recreation (high)	4,411 acres
Recreation (low)	7,884 acres
Wildlife Mgmt.	20,596 acres

Description

Kaw Dam and Lake is situated on the Arkansas River about eight miles east of Ponca City. The purposes of Kaw Dam and Lake are flood control, water supply, hydroelectric power, and navigation. At conservation pool elevation, 1,010 feet MSL, there are 428,000 acre-feet of water stored, 17,040 surface acres, and a shoreline of 168 miles. At flood control pool elevation 1,044 feet MSL, there are 1,348,000 acre-feet of water stored, and 38,020 surface acres. Approximately 30% of the project area is situated within Osage County and is not under the jurisdiction of the DOI (see page 29 above), 5% of the project is within the State of Kansas and addressed by the Kansas RMP/EIS and the remaining 65% is within Kay County.

There are twelve designated public use areas at Kaw as well as a state waterfowl refuge and 16,254 acre wildlife management area administered by ODWC.

SMA Lease Stipulations

NSO/ND on approximately 500 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 24,000 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Kaw Lake be available for lease, stipulations as described above would apply.

KEYSTONE DAM and LAKE	(Map 2-17)
Project area	49,313 acres
Operations	232 acres
Recreation (high)	5,700 acres
Recreation (low)	9,591 acres
Wildlife Mgmt.	18,359 acres

Description

Keystone Dam is located on the Arkansas River approximately 14 miles west of the city of Tulsa. The purposes of Keystone Dam and Lake are flood control, water supply, hydroelectric power, and navigation. At conservation pool elevation, 723 feet MSL, there are 663,000 acre-feet of water stored, 26,300 surface acres, and a shoreline of 330 miles. At flood control pool elevation 754 feet MSL, there are 1,879,000 acre-feet of water stored, and 55,400 surface acres. Approximately 40% of the project area is situated within Osage County and is not under the jurisdiction of the DOI, the remaining 60% is within Tulsa, Pawnee and Creek Counties. The lake is roughly in a "V" shape formed by two major arms of the Arkansas and Cimarron Rivers. The shoreline is irregular with many small curves and the banks vary from gentle slopes to steep bluffs.

Eighteen public use areas are located in the lake area and one site provides access below the dam. Fourteen sites are administered and developed by the COE, three areas, Feyodi Bay, Keystone Park, and Walnut Creek, are managed by the State of Oklahoma. Two areas, Cedar Creek Bay and the East Levee area are managed by the City of Cleveland, Oklahoma. The city of Sand Springs, Oklahoma maintains the Re-regulating Park located at the Re-regulating Dam. These facilities include some or all of the following: access roads, paved parking areas, boat launching ramps, waterborne or masonry vault toilets, potable water, picnic tables, refuse containers, fireplaces, individual campsites, electrical hookups, and sanitary trailer dump stations.

SMA Lease Stipulations

NSO/ND on approximately 500 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 25,000 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Keystone Lake be available for lease, stipulations as described above would apply.

NEWT GRAHAM LOCK AND DAM	(Map 2-18)
Project Area	3,900 acres
Navigation Pool	1,500 acres
Operations Area	110 acres
Recreation	2,350 acres
Industrial	720 acres

Description

The Newt Graham L&D is located on the Verdigris River approximately seven miles south of the town of Inola. The navigation pool created by the dam extends upstream approximately 25 miles to the head of navigation at the Port of Catoosa.

SMA Lease Stipulations

NSO/ND on approximately 200 acres associated with the structure of the lock and dam and a buffer. NSO on approximately 3,900 acres as buffers to the navigation chanal, roads, trails and other developments, and within the identified flood pool.

Should project lands at Newt Graham L&D be available for lease, stipulations as described above would apply.

Oologah Lake (Map 2-19)

Project Area	50,150 acres
Operations	320 acres
Recreation (high Density)	2,440 acres
Wildlife Mgmt. (ODWC)	12,941 acres
Wildlife Mgmt. (COE)	4,990 acres

Description

Oologah Dam is located on the Verdigris River about 2 miles southwest of the town of Oologah. The project provides flood control, municipal and industrial water supply, navigation, hydroelectric power (deferred), and wildlife habitat. There are four public-use areas and one State Park that furnish water-oriented recreation opportunities for boating, picnicking, camping, fishing, and swimming. Areas not utilized for project operations have been made available to the ODWC for wildlife management purposes. The OTRD has a lease of 823 acres for a state park.

SMA Lease Stipulations

NSO/ND on approximately 500 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 56,800 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Oolagah Lake be available for lease, stipulations as described above would apply.

OPTIMA LAKE (Map 2-20)

Project Area	13,300 acres
Operations	1,270 acres
Recreation (high density)	1,384 acres
Recreation (low Density)	510 acres
Wildlife Mgmt. (NWR)	5,120 acres

Description

Optima Lake is located on the North Canadian River in Texas County approximately 4 miles north of the town of Hardesty. The Optima lake project was constructed for flood control, to provide water, recreation and wildlife purposes. Recreational developments consists of two camping, four picnic facilities, as well as nature trails. The 11,000 acre Optima National Wildlife Refuge encompasses approximately 5,120 acres of project lands on the western portion of the lake.

SMA Lease Stipulations

NSO/ND on approximately 320 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 2,500 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Lands within the NWR are not available for oil and gas leasing.

Should COE project lands at Optima Lake be available for lease, stipulations as described above would apply.

Pine Creek Lake (Map 2-21)

Project Area	26,200 acres
Operations	250 acres
Recreation	4,250 acres
Recreation (low density)	9,000 acres
Wildlife Mgmt.	7,800 acres

Description

Pine Creek Lake is located in McCurtain, Choctaw and Pushmataha Counties in the Ouachita Mountain Region of southeastern Oklahoma. The damsite, on the Little River, is approximately 5 miles northwest of Wright City and 8 miles north of Valliant, Oklahoma. Key structures of the project are a rolled earth dam 7,510 feet in length which rises 123 feet above the original river bed. An uncontrolled concrete spillway 608 feet wide is located at the right abutment of the dam. A 14,150-foot auxiliary dike extends southwest from the main dam protecting a low plains area. Total length of the dam, dike and spillway is 22,470 feet. Project purposes include flood control, water supply and water conservation. At conservation pool elevation 438.0 MSL there are 53,800 acre-feet of water storage, 74 miles of shoreline and a surface area of 3,800 acres. At flood control elevation 480.0 MSL there are 465,800 acre-feet of floodwater storage and a surface area of 17,200 acres. The region around Pine Creek Lake is characterized by the forested Ouachita Mountains which shape the meandering shoreline and form a series of long, deep coves that project from the main body of the lake.

There are four designated public use areas at Pine Creek. At Pine Creek Lake, two separate wildlife management areas totaling 10,280 acres have been established by ODWC.

SMA Lease Stipulations

NSO/ND on approximately 2,050 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 17,230 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Pine Creek Lake be available for lease, stipulations as described above would apply.

ROBERT S. KERR LOCK and DAM and LAKE
(Map 2-22)

Project Area	56,739 acres
Navigation Pool (lake)	42,000 acres
Operations	6,278 acres
Recreation	2,936 acres
Wildlife Mgmt	1,787 acres
Wildlife Mgmt (NWR)	10,300 acres

Description
Located on the Arkansas River approximately 32 miles downstream of the Webbers Falls project, and 8 miles south of the town of Sallisaw, the Robert S. Kerr L&D project provides navigation waters, hydroelectric power, recreation and wildlife habitat. The lake created by the project has a shoreline of over 250 miles and a surface area of over 42,000 acres.

Approximately 10,300 acres of project lands are included in the 20,800 acre Sequoyah National Wildlife Refuge administered by the USFWS.

Approximately 7,847 acres at Robert S. Kerr are under agricultural lease administered by the COE.

SMA Lease Stipulations
NSO/ND on approximately 750 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 35,900 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Robert S. Kerr Lake be available for lease, stipulations as described above would apply.

SARDIS LAKE (Map 2-23)

Project Area	21,674 acres
Operations	235 acres
Recreation (high)	1,580 acres
Recreation (low)	390 acres
Wildlife Mgmt.	8,430 acres

Description
Sardis Lake Dam is located on Jackfork Creek a tributary of the Kiamichi River approximately 3 miles north of the town of Clayton. The project was constructed for flood control, water supply, water quality protection, recreation and wildlife habitat. At flood control elevation 607 MSL the lake has a capacity of over 396,900 acre-feet and a surface area of over 16,960 acres. The lake created by the dam has a conservation pool shoreline of over 117 miles and provides outdoor recreational activities including water sports, camping, hiking, hunting and sightseeing. The region around the lake is characterized by hardwood forested hills with silver maple, ash, hackberry, sycamore, hickory, and oak.

There are four designated public use areas at Sardis comprising over 1,500 acres and an ODWC managed wildlife management area of over 8,435 acres of undeveloped land.

SMA Lease Stipulations
NSO/ND on approximately 1,300 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 16,960 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Sardis Lake be available for lease, stipulations as described above would apply.

TENKILLER FERRY DAM (Map 2-24)

Project area	30,718 acres
Operations	235 acres
Recreation (high density)	5,343 acres
Recreation (low density)	9,419 acres
Wildlife Mgmt. (ODWC)	2,590 acres

Description
Tenkiller Ferry Dam is located on the Illinois River, in Sequoyah County about 7 miles northeast of the town of Gore. The lake extends more than 25 miles up the Illinois River into Cherokee County. At flood control pool elevation 667.0 there are 589,000 acre-feet of floodwater storage and a surface area of 20,800 acres. There are 641,000 acre-feet of storage at power pool elevation 632.0 with a surface area of 12,900 acres. Tenkiller Ferry Lake provides flood protection, hydroelectric power, recreation and wildlife habitat.

Existing recreational facilities consist of access roads, parking areas, boat launching ramps, vault-type and waterborne toilets, water supply, picnic shelters, individual campsites, signs, navigation aids and other facilities to provide for the health and safety of the visiting public. Tenkiller Ferry project has leased 1,361 acres to the OTRD for development of park areas. Sequoyah County and the city of Stillwell have leased two areas for park purpose. At the Tenkiller Ferry project the ODWC has been granted a license to 2,590 acres of project lands for wildlife management purposes.

SMA Lease Stipulations
NSO/ND on approximately 300 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 20,800 acres as buffers to recreational facilities, roads, trails and other developments and within the identified flood pool.

Should COE project lands at Tenkiller Ferry Lake be available for lease, stipulations as described above would apply.

TEXOMA LAKE and DENISON DAM (Map 2-25)

Project area	193,500 acres
Operations	2,050 acres
Recreation (high density)	14,590 acres
Recreation (low density)	44,003 acres
Wildlife Mgmt. (ODWC)	25,942 acres
Wildlife Refuge (USFWS)	28,049 acres

Description

Denison Dam is located on the Red River in Bryan County, Oklahoma, and Grayson County, Texas, approximately 5 miles northwest of Denison, Texas, and 15 miles southwest of the city of Durant, Oklahoma. Approximately 30% of the project area is situated within the State of Texas and will not be addressed in this Land Use Plan, the remaining 70% is within Bryan, Marshall and Love Counties. Total length of the dam is 17,200 feet, and maximum height above stream bed is 165 feet. Platter Dike is a small structure about 3 miles upstream from the left abutment of the dam. This dike has a total length of 6,000 feet and is similar to the main embankment in design. The Cumberland Dikes consist of two rolled earthfill levees approximately 23,500 feet in length on the Washita River near Cumberland, Oklahoma. At flood control elevation 640 feet MSL there are 143,300 surface areas and a total storage capacity of 5,381,900 acre feet of water. The lake has two principal arms, the Red and Washita Rivers. The lake has a maximum width of about 3 miles. The Red River arm of the lake has a length of about 60 miles, and the Washita arm of the lake is about 45 miles long. There are 580 miles of shoreline at the top of power pool elevation.

The State of Oklahoma has two parks, the State of Texas has one park and the city of Tishomingo has two parks. Existing facilities at these areas include some or all of the following: access roads, a state lodge, golf course, paved parking areas, boat launching ramps, marinas, waterborne or masonry vault toilets, potable water, picnic tables, refuse containers, fireplaces, individual campsites and sanitary trailer dump stations. The Tishomingo NWR occupies approximately 28,049 acres of project lands on the Oklahoma side and the Hagerman NWR about 11,429 acres in Texas. The USFWS and the ODWC also jointly administer 3,170 acres for waterfowl management. About 710 wells are located in the oil and gas fields on the edges of the project, 180 of these wells are on the Oklahoma side of the project in three producing areas.

SMA Lease Stipulations

NSO/ND on approximately 4,250 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 85,500 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Texoma Lake be available for lease, stipulations as described above would apply.

W. D. MAYO LOCK AND DAM (Map 2-26)

Project Area	1,300 acres
Navigation Pool	1,600 acres
Operations	100 acres
Recreation	500 acres

Description

The W. D. Mayo L&D is located on the Arkansas River approximately 9 miles west of the city of Fort Smith Arkansas. The navigation pool created by the dam extends over 16 miles upstream to the Robert S. Kerr project location and covers an area of over 1,595 acres.

SMA Lease Stipulations

NSO/ND on approximately 100 acres associated with the structure of the lock and dam and a buffer.

Should COE project lands at W.D. Mayo Lock and Dam be available for lease, stipulations as described above would apply.

WAURIKA LAKE (Map 2-27)

Project Area	21,100 acres
Operations	269 acres
Recreation (High Density)	4,603 acres
Multiple Resource Mgt.	6,614 acres

Description

Waurika Lake is located on Beaver Creek, a tributary of the Red River, approximately six miles northwest of the town of Waurika. The project in portions of Jefferson, Cotton, and Stephens Counties, is designed for the purpose of flood control, water supply, water quality control, irrigation, recreation, fish and wildlife.

There are six designated public use areas at Waurika. Recreational activities at Waurika Lake include water sports, hunting, camping and sightseeing. ODWC is licensed to administer over 10,000 acres at Waurika as a public hunting area.

SMA Lease Stipulations

NSO/ND on approximately 1,600 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on

approximately 15,000 acres as buffers to recreational facilities, roads, trails and other developments and within the identified flood pool.

Should COE project lands at Waurkia Lake be available for lease, stipulations as described above would apply.

WEBBERS FALLS LOCK AND DAM (Map 2-28)

Project Area	15,988 acres
Navigation Pool	10,900 acres
Operations	115 acres
Wildlife Mgmt.	2,663 acres
Recreation	2,455 acres
Recreation (low density)	707 acres
Industrial	707 acres

Description

Webbers Falls L&D are situated on the Arkansas River approximately five miles northwest of the town of Webbers Falls. In addition to navigation, the Webbers Falls Project provides hydroelectric power, recreation and wildlife habitat. The impoundment created by the dam extends approximately 35 miles upstream with a shoreline of approximately 175 miles.

SMA Lease Stipulations

NSO/ND on approximately 500 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 11,600 acres as buffers to recreational facilities, roads, trails and other developments, and within the identified flood pool.

Should COE project lands at Webbers Falls Lake be available for lease, stipulations as described above would apply.

WISTER LAKE (Map 2-29)

Project Area	39,170 acres
Operations	240 acres
Recreation (Low density)	745 acres
Recreation (high Density)	3,087 acres
Wildlife Mgmt. (ODWC)	29,590 acres

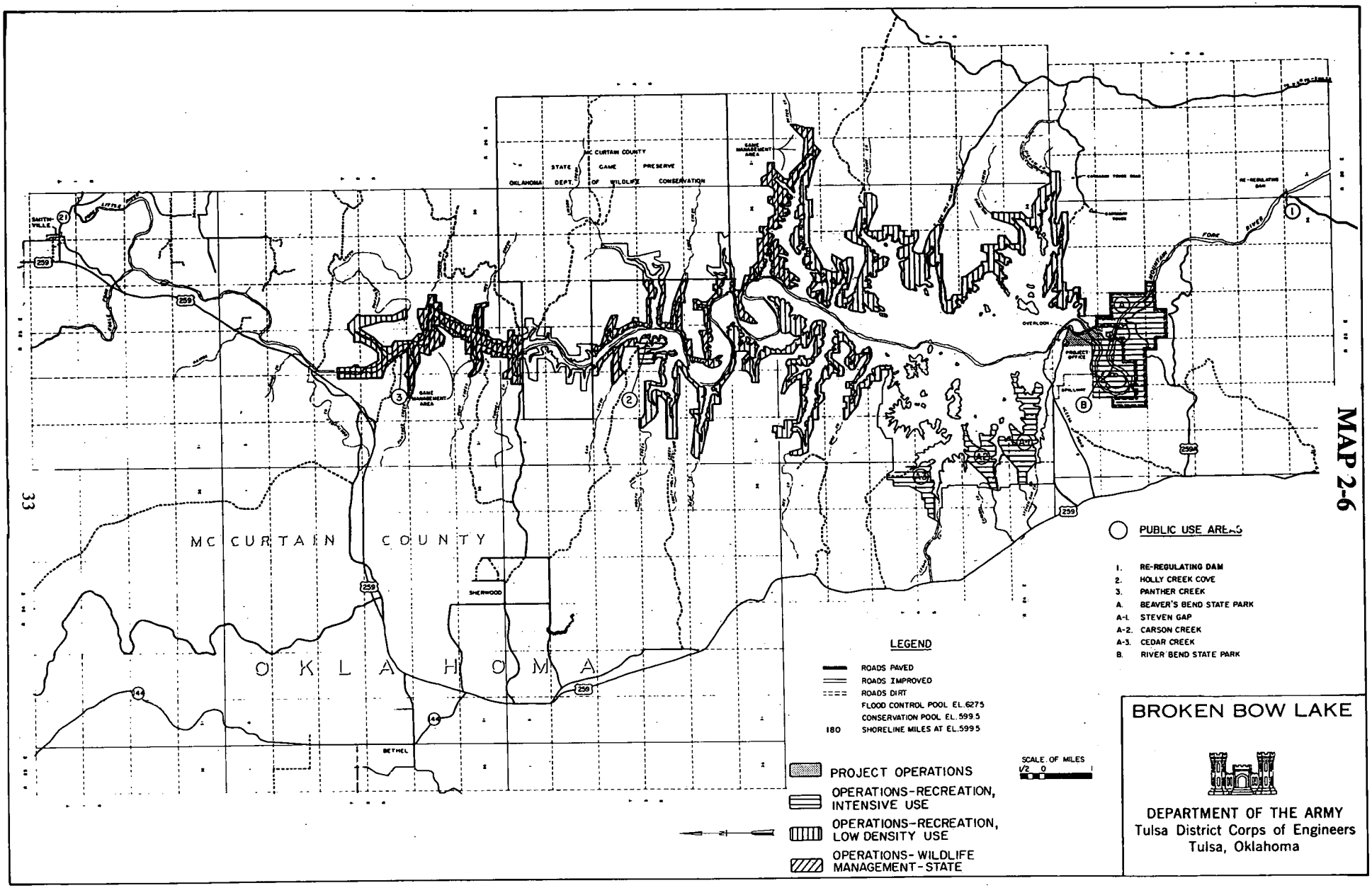
Description

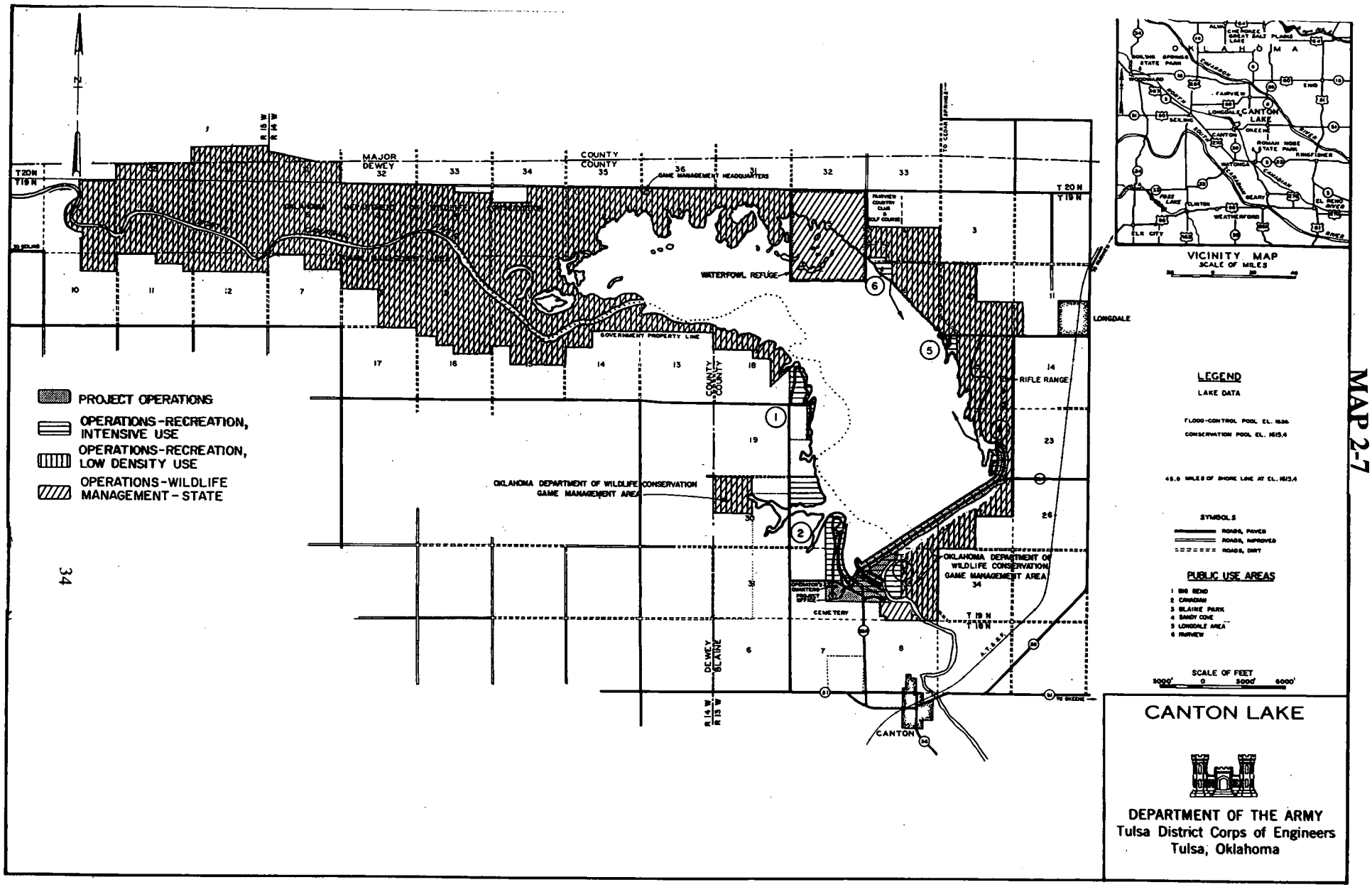
Wister Lake is located on the Poteau River in the foothills of the Kiamichi Mountains near the Ouachita National Forest in Leflore and Latimer Counties approximately two miles south of the town of Wister. The project was constructed for flood control and water conservation purposes. The lake created by the dam has a conservation pool shoreline of over 115 miles and provides outdoor recreational activities including water sports, camping, hiking, hunting and sightseeing.

SMA Lease Stipulations

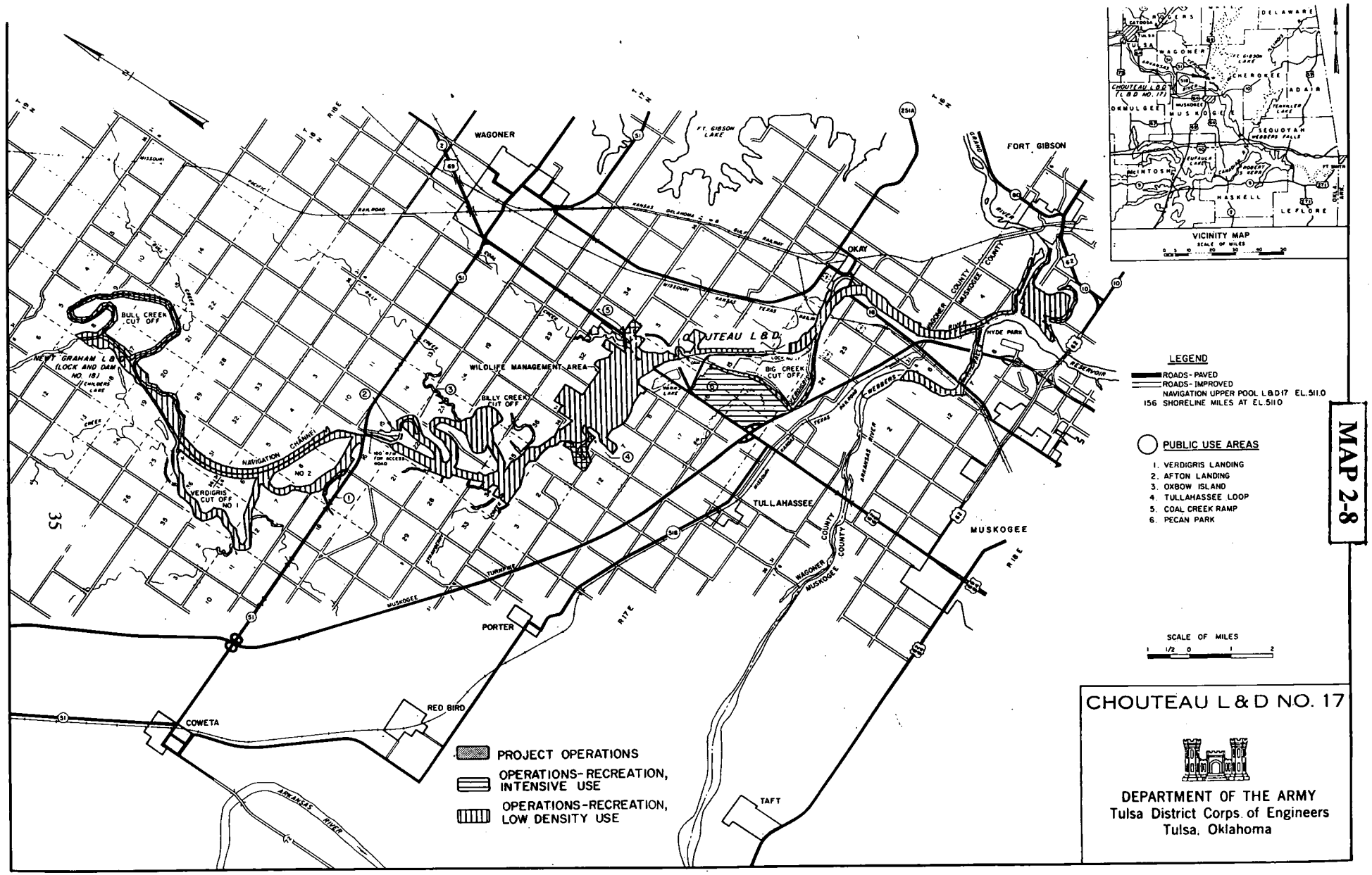
NSO/ND on approximately 550 acres associated with the dam and spillway and a 2,000 foot buffer. NSO on approximately 23,070 acres as buffers to recreational facilities, roads, trails and other developments and within the identified flood pool.

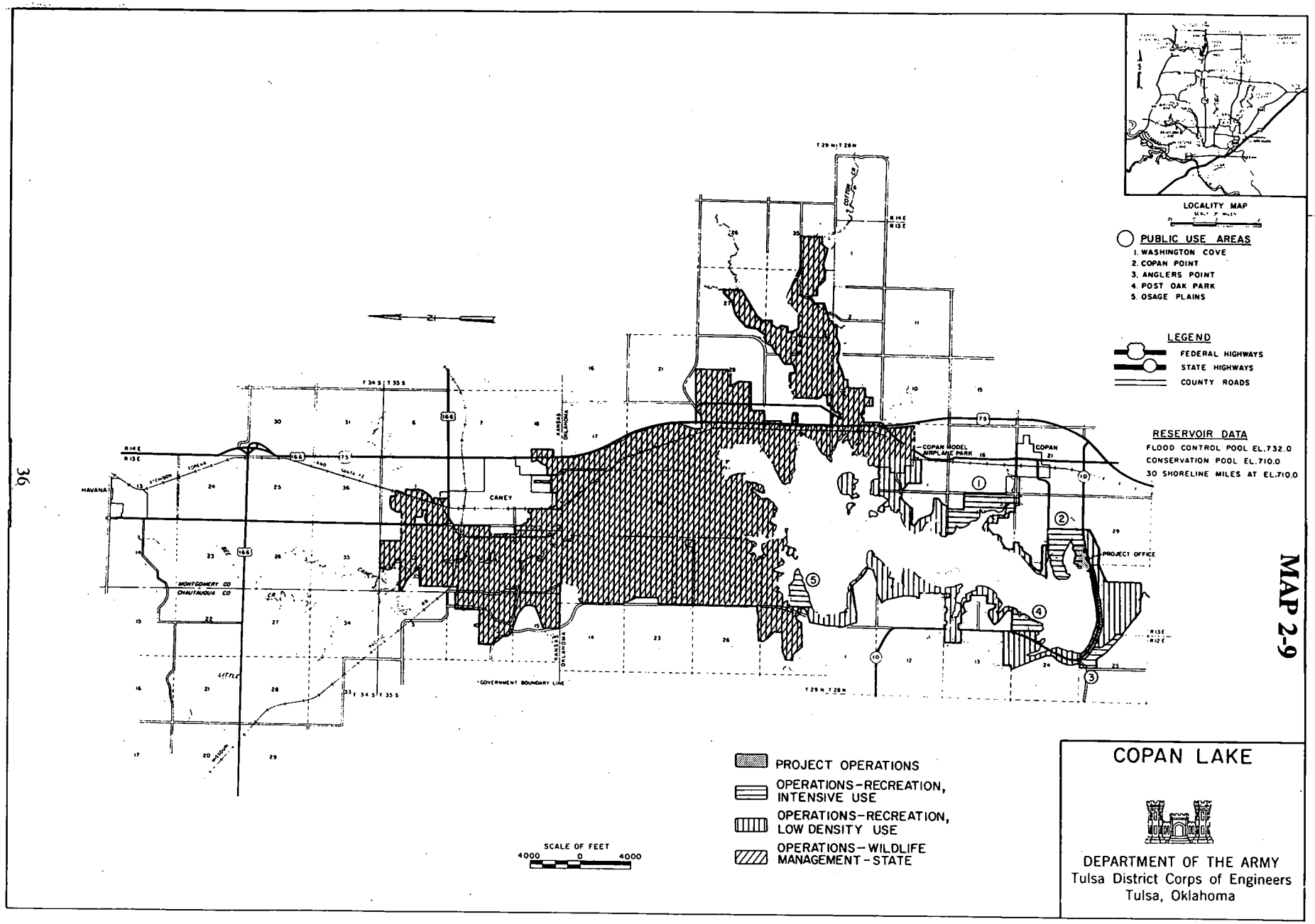
Should COE project lands at Wister Lake be available for lease, stipulations as described above would apply.


MAP 2-6
MC CURTAIN COUNTY
OKLAHOMA
STATE GAME PRESERVE
OKLAHOMA DEPT. OF WILDLIFE CONSERVATION
GAME MANAGEMENT AREA
SMITHVILLE
SHERWOOD
BETHEL
OVERLOOK
PROJECT OFFICE
SPILLWAY
RE-REGULATING DAM
PUBLIC USE AREAS
1. RE-REGULATING DAM
2. HOLLY CREEK COVE
3. PANTHER CREEK
A. BEAVER'S BEND STATE PARK
A-1. STEVEN GAP
A-2. CARSON CREEK
A-3. CEDAR CREEK
B. RIVER BEND STATE PARK
LEGEND
ROADS PAVED
ROADS IMPROVED
ROADS DIRT
FLOOD CONTROL POOL EL. 627.5
CONSERVATION POOL EL. 599.5
180 SHORELINE MILES AT EL. 599.5
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
SCALE OF MILES
1/2 0 1
BROKEN BOW LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

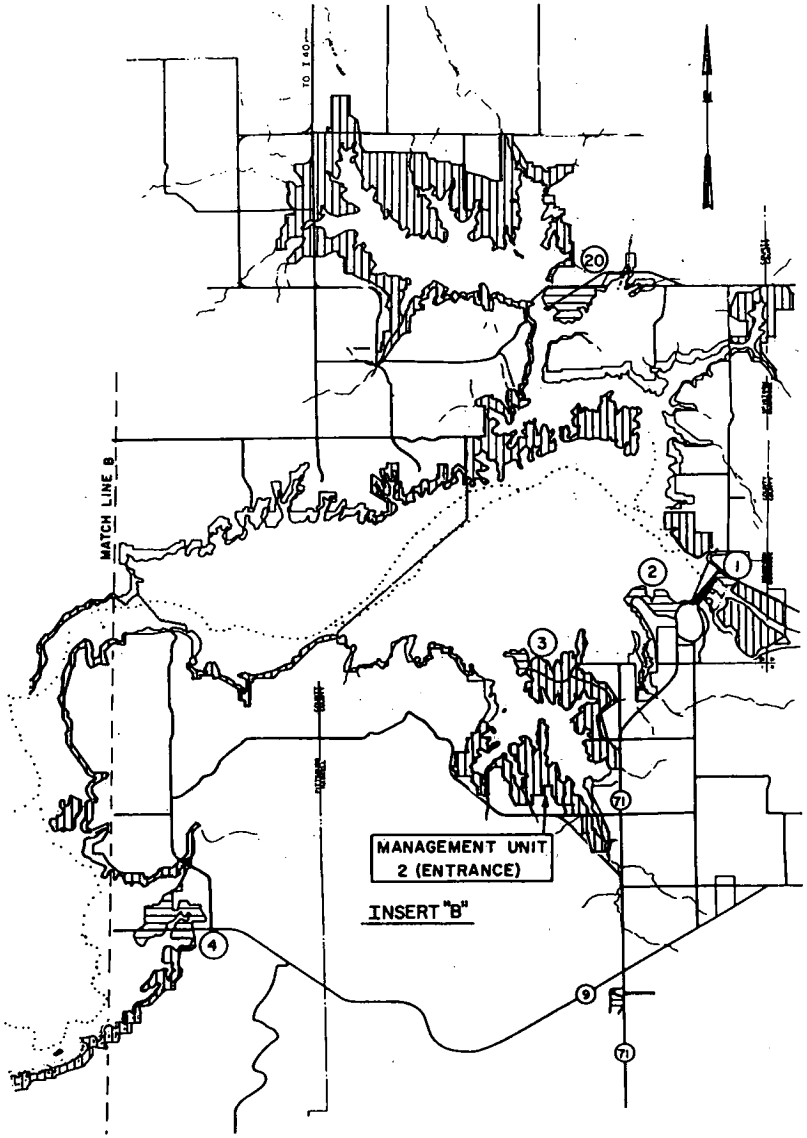

PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
MAJOR
DEWEY
COUNTY
GAME MANAGEMENT HEADQUARTERS
WATERFOWL REFUGE
GOVERNMENT PROPERTY LINE
OKLAHOMA DEPARTMENT OF WILDLIFE CONSERVATION GAME MANAGEMENT AREA
OKLAHOMA DEPARTMENT OF WILDLIFE CONSERVATION GAME MANAGEMENT AREA 34
RIFLE RANGE
LONGDALE
CANTON
CEMETERY
T 20 N
T 19 N
R 15 W
R 14 W
VICINITY MAP
SCALE OF MILES
LEGEND
LAKE DATA
SYMBOLS
PUBLIC USE AREAS
1 BIG BEND
2 CANADIAN
3 BLAINE PARK
4 SANDY COVE
5 LONGDALE AREA
6 FAIRVIEW
SCALE OF FEET
CANTON LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

MAP 2-7


MAP 2-8
CHOUTEAU L & D NO. 17
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma
VICINITY MAP
SCALE OF MILES
LEGEND
ROADS-PAVED
ROADS-IMPROVED
NAVIGATION UPPER POOL L&D 17 EL. 511.0
156 SHORELINE MILES AT EL. 511.0
PUBLIC USE AREAS
1. VERDIGRIS LANDING
2. AFTON LANDING
3. OXBOW ISLAND
4. TULLAHASSEE LOOP
5. COAL CREEK RAMP
6. PECAN PARK
SCALE OF MILES
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
WAGONER
FORT GIBSON
OKAY
TULLAHASSEE
MUSKOGEE
PORTER
RED BIRD
COWETA
TAFT
CHOUTEAU L & D
WILDLIFE MANAGEMENT AREA
NEW GRAHAM L & D (LOCK AND DAM NO. 18)
BULL CREEK CUT OFF
BILLY CREEK CUT OFF
BIG CREEK CUT OFF
VERDIGRIS CUT OFF NO. 1
NAVIGATION CHANNEL NO. 2
HYDE PARK
FT. GIBSON LAKE
ARKANSAS RIVER
WAGONER COUNTY
MUSKOGEE COUNTY


LOCALITY MAP
PUBLIC USE AREAS
1. WASHINGTON COVE
2. COPAN POINT
3. ANGLERS POINT
4. POST OAK PARK
5. OSAGE PLAINS
LEGEND
FEDERAL HIGHWAYS
STATE HIGHWAYS
COUNTY ROADS
RESERVOIR DATA
FLOOD CONTROL POOL EL.732.0
CONSERVATION POOL EL.710.0
30 SHORELINE MILES AT EL.710.0
COPAN MODEL AIRPLANE PARK
COPAN
PROJECT OFFICE
CANEY
HAVANA
MONTGOMERY CO
CHAUTAUQUA CO
GOVERNMENT BOUNDARY LINE
KANSAS
OKLAHOMA
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
SCALE OF FEET
4000 0 4000
COPAN LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

MAP 2-9



PROJECT OPERATIONS

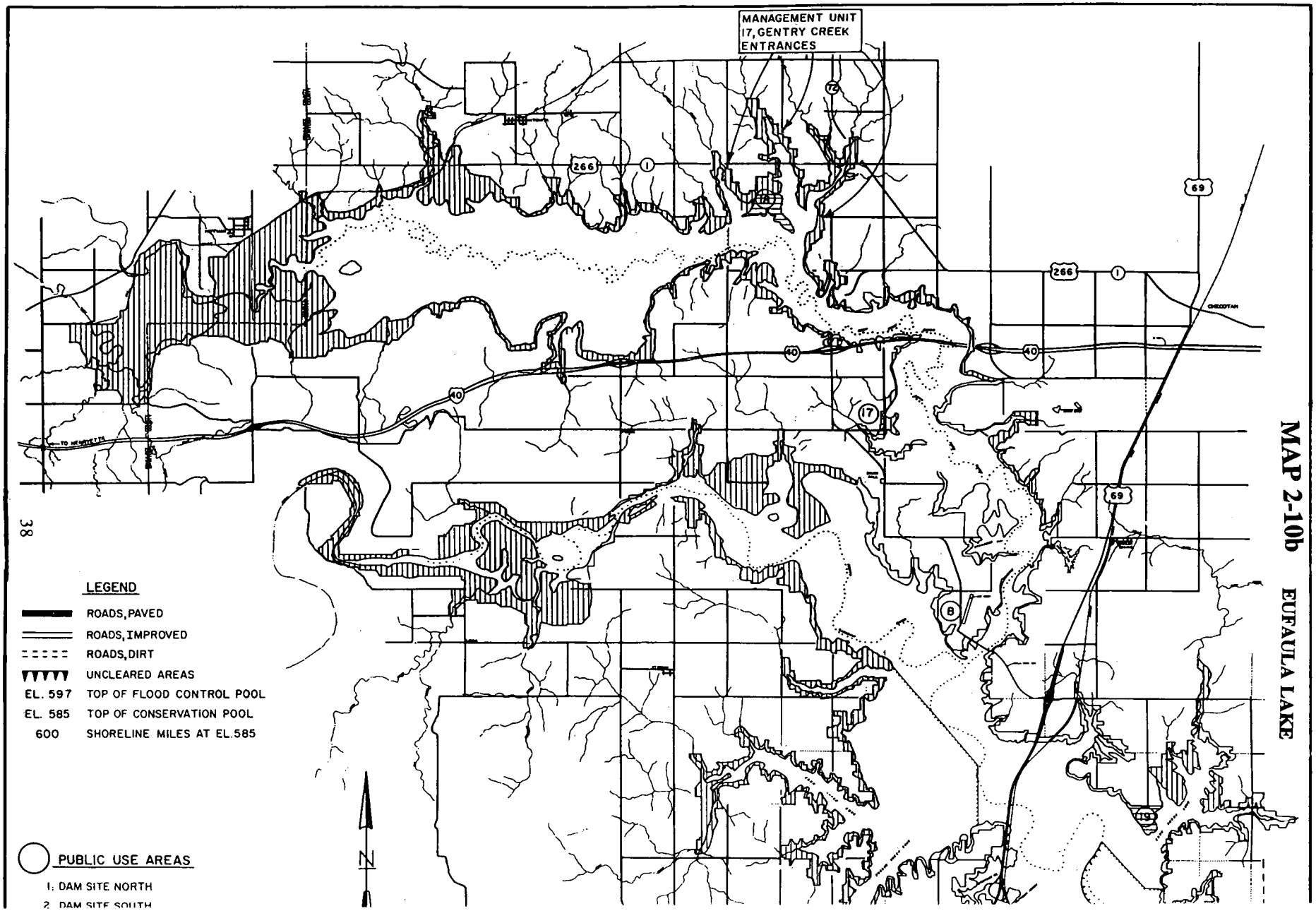
OPERATIONS-RECREATION, INTENSIVE USE

OPERATIONS-RECREATION, LOW DENSITY USE

EUFAULA LAKE

DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

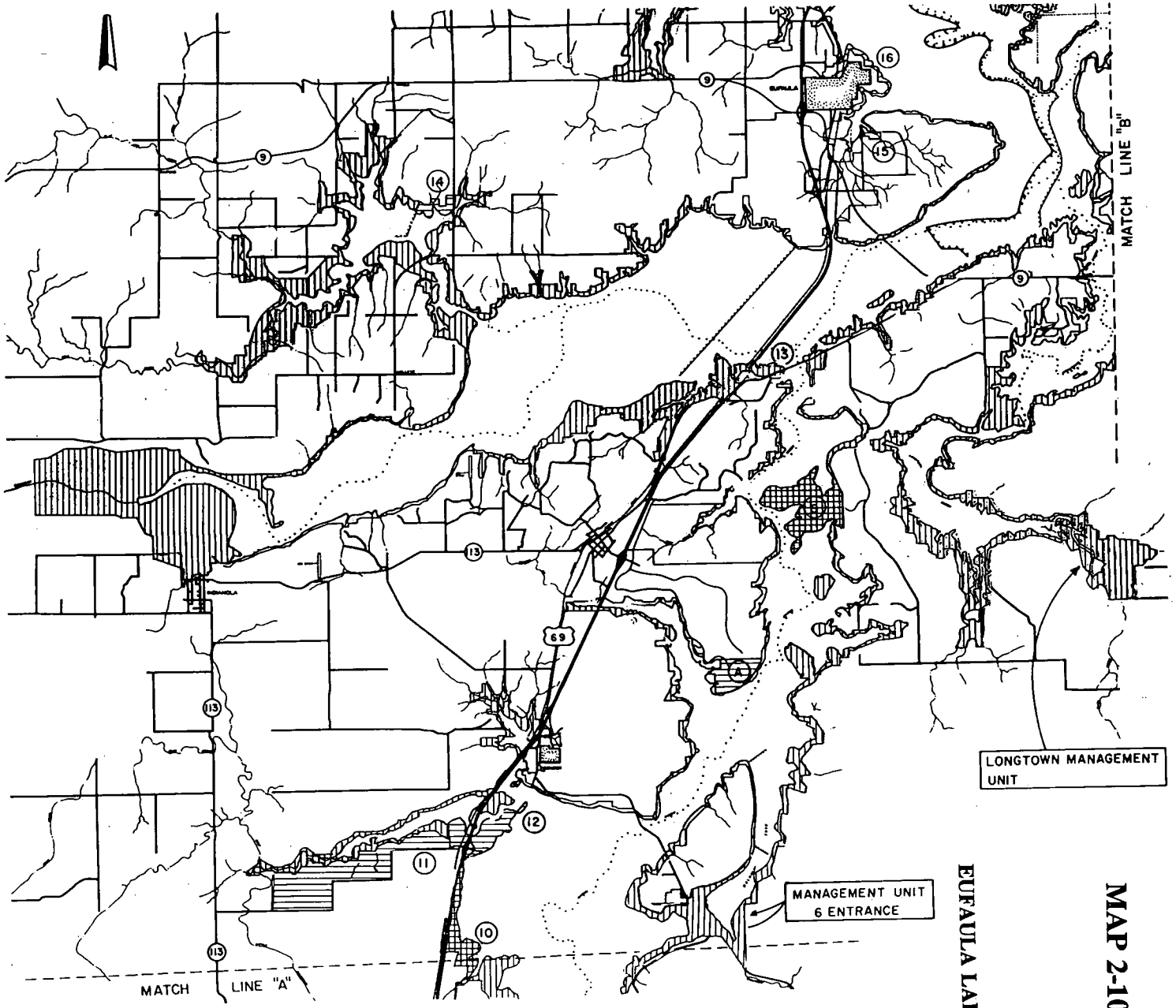
MAP 2-10a



MAP 2-10b EUFAULA LAKE

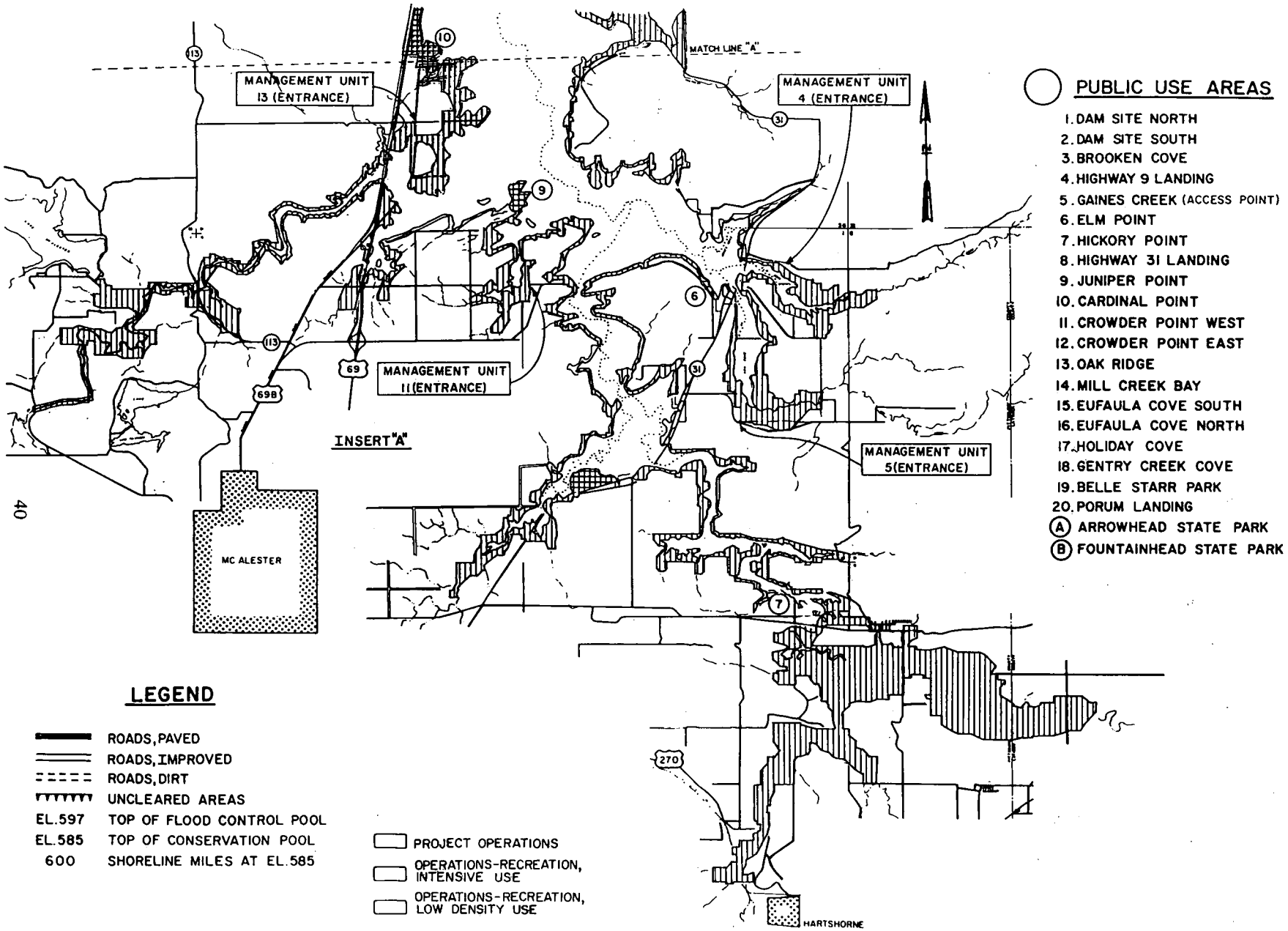
2. DAM SITE SOUTH
3. BROOKEN COVE
4. HIGHWAY 9 LANDING
5. GAINES CREEK (ACCESS POINT)
6. ELM POINT
7. HICKORY POINT
8. HIGHWAY 31 LANDING
9. JUNIPER POINT
10. CARDINAL POINT
11. CROWDER POINT WEST
12. CROWDER POINT EAST
13. OAK RIDGE
14. MILL CREEK BAY
15. EUFAULA COVE SOUTH
16. EUFAULA COVE NORTH
17. HOLIDAY COVE
18. GENTRY CREEK COVE
19. BELLE STARR PARK
20. PORUM LANDING
A. ARROWHEAD STATE PARK
B. FOUNTAINHEAD STATE PARK

PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE



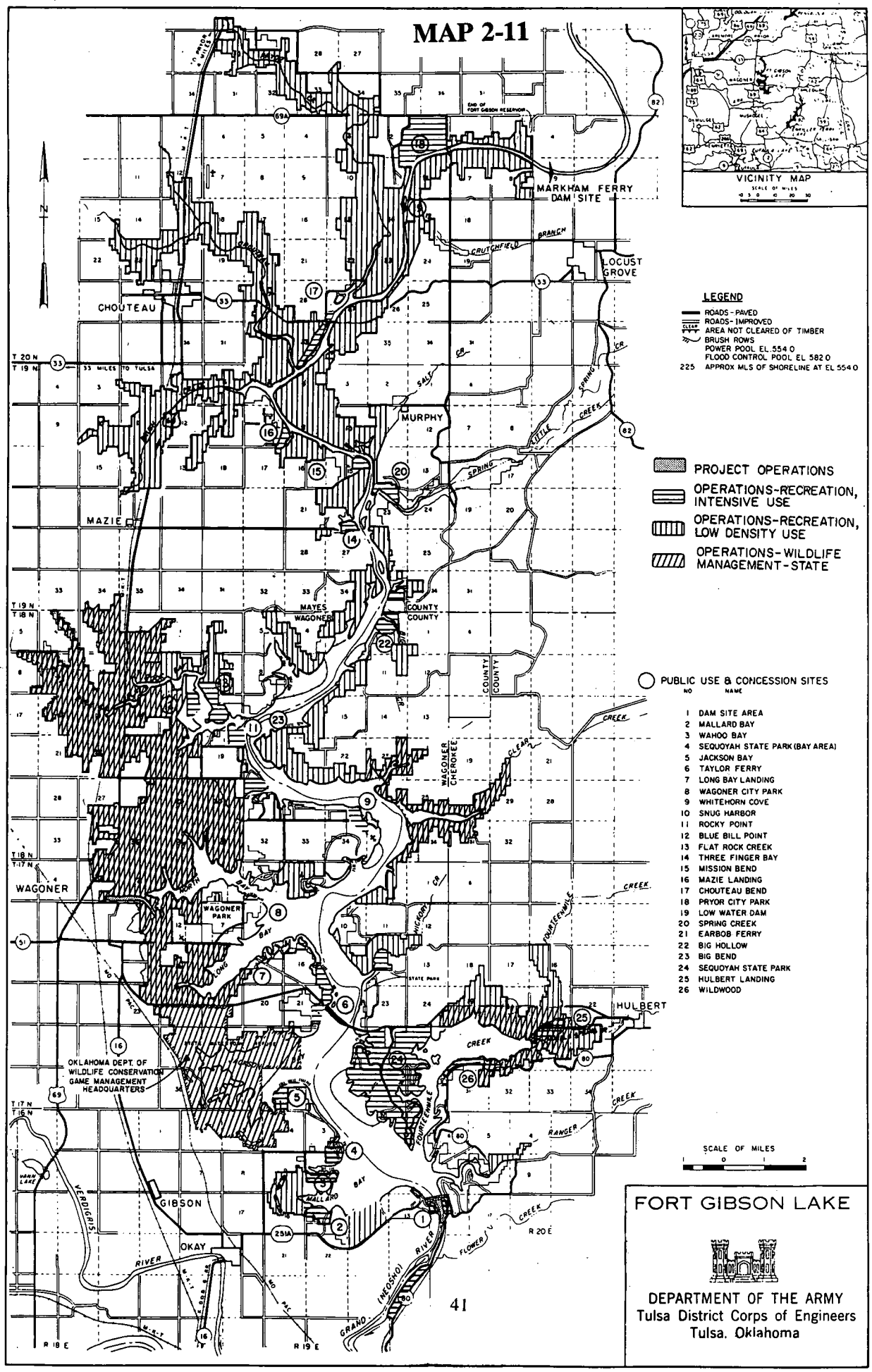
EUFAULA LAKE

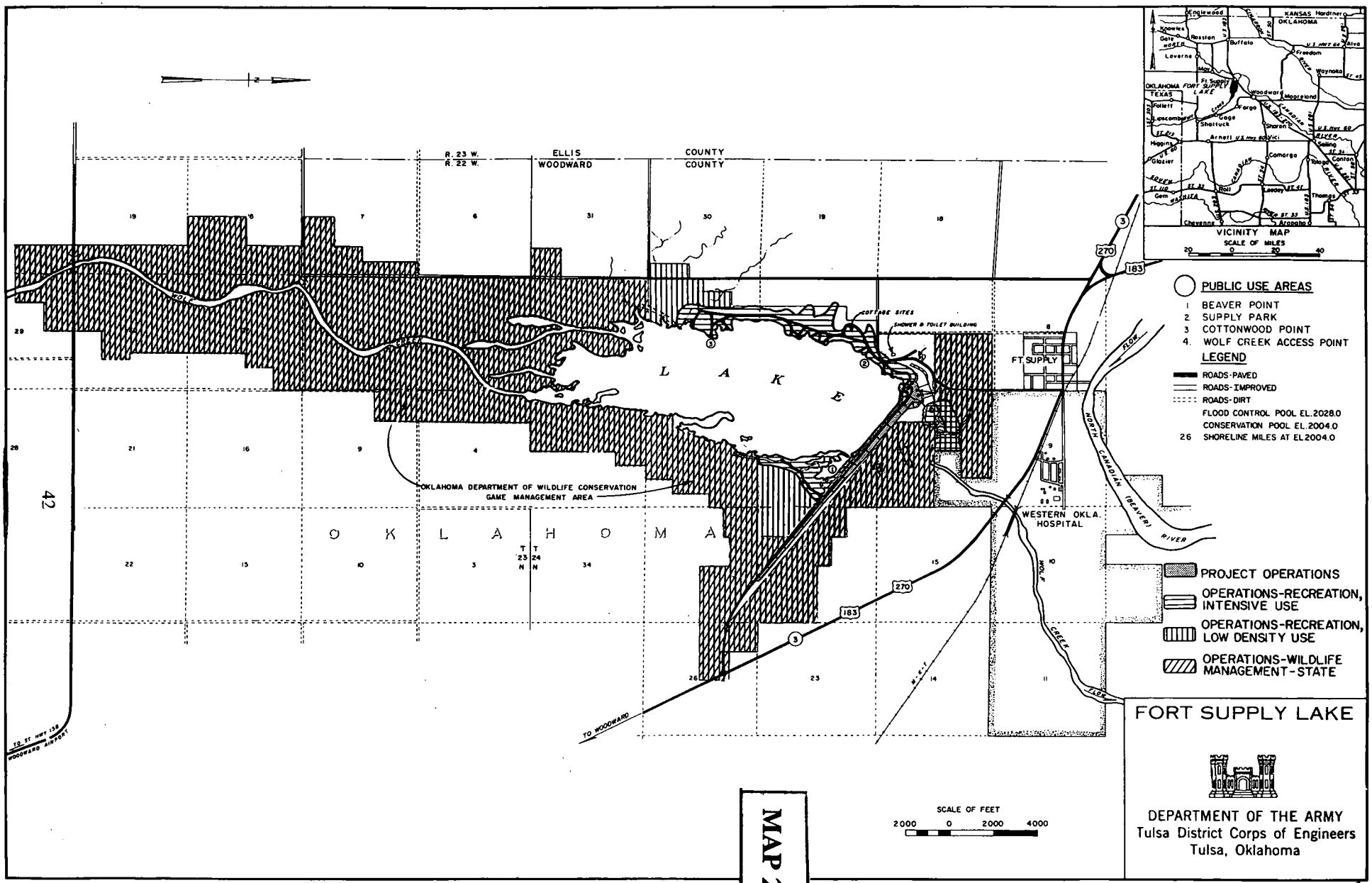
MAP 2-10c


MATCH LINE "A"
MANAGEMENT UNIT 13 (ENTRANCE)
MANAGEMENT UNIT 4 (ENTRANCE)
MANAGEMENT UNIT 11 (ENTRANCE)
MANAGEMENT UNIT 5 (ENTRANCE)
INSERT "A"
MC ALESTER
HARTSHORNE
113
69
69B
31
270
10
9
6
7
PUBLIC USE AREAS
1. DAM SITE NORTH
2. DAM SITE SOUTH
3. BROOKEN COVE
4. HIGHWAY 9 LANDING
5. GAINES CREEK (ACCESS POINT)
6. ELM POINT
7. HICKORY POINT
8. HIGHWAY 31 LANDING
9. JUNIPER POINT
10. CARDINAL POINT
11. CROWDER POINT WEST
12. CROWDER POINT EAST
13. OAK RIDGE
14. MILL CREEK BAY
15. EUFAULA COVE SOUTH
16. EUFAULA COVE NORTH
17. HOLIDAY COVE
18. GENTRY CREEK COVE
19. BELLE STARR PARK
20. PORUM LANDING
A ARROWHEAD STATE PARK
B FOUNTAINHEAD STATE PARK
LEGEND
ROADS, PAVED
ROADS, IMPROVED
ROADS, DIRT
UNCLEARED AREAS
EL. 597 TOP OF FLOOD CONTROL POOL
EL. 585 TOP OF CONSERVATION POOL
600 SHORELINE MILES AT EL. 585
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE

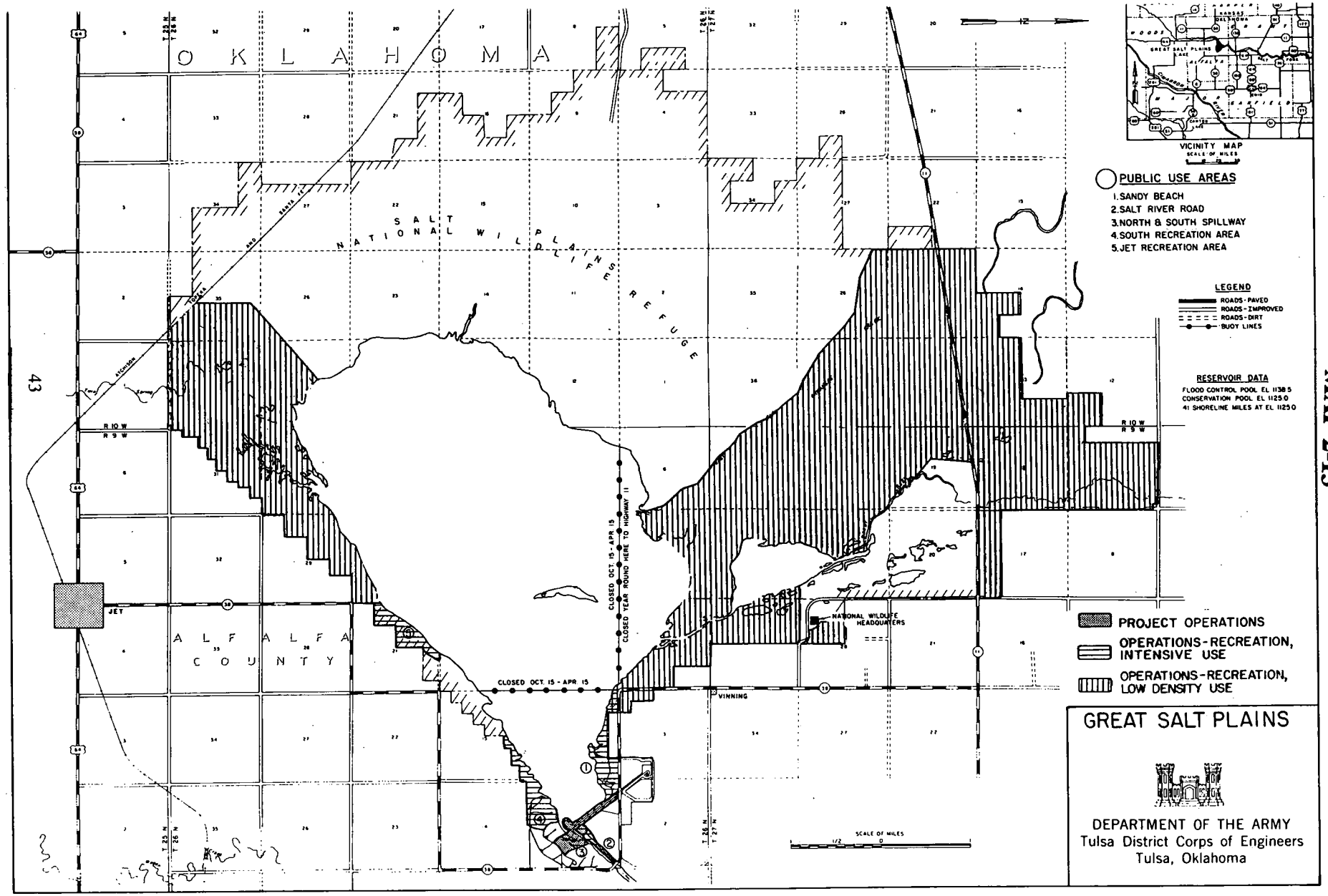
MAP 2-10d

MAP 2-11

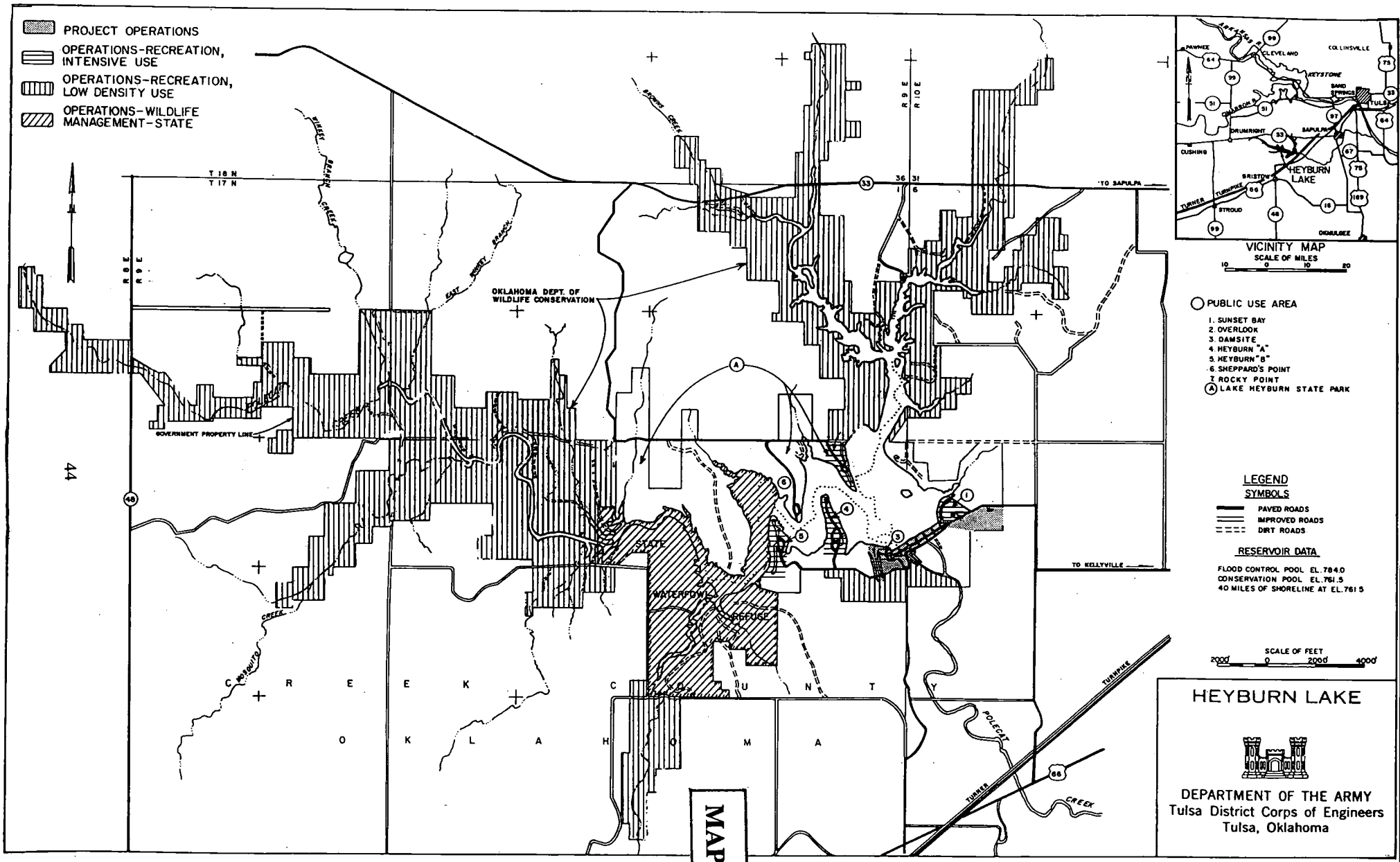

VICINITY MAP
SCALE OF MILES
MARKHAM FERRY DAM SITE
END OF FORT GIBSON RESERVOIR
CRUTCHFIELD BRANCH
LOCUST GROVE
CHOUTEAU
T 20 N
T 19 N
33 MILES TO TULSA
MURPHY
SALT CR
SPRING CREEK
LITTLE SPRING
MAZIE
T 19 N
T 18 N
MAYES COUNTY
WAGONER COUNTY
CLEAR CREEK
WAGONER CHEROKEE COUNTY
T 18 N
T 17 N
WAGONER
WAGONER PARK
LONG BAY
WHICKORY CR
TOUGHENIMILE CREEK
HULBERT
STATE PARK
CREEK
OKLAHOMA DEPT. OF WILDLIFE CONSERVATION GAME MANAGEMENT HEADQUARTERS
T 17 N
T 16 N
RANGER CREEK
SCALE OF MILES
GIBSON
MALLARD BAY
OKAY
VERDIGRIS RIVER
FLOWER CREEK
R 20 E
GRAND (NEOSHO) RIVER
R 18 E
R 19 E
LEGEND
ROADS - PAVED
ROADS - IMPROVED
CLEAR AREA NOT CLEARED OF TIMBER
BRUSH ROWS
POWER POOL EL. 554.0
FLOOD CONTROL POOL EL 582.0
225 APPROX MLS OF SHORELINE AT EL 554.0
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
PUBLIC USE & CONCESSION SITES
NO NAME
1 DAM SITE AREA
2 MALLARD BAY
3 WAHOO BAY
4 SEQUOYAH STATE PARK (BAY AREA)
5 JACKSON BAY
6 TAYLOR FERRY
7 LONG BAY LANDING
8 WAGONER CITY PARK
9 WHITEHORN COVE
10 SNUG HARBOR
11 ROCKY POINT
12 BLUE BILL POINT
13 FLAT ROCK CREEK
14 THREE FINGER BAY
15 MISSION BEND
16 MAZIE LANDING
17 CHOUTEAU BEND
18 PRYOR CITY PARK
19 LOW WATER DAM
20 SPRING CREEK
21 EARBOB FERRY
22 BIG HOLLOW
23 BIG BEND
24 SEQUOYAH STATE PARK
25 HULBERT LANDING
26 WILDWOOD
SCALE OF MILES
FORT GIBSON LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma


R. 23 W.
R. 22 W.
ELLIS COUNTY
WOODWARD COUNTY
LAKE
COTTAGE SITES
SHOWER & TOILET BUILDING
FT. SUPPLY
OKLAHOMA DEPARTMENT OF WILDLIFE CONSERVATION GAME MANAGEMENT AREA
OKLAHOMA
T 23 N
T 24 N
WESTERN OKLA. HOSPITAL
NORTH CANADIAN (BEAVER) RIVER
WOLF CREEK
TO WOODWARD
TO ST. HWY 158 WOODWARD AIRPORT
42
VICINITY MAP
SCALE OF MILES
PUBLIC USE AREAS
1 BEAVER POINT
2 SUPPLY PARK
3 COTTONWOOD POINT
4 WOLF CREEK ACCESS POINT
LEGEND
ROADS-PAVED
ROADS-IMPROVED
ROADS-DIRT
FLOOD CONTROL POOL EL. 2028.0
CONSERVATION POOL EL. 2004.0
26 SHORELINE MILES AT EL. 2004.0
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
SCALE OF FEET
2000 0 2000 4000
FORT SUPPLY LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

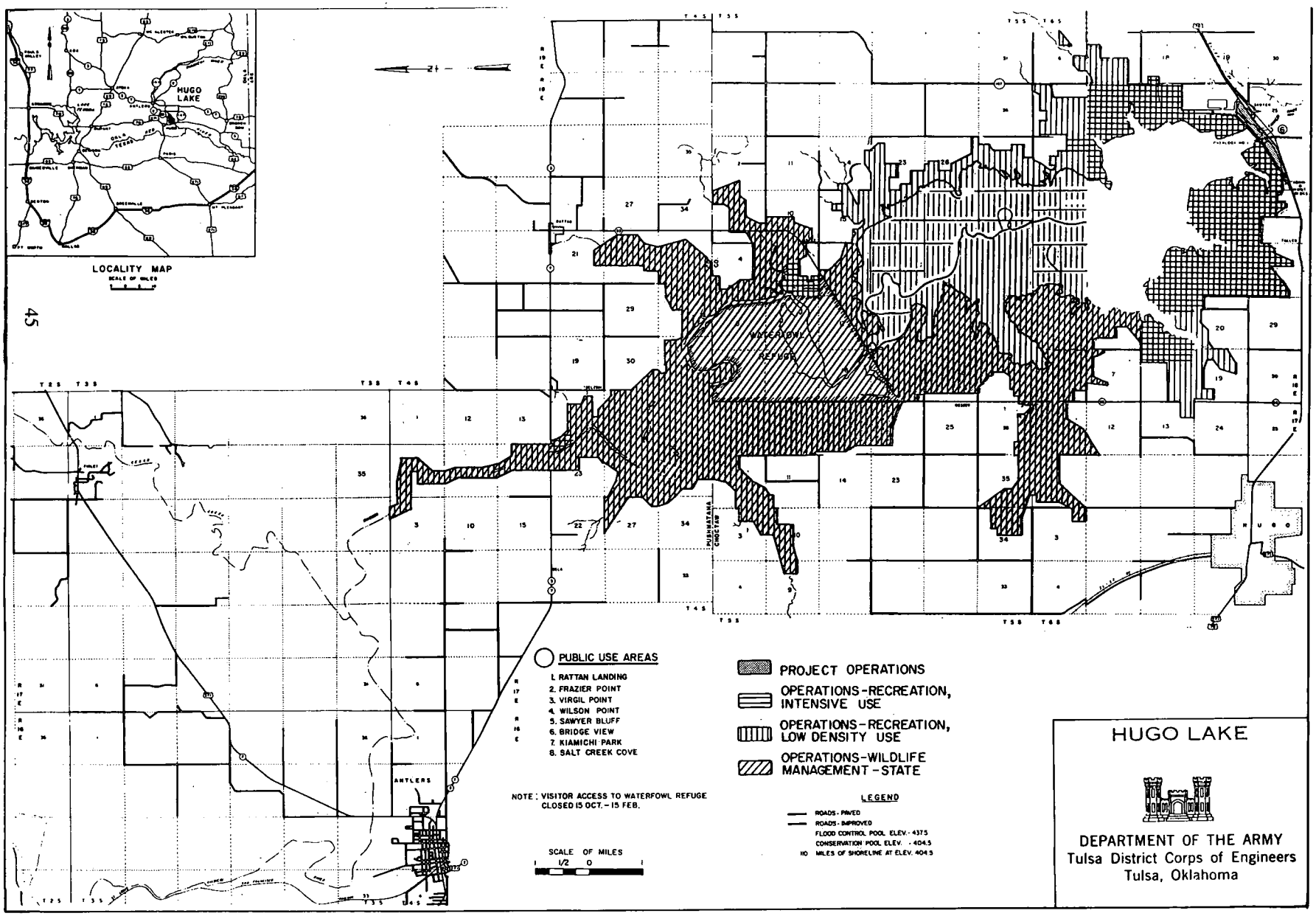
MAP 2-12


OKLAHOMA
SALT
NATIONAL WILDLIFE REFUGE
ALFALFA
COUNTY
JET
VINNING
NATIONAL WILDLIFE HEADQUARTERS
CLOSED OCT. 15 - APR. 15
CLOSED OCT. 15 - APR. 15
CLOSED YEAR ROUND HERE TO HIGHWAY 11
R 10 W
R 9 W
T 25 N
T 26 N
T 27 N
SCALE OF MILES
VICINITY MAP
PUBLIC USE AREAS
1. SANDY BEACH
2. SALT RIVER ROAD
3. NORTH & SOUTH SPILLWAY
4. SOUTH RECREATION AREA
5. JET RECREATION AREA
LEGEND
ROADS - PAVED
ROADS - IMPROVED
ROADS - DIRT
BUOY LINES
RESERVOIR DATA
FLOOD CONTROL POOL EL 1138.5
CONSERVATION POOL EL 1125.0
41 SHORELINE MILES AT EL 1125.0
PROJECT OPERATIONS
OPERATIONS - RECREATION, INTENSIVE USE
OPERATIONS - RECREATION, LOW DENSITY USE
GREAT SALT PLAINS
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

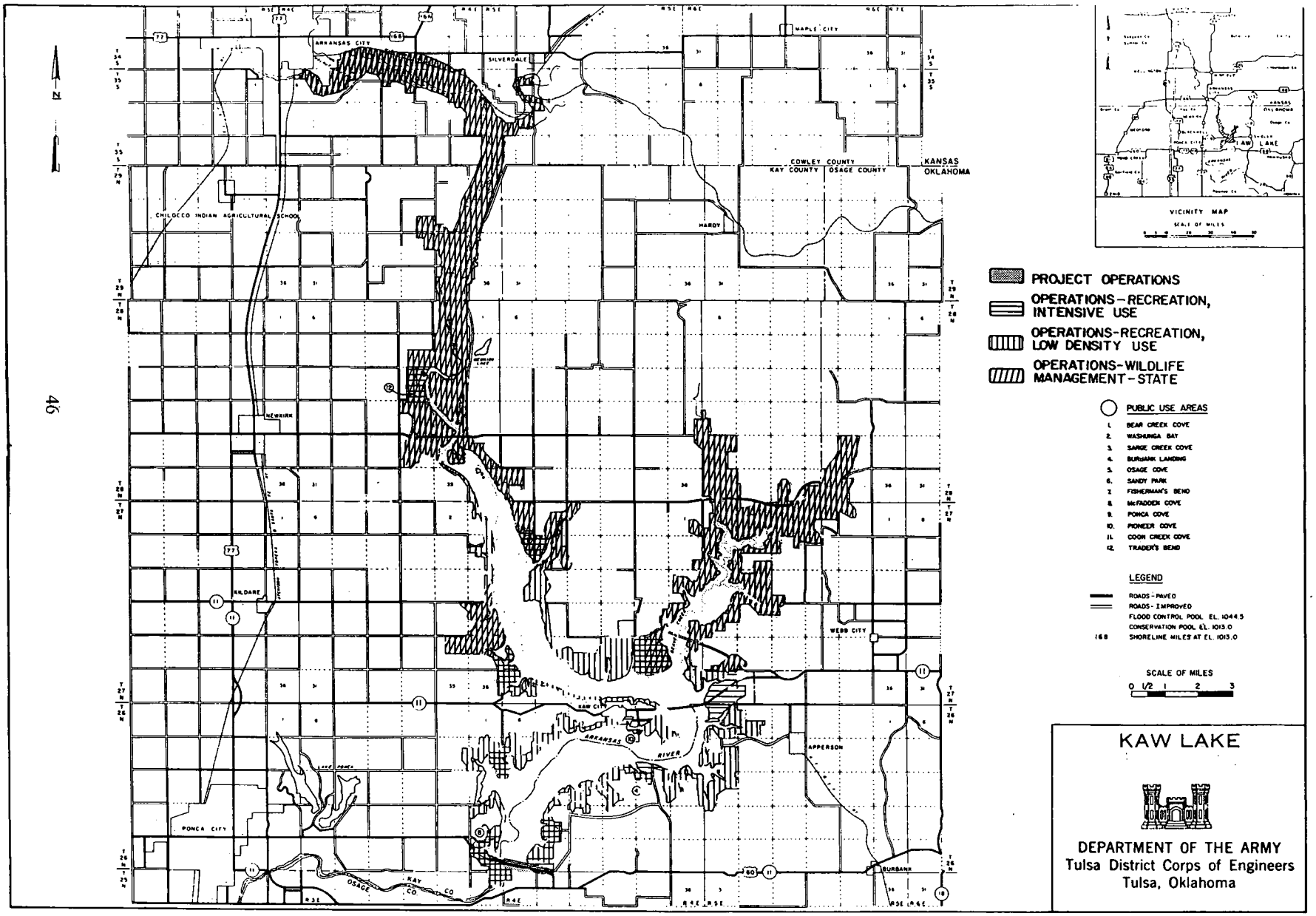
MAP 2-13


PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
T 18 N
T 17 N
R 9 E
R 10 E
OKLAHOMA DEPT. OF WILDLIFE CONSERVATION
GOVERNMENT PROPERTY LINE
TO SAPULPA
TO KELLYVILLE
STATE
WATERFOWL
REFUGE
CREEK COUNTY
OKLAHOMA
TURNPIKE
POLECAT CREEK
VICINITY MAP
SCALE OF MILES
PUBLIC USE AREA
1. SUNSET BAY
2. OVERLOOK
3. DAMSITE
4. HEYBURN "A"
5. HEYBURN "B"
6. SHEPPARD'S POINT
7. ROCKY POINT
A LAKE HEYBURN STATE PARK
LEGEND
SYMBOLS
PAVED ROADS
IMPROVED ROADS
DIRT ROADS
RESERVOIR DATA
FLOOD CONTROL POOL EL. 784.0
CONSERVATION POOL EL. 761.5
40 MILES OF SHORELINE AT EL. 761.5
SCALE OF FEET
HEYBURN LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

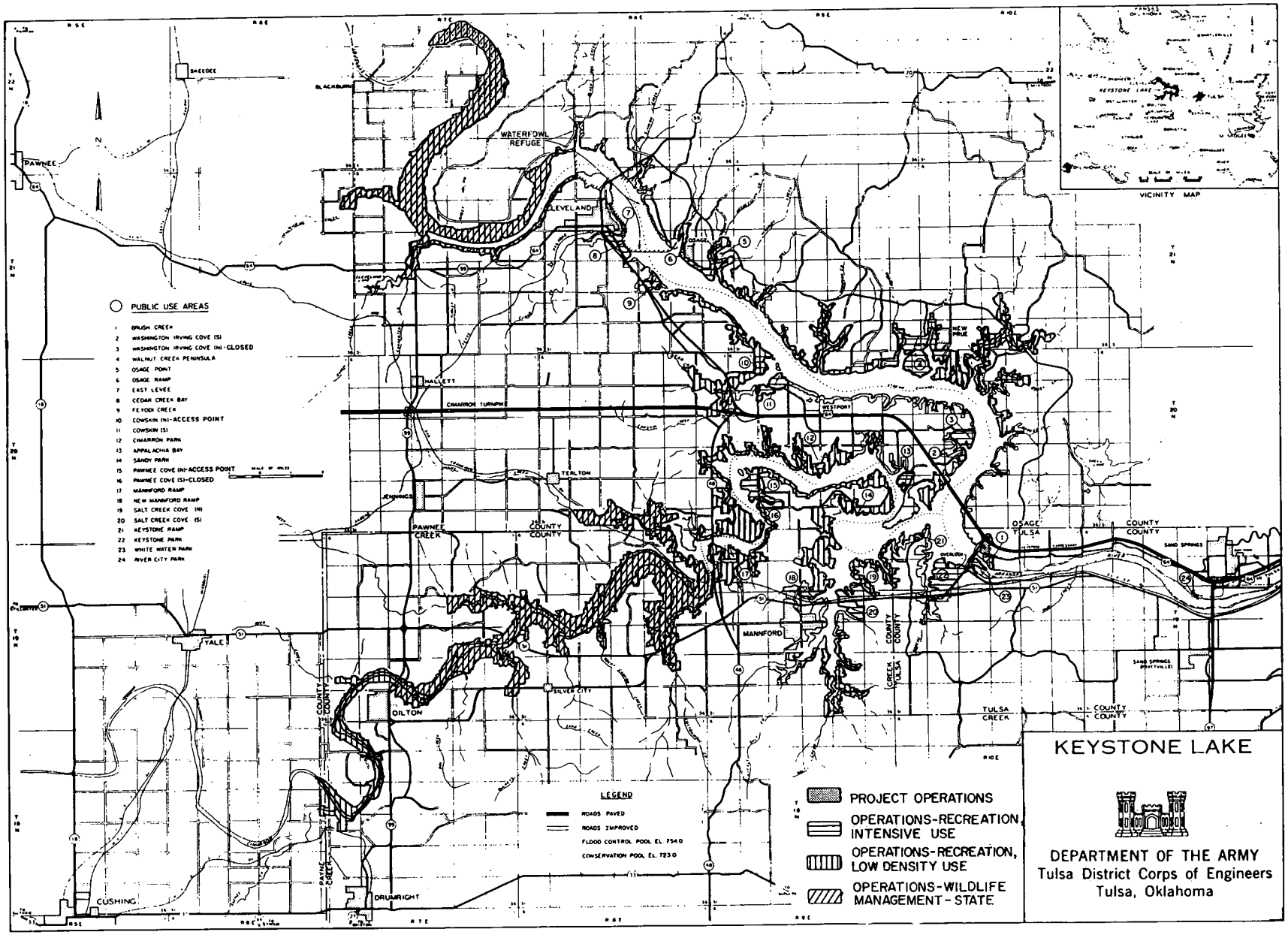
MAP 2-14


LOCALITY MAP
HUGO LAKE
WATERFOWL REFUGE
ANTLERS
PUBLIC USE AREAS
1. RATTAN LANDING
2. FRAZIER POINT
3. VIRGIL POINT
4. WILSON POINT
5. SAWYER BLUFF
6. BRIDGE VIEW
7. KIAMICHI PARK
8. SALT CREEK COVE
NOTE: VISITOR ACCESS TO WATERFOWL REFUGE CLOSED 15 OCT. - 15 FEB.
SCALE OF MILES
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
LEGEND
ROADS-PAVED
ROADS-IMPROVED
FLOOD CONTROL POOL ELEV.-437.5
CONSERVATION POOL ELEV. -404.5
MILES OF SHORELINE AT ELEV. 404.5
HUGO LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

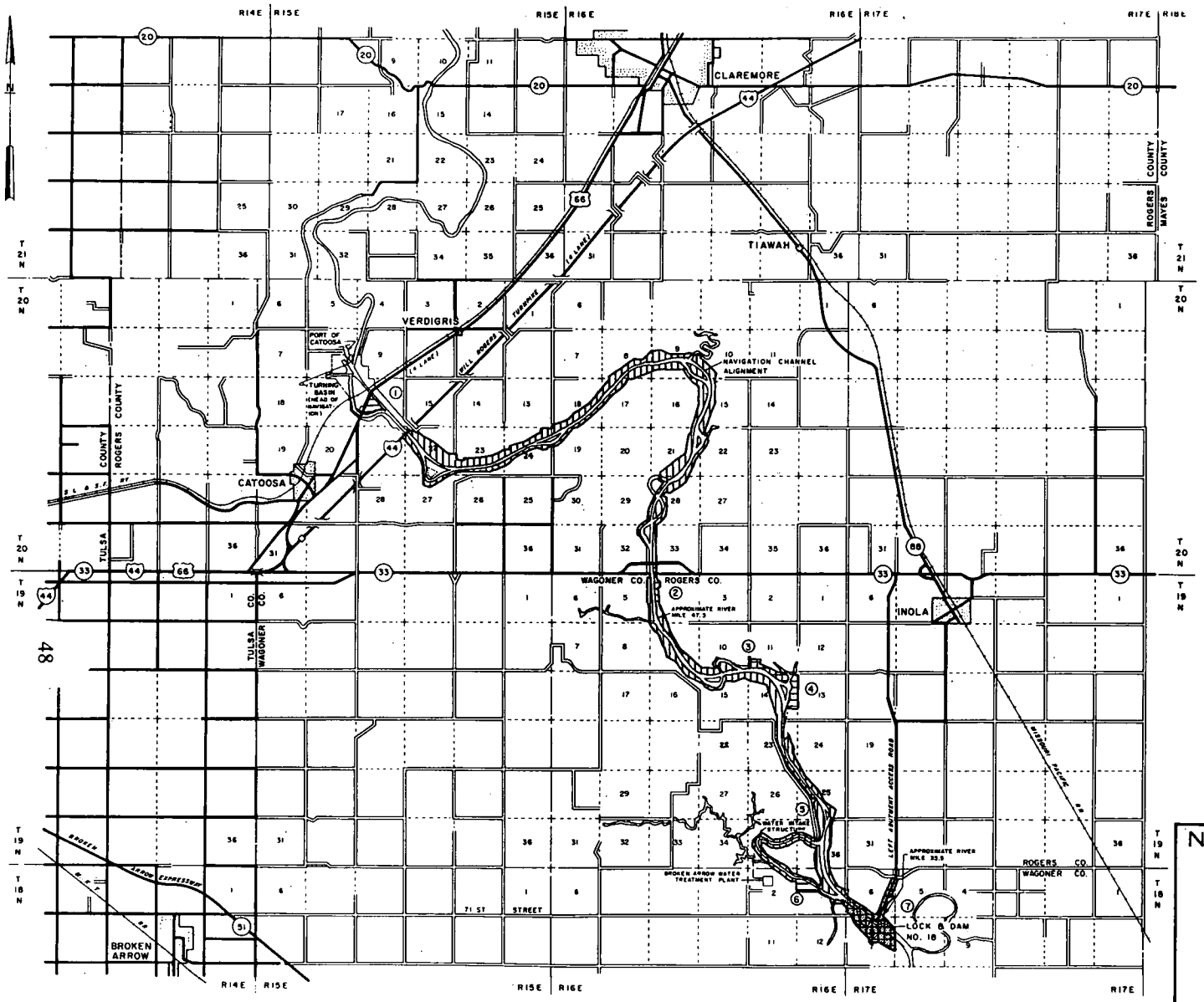
MAP 2-15


ARKANSAS CITY
SILVERDALE
MAPLE CITY
COWLEY COUNTY
KAY COUNTY
OSAGE COUNTY
KANSAS
OKLAHOMA
CHILOCCO INDIAN AGRICULTURAL SCHOOL
HARDY
NEWKIRK
KILDARE
WEBB CITY
KAW CITY
ARKANSAS RIVER
APPERSON
PONCA CITY
BURBANK
OSAGE CO
KAY CO
VICINITY MAP
SCALE OF MILES
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
PUBLIC USE AREAS
1. BEAR CREEK COVE
2. WASHUNGA BAY
3. SARGE CREEK COVE
4. BURBANK LANDING
5. OSAGE COVE
6. SANDY PARK
7. FISHERMAN'S BEND
8. McFADDEN COVE
9. PONCA COVE
10. PIONEER COVE
11. COON CREEK COVE
12. TRADER'S BEND
LEGEND
ROADS - PAVED
ROADS - IMPROVED
FLOOD CONTROL POOL EL. 1044.5
CONSERVATION POOL EL. 1013.0
168 SHORELINE MILES AT EL. 1013.0
SCALE OF MILES
0 1/2 1 2 3
KAW LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

MAP 2-16


KEYSTONE LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
LEGEND
ROADS PAVED
ROADS IMPROVED
FLOOD CONTROL POOL EL 754.0
CONSERVATION POOL EL 723.0
PUBLIC USE AREAS
1 BRUSH CREEK
2 WASHINGTON IRVING COVE (S)
3 WASHINGTON IRVING COVE (N)-CLOSED
4 WALNUT CREEK PENINSULA
5 OSAGE POINT
6 OSAGE RAMP
7 EAST LEVEE
8 CEDAR CREEK BAY
9 FEYODI CREEK
10 COWSKIN (N)-ACCESS POINT
11 COWSKIN (S)
12 CHARRON PARK
13 APPALACHIA BAY
14 SANDY PARK
15 PAWNEE COVE (N)-ACCESS POINT
16 PAWNEE COVE (S)-CLOSED
17 MANNFORD RAMP
18 NEW MANNFORD RAMP
19 SALT CREEK COVE (N)
20 SALT CREEK COVE (S)
21 KEYSTONE RAMP
22 KEYSTONE PARK
23 WHITE WATER PARK
24 RIVER CITY PARK
VICINITY MAP
WATERFOWL REFUGE
CLEVELAND
PAWNEE
SHEEDEE
HALLETT
CHARRON TURNPIKE
TERLTON
JENNINGS
PAWNEE CREEK
YALE
OILTON
SILVER CITY
MANNFORD
OSAGE
TULSA
SAND SPRINGS
TULSA CREEK
CUSHING
DRUMRIGHT
PAYNE CREEK
NEW PRUE
WESTPORT
OVERLOOK

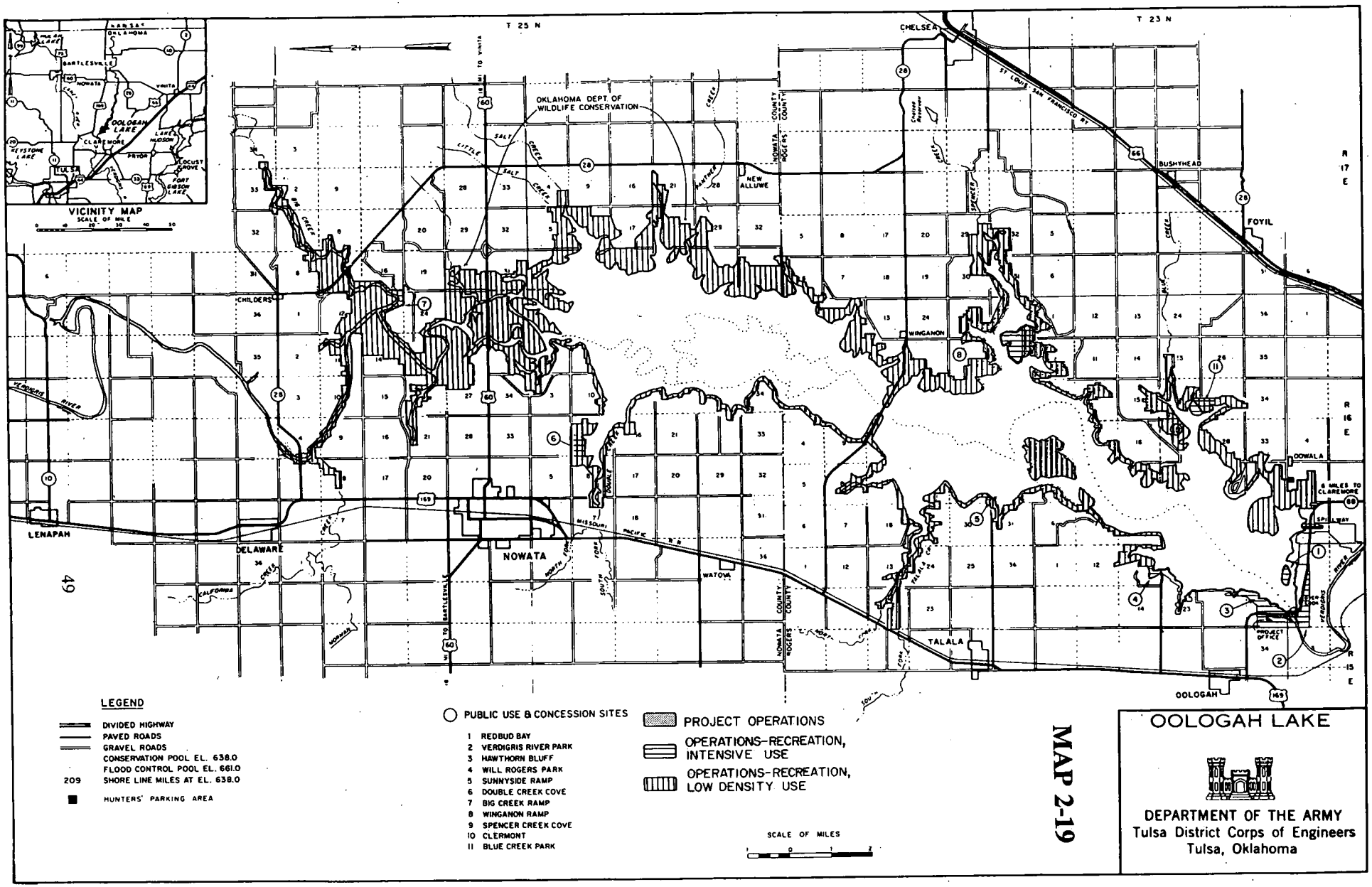
MAP 2-17

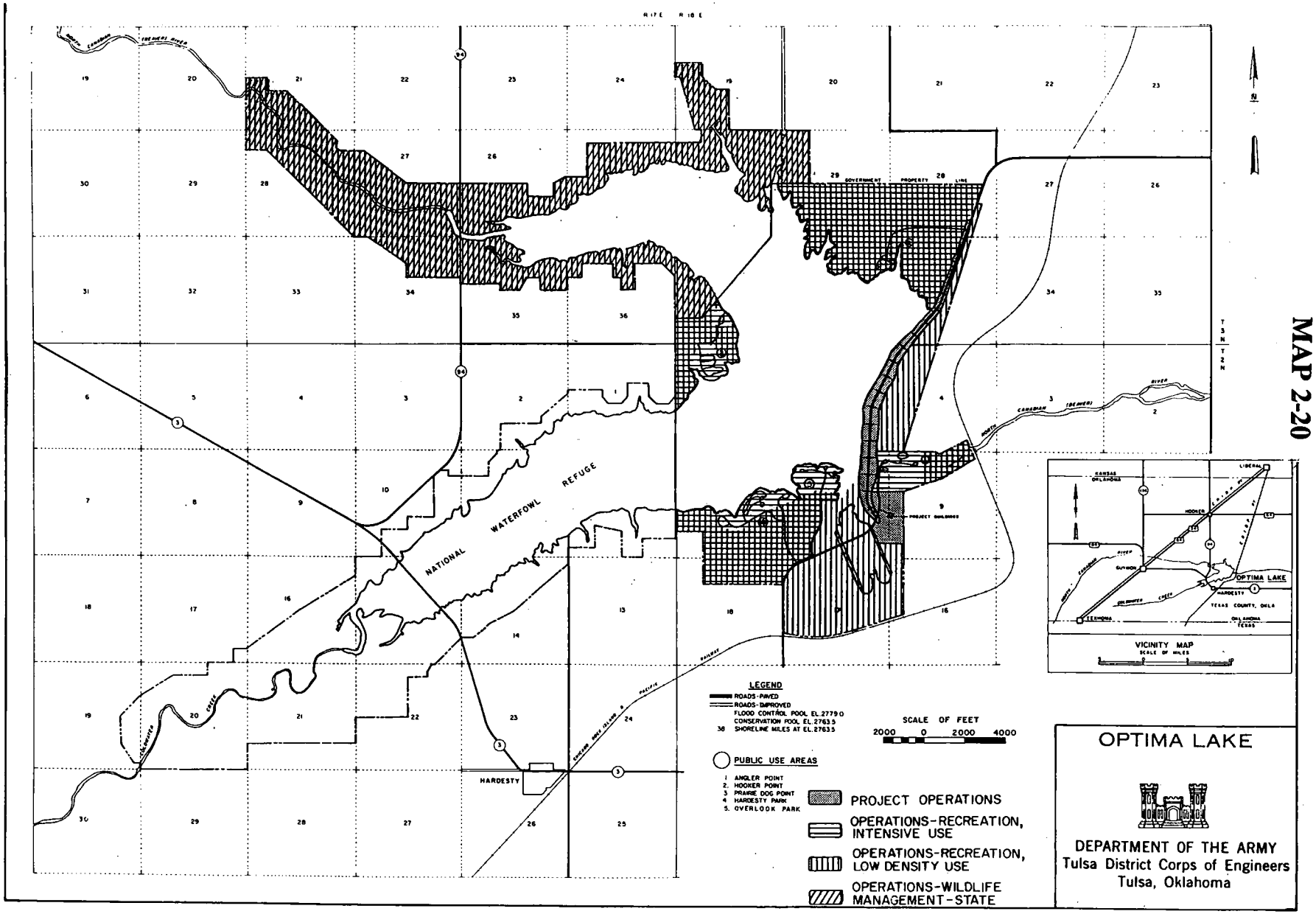


MAP 2-18

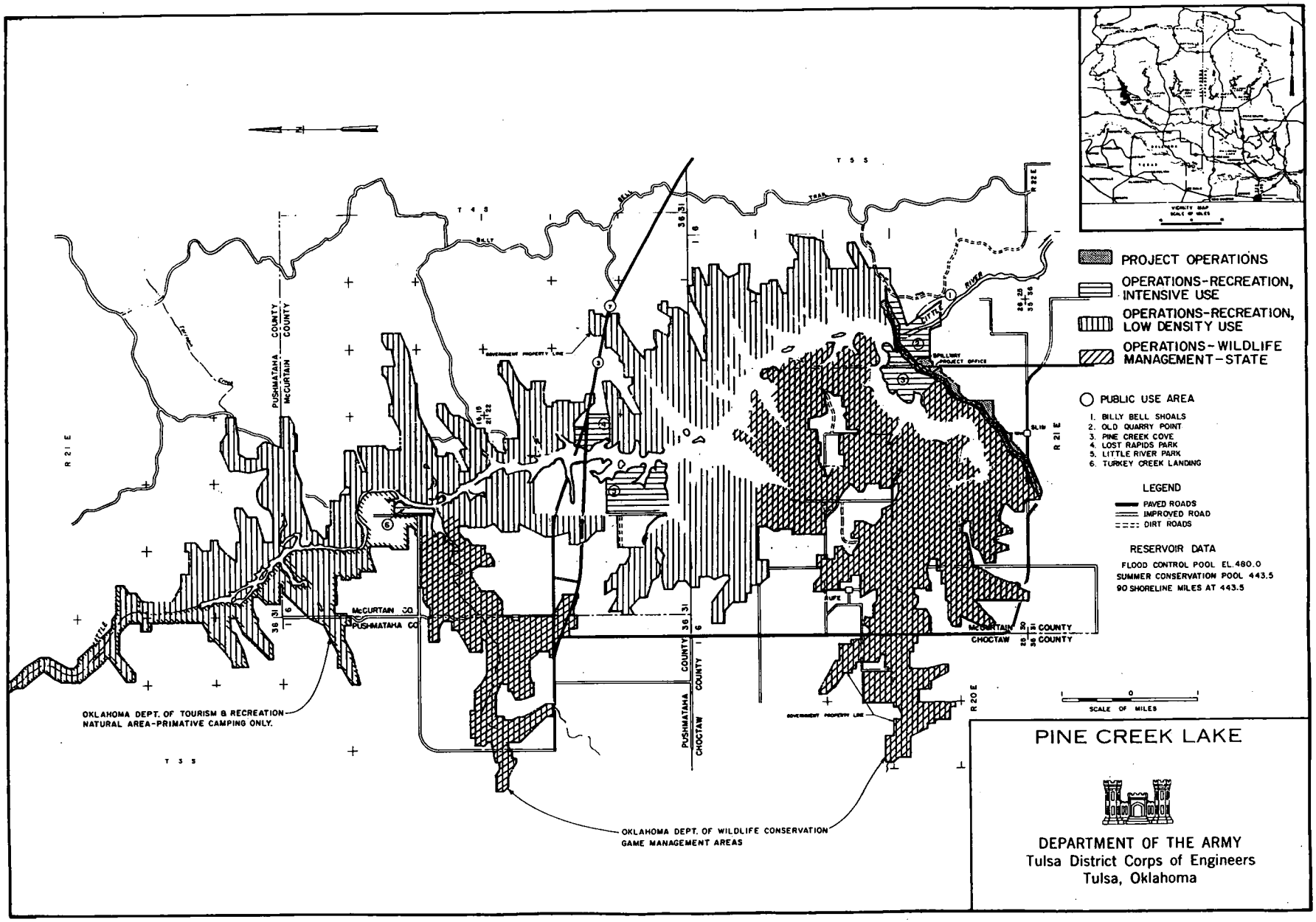
NEWT GRAHAM L & D NO 18

DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

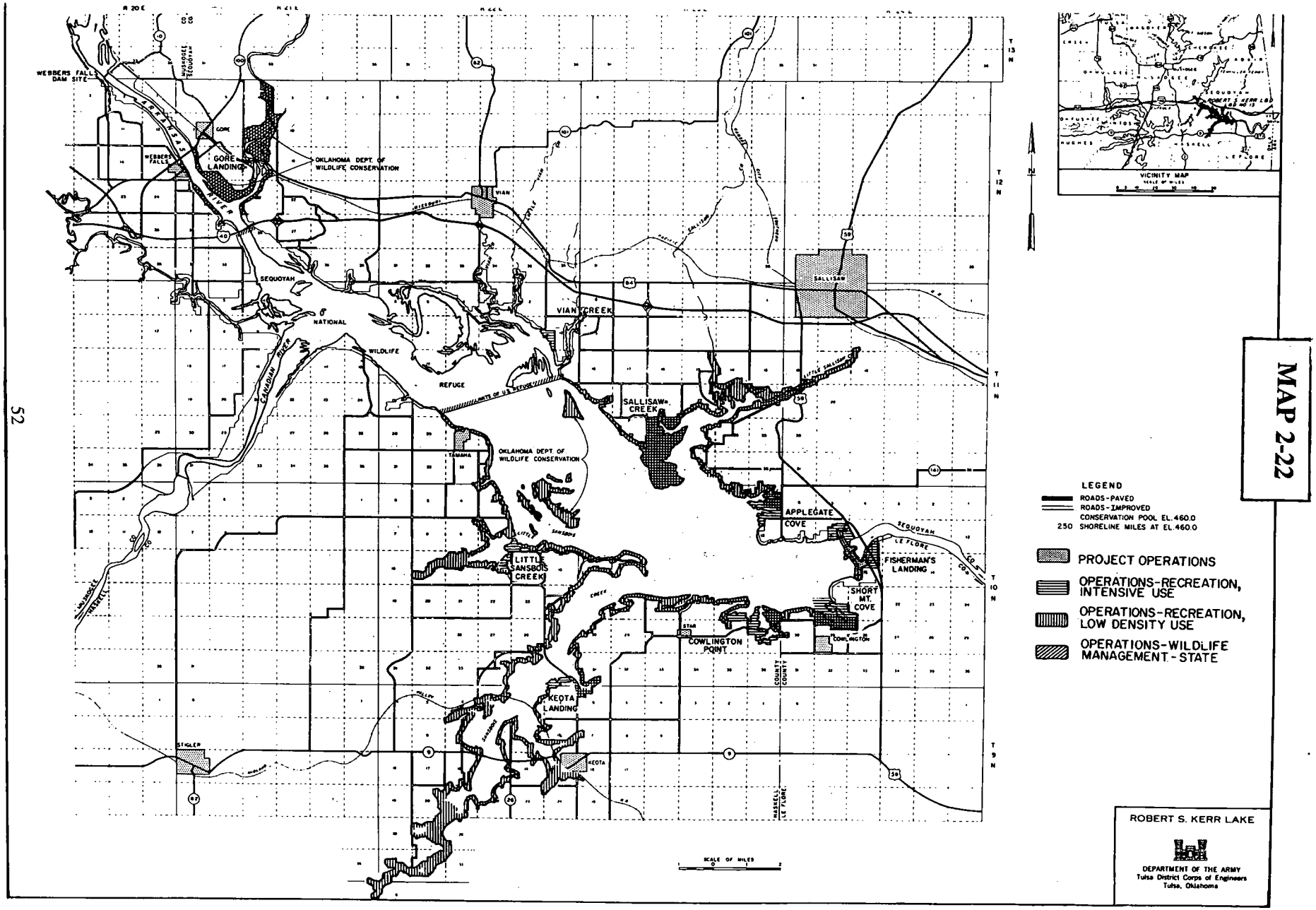

VICINITY MAP
SCALE OF MILE
BARTLESVILLE
NOWATA
VINITA
OOLOGAH LAKE
CLAREMORE
PRYOR
LAKE HUDSON
KEYSTONE LAKE
TULSA
LOCUST GROVE
FORT GIBSON LAKE
T 25 N
T 23 N
R 17 E
R 16 E
R 15 E
OKLAHOMA DEPT OF WILDLIFE CONSERVATION
CHELSEA
BUSHYHEAD
FOYIL
NEW ALLUWE
CHILDERS
WINGANON
DOWALA
6 MILES TO CLAREMORE
SPILLWAY
LENAPAH
DELAWARE
NOWATA
WATOVA
TALALA
OOLOGAH
PROJECT OFFICE
VERDIGRIS RIVER
SALT CREEK
LITTLE SALT CREEK
BIG CREEK
CALIFORNIA CREEK
NORTH FORK
SOUTH FORK
MISSOURI PACIFIC R.R.
ST LOUIS SAN FRANCISCO RY
NOWATA COUNTY
ROGERS COUNTY
LEGEND
DIVIDED HIGHWAY
PAVED ROADS
GRAVEL ROADS
CONSERVATION POOL EL. 638.0
FLOOD CONTROL POOL EL. 661.0
209 SHORE LINE MILES AT EL. 638.0
HUNTERS' PARKING AREA
PUBLIC USE & CONCESSION SITES
1 REDBUD BAY
2 VERDIGRIS RIVER PARK
3 HAWTHORN BLUFF
4 WILL ROGERS PARK
5 SUNNYSIDE RAMP
6 DOUBLE CREEK COVE
7 BIG CREEK RAMP
8 WINGANON RAMP
9 SPENCER CREEK COVE
10 CLERMONT
11 BLUE CREEK PARK
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
SCALE OF MILES
MAP 2-19
OOLOGAH LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

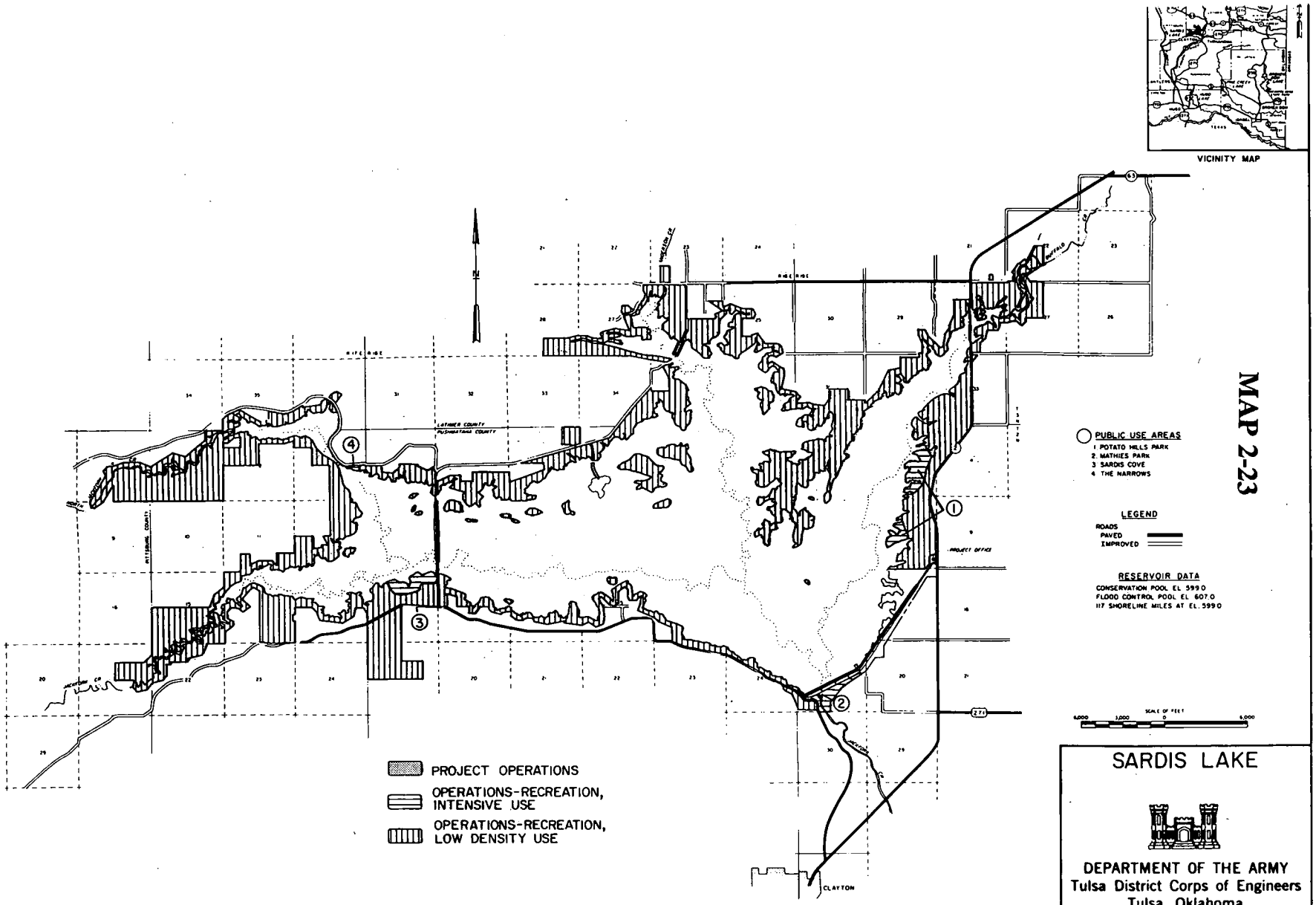

R 17 E R 18 E
T 3 N
T 2 N
NORTH CANADIAN RIVER
GOVERNMENT PROPERTY LINE
NATIONAL WATERFOWL REFUGE
PROJECT BUILDINGS
HARDESTY
CHICAGO, ROCK ISLAND & PACIFIC RAILROAD
LEGEND
ROADS-PAVED
ROADS-IMPROVED
FLOOD CONTROL POOL EL. 2779.0
CONSERVATION POOL EL. 2763.5
38 SHORELINE MILES AT EL. 2763.5
PUBLIC USE AREAS
1. ANGLER POINT
2. HOOKER POINT
3. PRAIRIE DOG POINT
4. HARDESTY PARK
5. OVERLOOK PARK
SCALE OF FEET
2000 0 2000 4000
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
KANSAS
OKLAHOMA
LIBERAL
HOOKER
GUYMON
OPTIMA LAKE
HARDESTY
TEXAS COUNTY, OKLA
LEXINGTON
OKLAHOMA
TEXAS
VICINITY MAP
SCALE OF MILES
OPTIMA LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

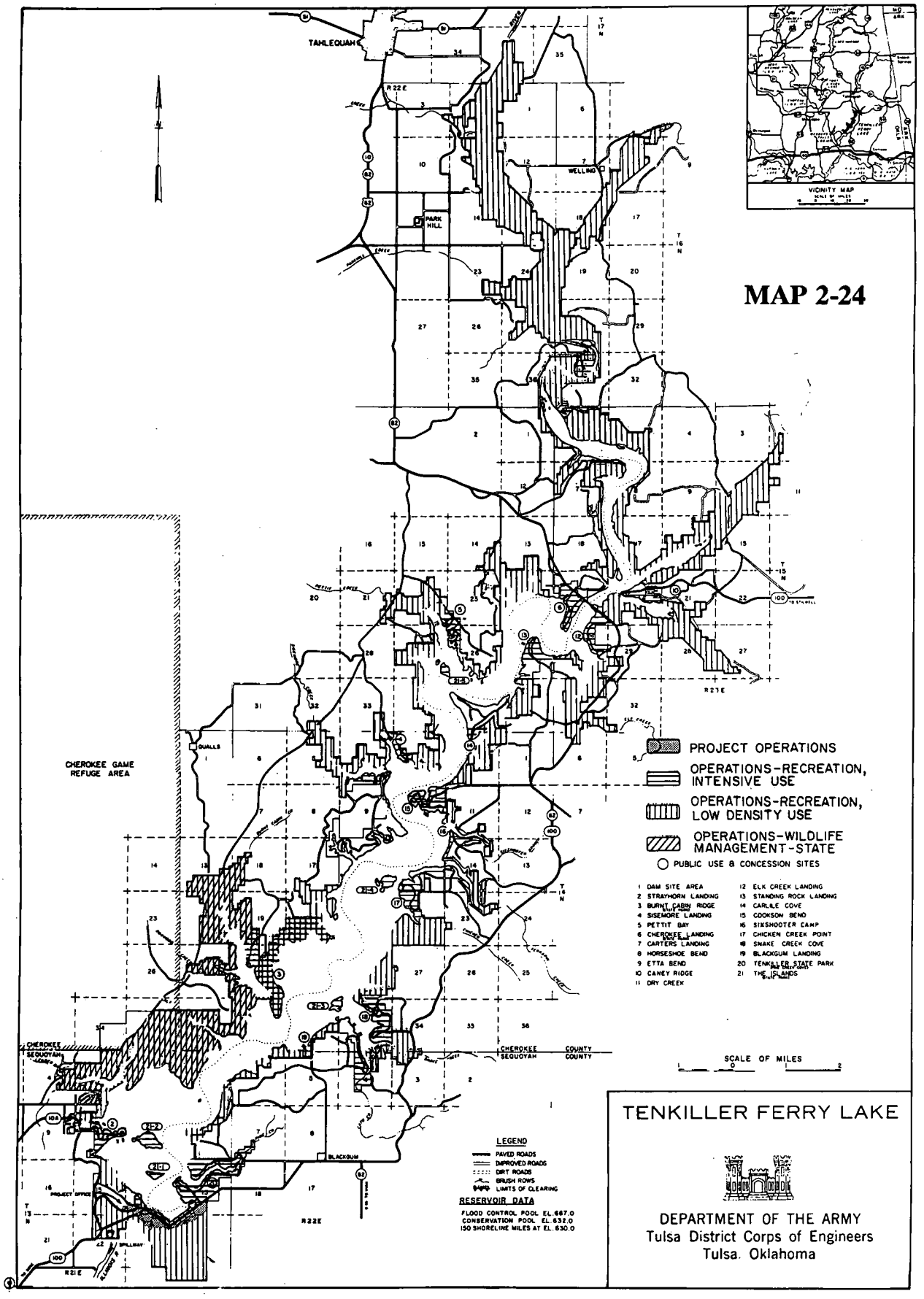
MAP 2-20

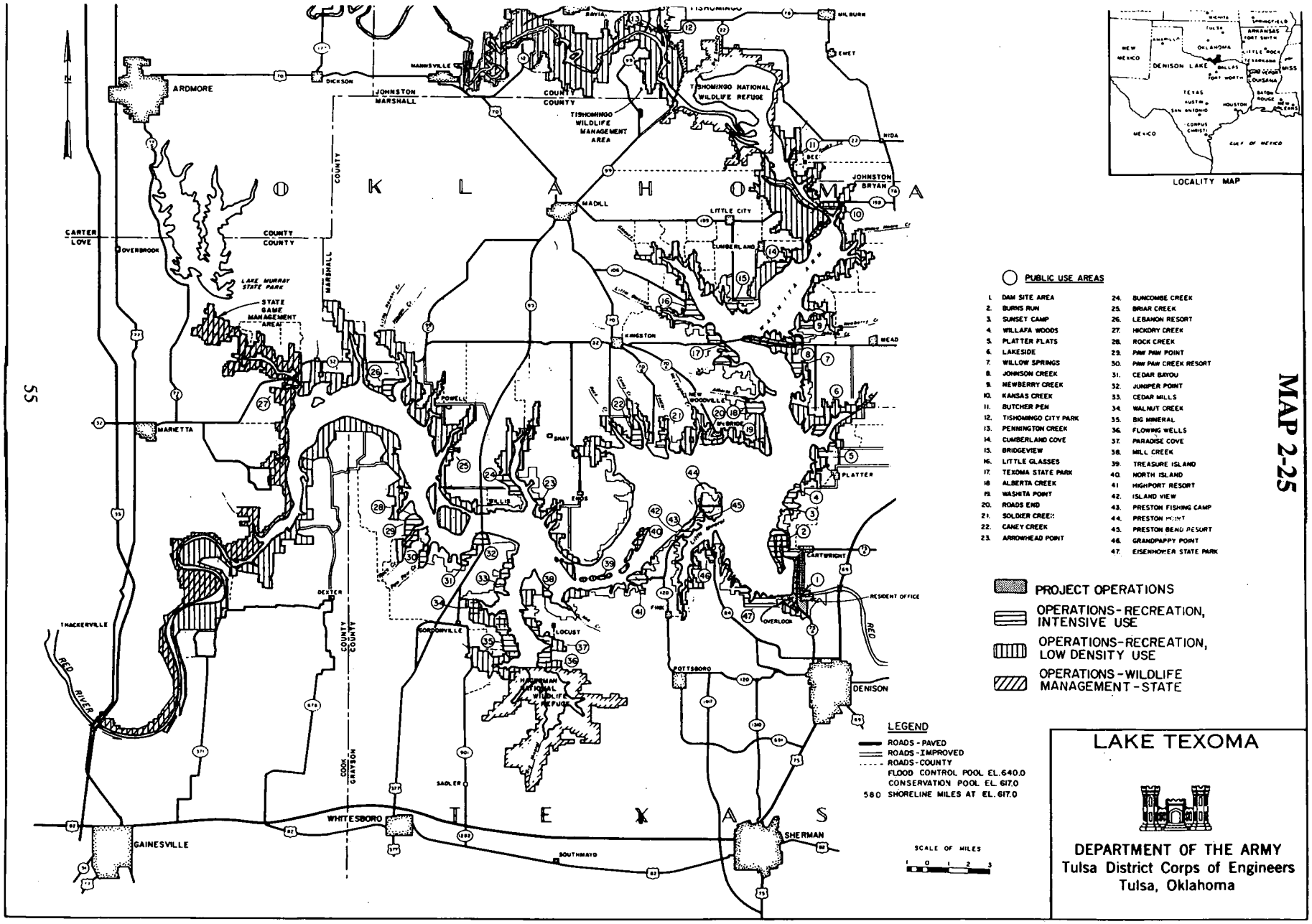

PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
PUBLIC USE AREA
1. BILLY BELL SHOALS
2. OLD QUARRY POINT
3. PINE CREEK COVE
4. LOST RAPIDS PARK
5. LITTLE RIVER PARK
6. TURKEY CREEK LANDING
LEGEND
PAVED ROADS
IMPROVED ROAD
DIRT ROADS
RESERVOIR DATA
FLOOD CONTROL POOL EL. 480.0
SUMMER CONSERVATION POOL 443.5
90 SHORELINE MILES AT 443.5
SCALE OF MILES
PINE CREEK LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma
OKLAHOMA DEPT. OF TOURISM & RECREATION NATURAL AREA-PRIMATIVE CAMPING ONLY.
OKLAHOMA DEPT. OF WILDLIFE CONSERVATION GAME MANAGEMENT AREAS
GOVERNMENT PROPERTY LINE
SPILLWAY PROJECT OFFICE
PUSHMATAHA COUNTY
McCURTAIN COUNTY
CHOCTAW COUNTY
R 21 E
R 20 E
R 22 E
T 4 S
T 5 S
T 3 S

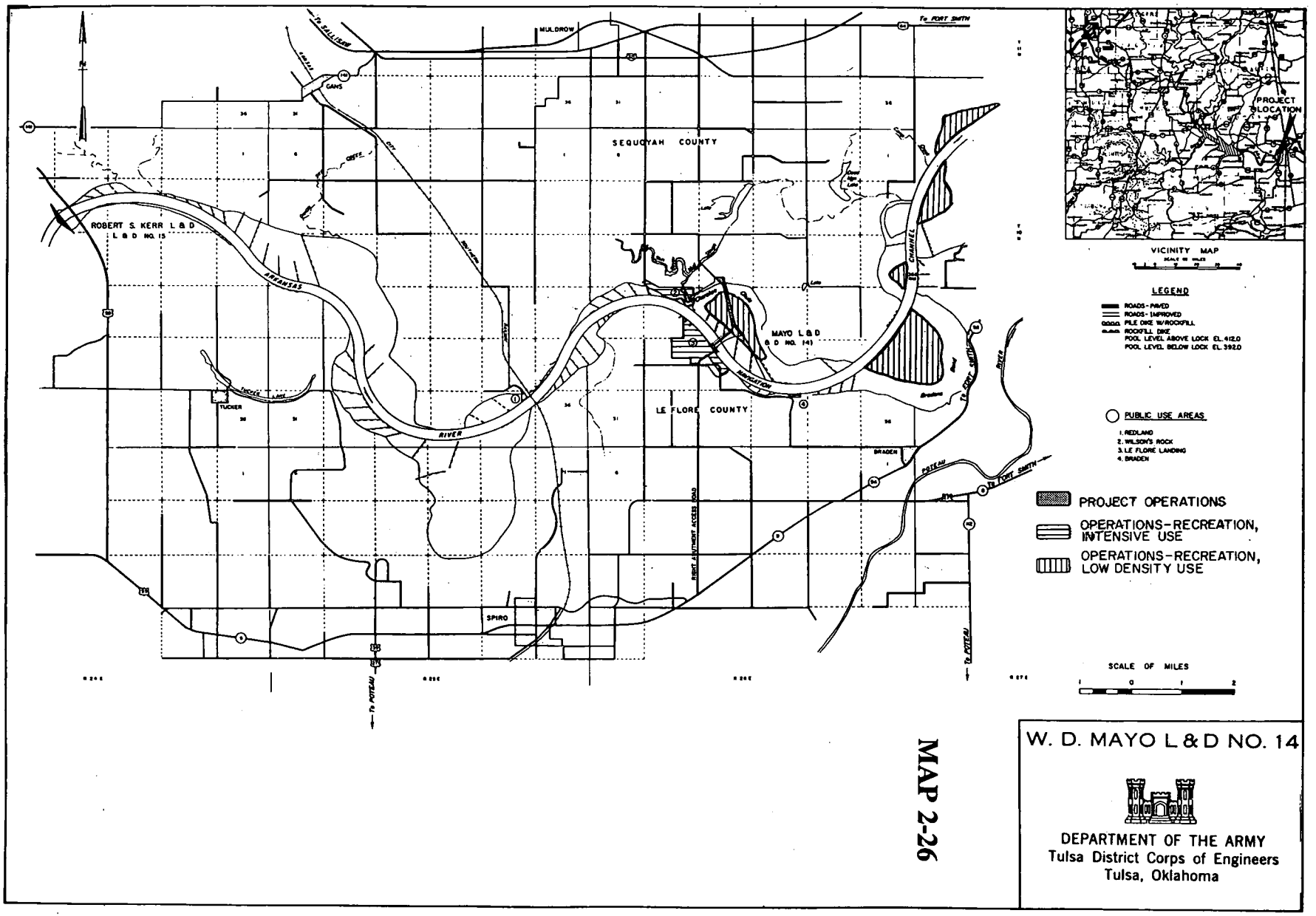
MAP 2-21


MAP 2-22
WEBBERS FALLS DAM SITE
WEBBERS FALLS
GORE LANDING
OKLAHOMA DEPT. OF WILDLIFE CONSERVATION
SEQUOYAH NATIONAL WILDLIFE REFUGE
VIAN CREEK
SALLISAW CREEK
OKLAHOMA DEPT. OF WILDLIFE CONSERVATION
APPLEGATE COVE
FISHERMAN'S LANDING
SHORT MT. COVE
COWLINGTON POINT
LITTLE SANSBOIS CREEK
KEOTA LANDING
STIGLER
LEGEND
ROADS-PAVED
ROADS-IMPROVED
CONSERVATION POOL EL. 460.0
250 SHORELINE MILES AT EL. 460.0
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
VICINITY MAP
ROBERT S. KERR LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

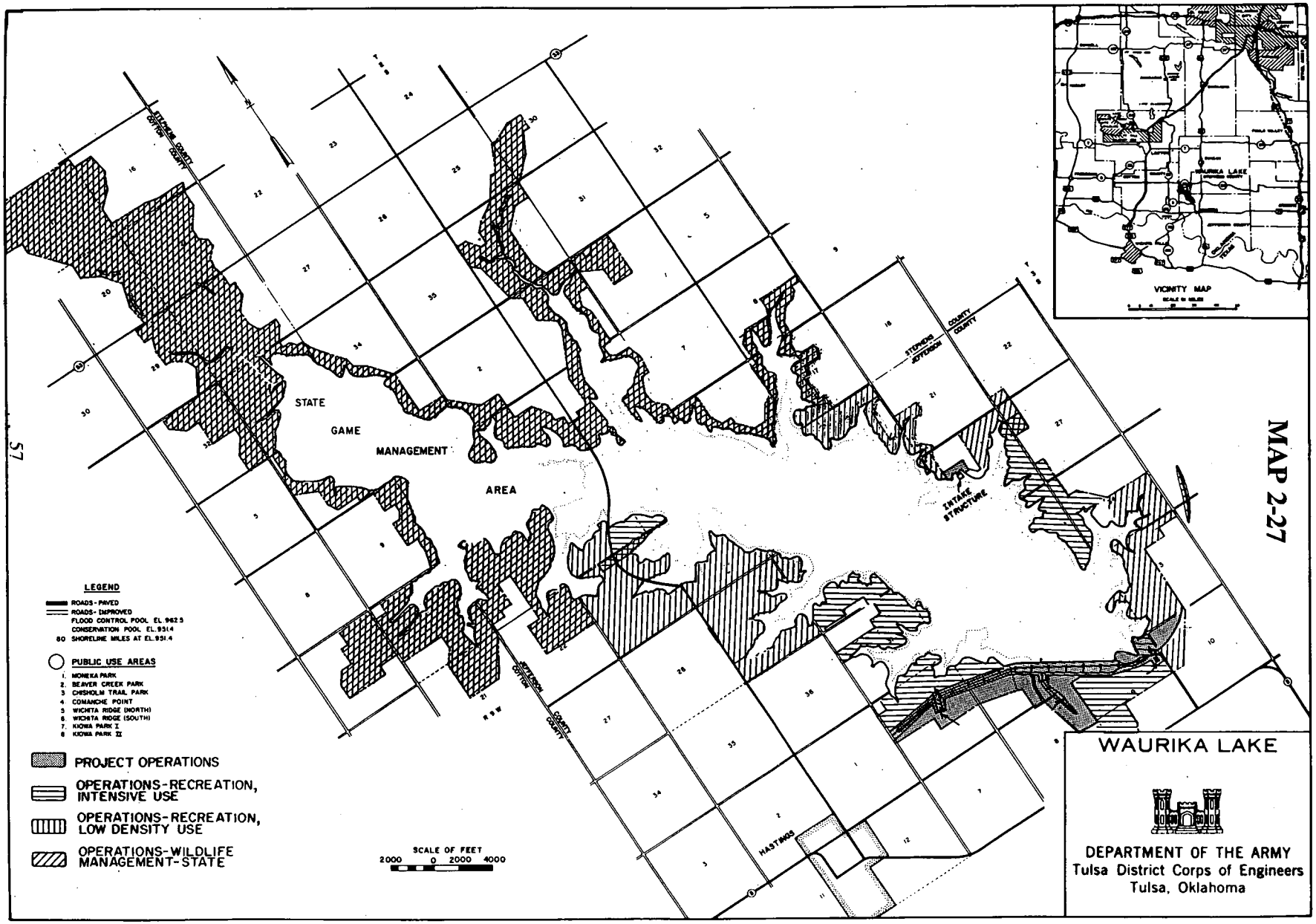

VICINITY MAP
MAP 2-23
PUBLIC USE AREAS
1 POTATO HILLS PARK
2 MATHIES PARK
3 SARDIS COVE
4 THE NARROWS
LEGEND
ROADS
PAVED
IMPROVED
RESERVOIR DATA
CONSERVATION POOL EL 599.0
FLOOD CONTROL POOL EL 607.0
117 SHORELINE MILES AT EL. 599.0
SCALE OF FEET
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
PROJECT OFFICE
CLAYTON
LATIMER COUNTY
PUSHMATAHA COUNTY
PITTSBURG COUNTY
SARDIS LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

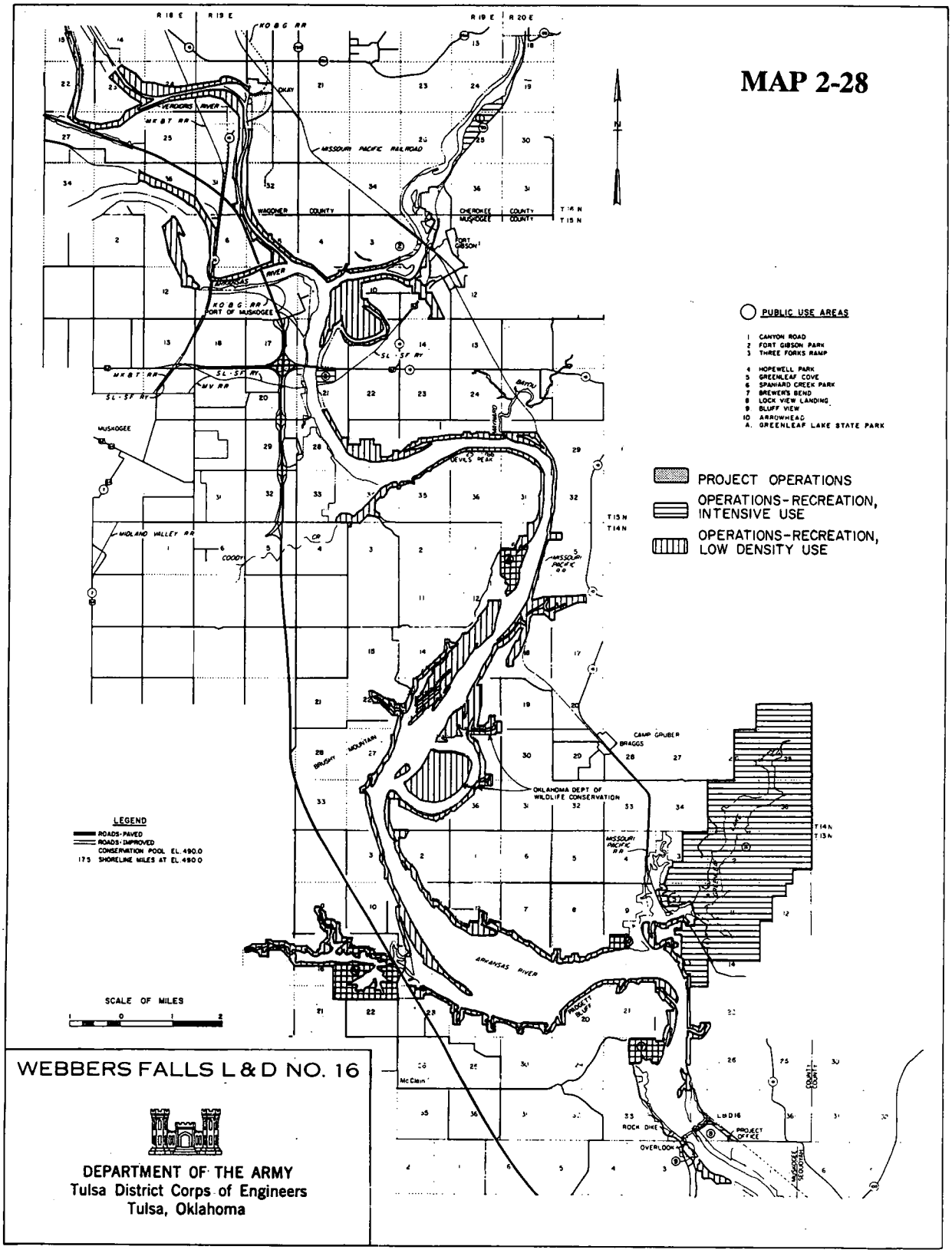

MAP 2-24
TAHLEQUAH
WELLING
PARK HILL
QUALLS
CHEROKEE GAME REFUGE AREA
BLACKGUM
PROJECT OFFICE
SPILLWAY
R22E
R21E
T 17 N
T 16 N
T 15 N
T 14 N
T 13 N
CHEROKEE COUNTY
SEQUOYAH COUNTY
VICINITY MAP
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
PUBLIC USE & CONCESSION SITES
1 DAM SITE AREA
2 STRAYHORN LANDING
3 BURNT CABIN RIDGE
4 SISEMORE LANDING
5 PETTIT BAY
6 CHEROKEE LANDING
7 CARTERS LANDING
8 HORSESHOE BEND
9 ETTA BEND
10 CANEY RIDGE
11 DRY CREEK
12 ELK CREEK LANDING
13 STANDING ROCK LANDING
14 CARLILE COVE
15 COOKSON BEND
16 SIXSHOOTER CAMP
17 CHICKEN CREEK POINT
18 SNAKE CREEK COVE
19 BLACKGUM LANDING
20 TENKILLER STATE PARK
21 THE ISLANDS
SCALE OF MILES
LEGEND
PAVED ROADS
IMPROVED ROADS
DIRT ROADS
BRUSH ROWS
LIMITS OF CLEARING
RESERVOIR DATA
FLOOD CONTROL POOL EL. 667.0
CONSERVATION POOL EL. 632.0
150 SHORELINE MILES AT EL. 630.0
TENKILLER FERRY LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

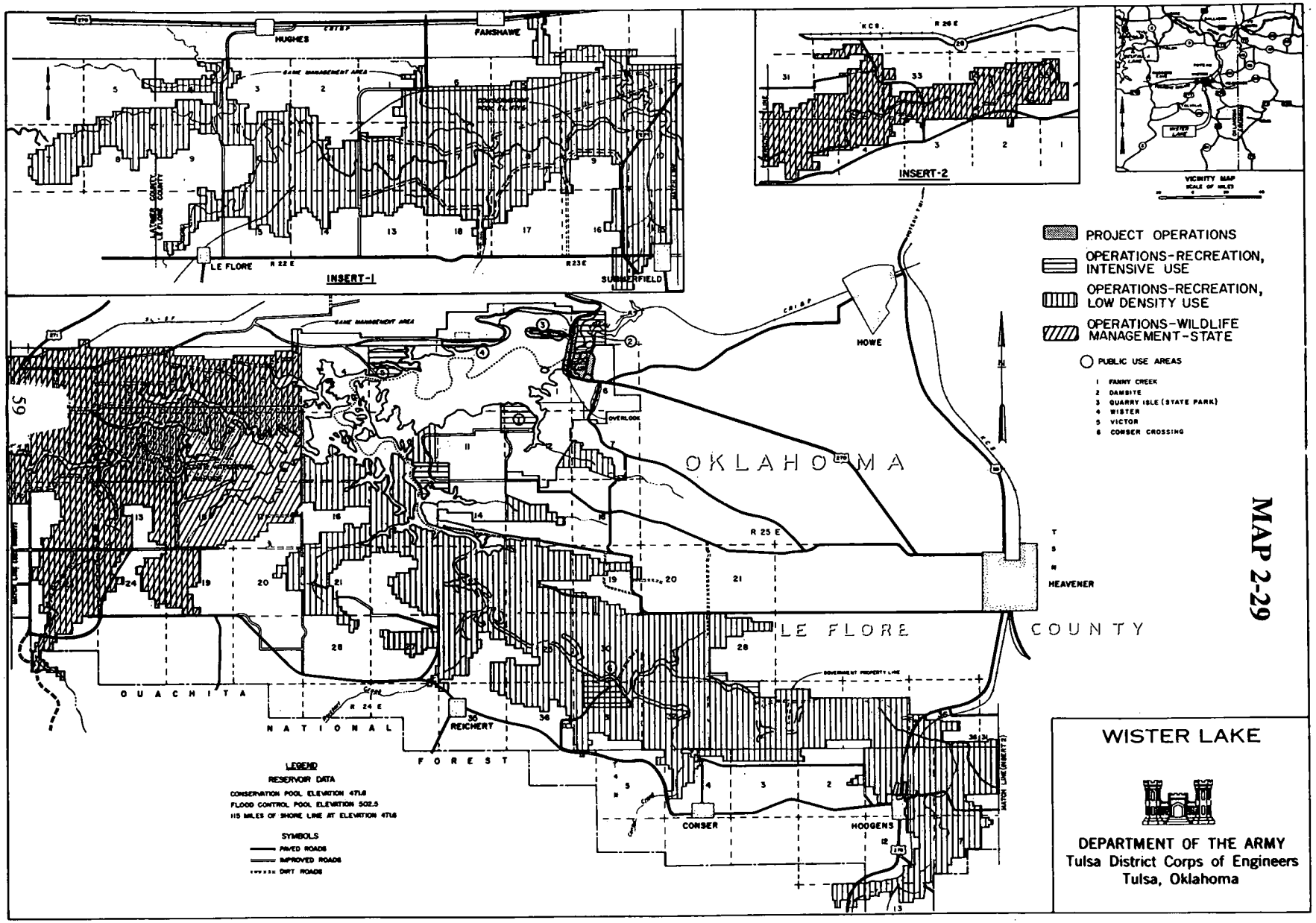

MAP 2-25
LAKE TEXOMA
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma
PUBLIC USE AREAS
1. DAM SITE AREA
2. BURNS RUN
3. SUNSET CAMP
4. WILLAFA WOODS
5. PLATTER FLATS
6. LAKESIDE
7. WILLOW SPRINGS
8. JOHNSON CREEK
9. NEWBERRY CREEK
10. KANSAS CREEK
11. BUTCHER PEN
12. TISHOMINGO CITY PARK
13. PENNINGTON CREEK
14. CUMBERLAND COVE
15. BRIDGEVIEW
16. LITTLE GLASSES
17. TEXOMA STATE PARK
18. ALBERTA CREEK
19. WASHITA POINT
20. ROADS END
21. SOLDIER CREEK
22. CANEY CREEK
23. ARROWHEAD POINT
24. BUNCOMBE CREEK
25. BRIAR CREEK
26. LEBANON RESORT
27. HICKORY CREEK
28. ROCK CREEK
29. PAW PAW POINT
30. PAW PAW CREEK RESORT
31. CEDAR BAYOU
32. JUNIPER POINT
33. CEDAR MILLS
34. WALNUT CREEK
35. BIG MINERAL
36. FLOWING WELLS
37. PARADISE COVE
38. MILL CREEK
39. TREASURE ISLAND
40. NORTH ISLAND
41. HIGHPORT RESORT
42. ISLAND VIEW
43. PRESTON FISHING CAMP
44. PRESTON POINT
45. PRESTON BEND RESORT
46. GRANDPAPPY POINT
47. EISENHOWER STATE PARK
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
LEGEND
ROADS-PAVED
ROADS-IMPROVED
ROADS-COUNTY
FLOOD CONTROL POOL EL. 640.0
CONSERVATION POOL EL. 617.0
580 SHORELINE MILES AT EL. 617.0
SCALE OF MILES
LOCALITY MAP
OKLAHOMA
TEXAS
ARDMORE
MARIETTA
GAINESVILLE
WHITESBORO
SHERMAN
DENISON
POTTSBORO
MADILL
KINGSTON
POWELL
LITTLE CITY
CUMBERLAND
TISHOMINGO NATIONAL WILDLIFE REFUGE
TISHOMINGO WILDLIFE MANAGEMENT AREA
LAKE MURRAY STATE PARK
STATE GAME MANAGEMENT AREA
RED RIVER
THACKERVILLE
DEXTER
GORDONVILLE
LOCUST
SADLER
SOUTHMAYD
OVERLOOK
RESIDENT OFFICE
CARTWRIGHT
PLATTER
MEAD
NIDA
DEE
EMET
WILBURN
MANNSVILLE
DICKSON
JOHNSTON
MARSHALL
COUNTY
CARTER
LOVE
OVERBROOK
COOK
GRAYSON
BRYAN
NEW WOODVILLE
WASHITA PT.
SHAW
ELLIS
FINK
BURNS
SARVIS
TISHOMINGO
NEW MEXICO
TEXAS
OKLAHOMA
ARKANSAS
LOUISIANA
MISS
DENISON LAKE
DALLAS
FORT WORTH
AUSTIN
SAN ANTONIO
HOUSTON
CORPUS CHRISTI
BATON ROUGE
NEW ORLEANS
MEXICO
GULF OF MEXICO
TULSA
WICHITA
AMARILLO
SPRINGFIELD
FORT SMITH
LITTLE ROCK
SHREVEPORT


MULDROW
To FORT SMITH
To SALLISAW
GANS
SEQUOYAH COUNTY
ROBERT S. KERR L & D
L & D NO. 15
ARKANSAS
RIVER
MAYO L & D
L & D NO. 14
NAVIGATION
CHANNEL
TUCKER
LE FLORE COUNTY
BRADEN
POTEAU
RIVER
To FORT SMITH
SPIRO
To POTEAU
PROJECT LOCATION
VICINITY MAP
LEGEND
ROADS - PAVED
ROADS - IMPROVED
PILE DIKE W/ROCKFILL
ROCKFILL DIKE
POOL LEVEL ABOVE LOCK EL. 412.0
POOL LEVEL BELOW LOCK EL. 392.0
PUBLIC USE AREAS
1. REDLAND
2. WILSON'S ROCK
3. LE FLORE LANDING
4. BRADEN
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
SCALE OF MILES
W. D. MAYO L & D NO. 14
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

MAP 2-26


MAP 2-27
WAURIKA LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma
VICINITY MAP
STATE
GAME
MANAGEMENT
AREA
INTAKE STRUCTURE
HASTINGS
LEGEND
ROADS - PAVED
ROADS - IMPROVED
FLOOD CONTROL POOL EL. 962.5
CONSERVATION POOL EL. 951.4
80 SHORELINE MILES AT EL. 951.4
PUBLIC USE AREAS
1. MONEKA PARK
2. BEAVER CREEK PARK
3. CHISHOLM TRAIL PARK
4. COMANCHE POINT
5. WICHITA RIDGE (NORTH)
6. WICHITA RIDGE (SOUTH)
7. KIOWA PARK I
8. KIOWA PARK II
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
SCALE OF FEET
2000 0 2000 4000


MAP 2-28
PUBLIC USE AREAS
1 CANYON ROAD
2 FORT GIBSON PARK
3 THREE FORKS RAMP
4 HOPEWELL PARK
5 GREENLEAF COVE
6 SPANIARD CREEK PARK
7 BREWER'S BEND
8 LOCK VIEW LANDING
9 BLUFF VIEW
10 ARROWHEAD
A. GREENLEAF LAKE STATE PARK
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
LEGEND
ROADS-PAVED
ROADS-IMPROVED
CONSERVATION POOL EL. 490.0
175 SHORELINE MILES AT EL. 490.0
SCALE OF MILES
WEBBERS FALLS L & D NO. 16
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma
MISSOURI PACIFIC RAILROAD
ARKANSAS RIVER
MUSKOGEE
FORT GIBSON
CAMP GRUBER
BRAGGS
OKLAHOMA DEPT OF WILDLIFE CONSERVATION
ROCK DIKE
OVERLOOK
PROJECT OFFICE
L&D 16
McClain


INSERT-1
INSERT-2
VICINITY MAP
HUGHES
FANSHAWE
LE FLORE
SUMMERFIELD
HOWE
HEAVENER
REICHERT
CONSER
HODGENS
OKLAHOMA
LE FLORE COUNTY
OUACHITA NATIONAL FOREST
R 22 E
R 23 E
R 24 E
R 25 E
T 5 N
PROJECT OPERATIONS
OPERATIONS-RECREATION, INTENSIVE USE
OPERATIONS-RECREATION, LOW DENSITY USE
OPERATIONS-WILDLIFE MANAGEMENT-STATE
PUBLIC USE AREAS
1 FANNY CREEK
2 DAMSITE
3 QUARRY ISLE (STATE PARK)
4 WISTER
5 VICTOR
6 CONSER CROSSING
LEGEND
RESERVOIR DATA
CONSERVATION POOL ELEVATION 471.6
FLOOD CONTROL POOL ELEVATION 502.5
115 MILES OF SHORE LINE AT ELEVATION 471.6
SYMBOLS
PAVED ROADS
IMPROVED ROADS
DIRT ROADS
WISTER LAKE
DEPARTMENT OF THE ARMY
Tulsa District Corps of Engineers
Tulsa, Oklahoma

MAP 2-29

U.S. DEPARTMENT OF DEFENSE MILITARY LANDS

Department of Defense (DOD) lands acquired or withdrawn for military purposes are available for oil and gas leasing subject to DOD leasing stipulations and the particular uses of a specific base or facility. There are two active Army military reservations within the State, Fort Sill and the McAlester Army Ammunition Plant, one National Guard Facility, Camp Gruber and three active Air Force facilities, Altus, Tinker and Vance Air Force Bases. All Air Force facilities are located within the city limits of Altus, Oklahoma City and Enid respectively and are not subject to leasing.

FORT SILL MILITARY RESERVATION (Map 2-30)

94,220 acres

Fort Sill is a 94,220 acre U.S. Army base located adjacent to the city of Lawton in Comanche County. The base is characterized by the gently rolling topography of the southern Great Plains and the rocky outcrops of the Wichita Mountains. The principal vegetation types present on the base include short, mid and tall grasses, blackjack oak and post oak. The entire military reservation is used for military purposes and contains both developed and undeveloped areas. All oil and gas leasing and operations are subject to approval of the base commander. If any Ft. Sill lands are leased for oil and gas they would be subject to standard DOD stipulations which require NSO within 2,000 feet of structures and developments.

SMA Lease Stipulations

NSO on approximately 94,220 acres.

Should Federal minerals at Fort Sill be available for lease, stipulations as described above would apply.

CAMP GRUBER (Map 2-31)

33,000 acres

Camp Gruber, an Oklahoma National Guard training facility, is located approximately 3 miles east of the city of Muskogee in Muskogee and Cherokee counties. This 33,000 acre facility, located in the Cookson Hills, is characterized by steep, heavily wooded hills and open grassland. The dominant vegetation is oak-hickory and postoak-blackjack woodlands and tallgrass prairie. Camp Gruber is operated by three Oklahoma State agencies under license from the DOD. The state agencies responsible for managing Camp Gruber are the Oklahoma Military Department, the ODWC and the OTRD. Surface use of Camp Gruber for mineral development is severely limited by military uses which have resulted in areas containing unexploded military ordinance. Other areas of Camp Gruber have been identified as habitat of the American burying beetle, an endangered species. Leases, if issued, would be subject to highly restricted SMA stipulations.

SMA Lease Stipulations

NSO on approximately 33,000 acres.

Should Federal minerals at Camp Gruber be available for lease, stipulations as described above would apply.

McALESTER U.S. ARMY AMMUNITION DEPOT (Map 2-32)

44,956 acres

The McAlester U.S. Army Ammunition Depot (USAAD) is located approximately 2 miles southwest of the city of McAlester in Pittsburg county. This 44,956 acre facility is by characterized rolling wooded hills and open grasslands. The dominant vegetation is oak-hickory and postoak-blackjack woodlands. Depot lands are open to leasing, subject to DOD stipulations. Areas on the perimeter of the depot are currently under lease with NSO/DD stipulations. Areas within the depot, not currently under lease are not likely to be leased due to the presence of depot facilities and the requirement for NSO within 2,000 feet.

SMA Lease Stipulations

NSO on approximately 44,956 acres.

Should Federal minerals at McAlester USAAD be available for lease, stipulations as described above would apply.

U.S.DEPARTMENT OF AGRICULTURE, AGRICULTURAL RESEARCH SERVICE
10,000 acres

The USDA, Agricultural Research Service (ARS) administers lands within Canadian, Harper and Woodward counties. The majority of these ARS lands in are within the cities of El Reno and Woodward respectively, and are not generally open for leasing.

SMA Lease Stipulations

NSO on approximately 2,000 acres.

Should Federal minerals administered by ARS in Harper and Woodward counties not in city limits be available for lease, stipulations as described above would apply.

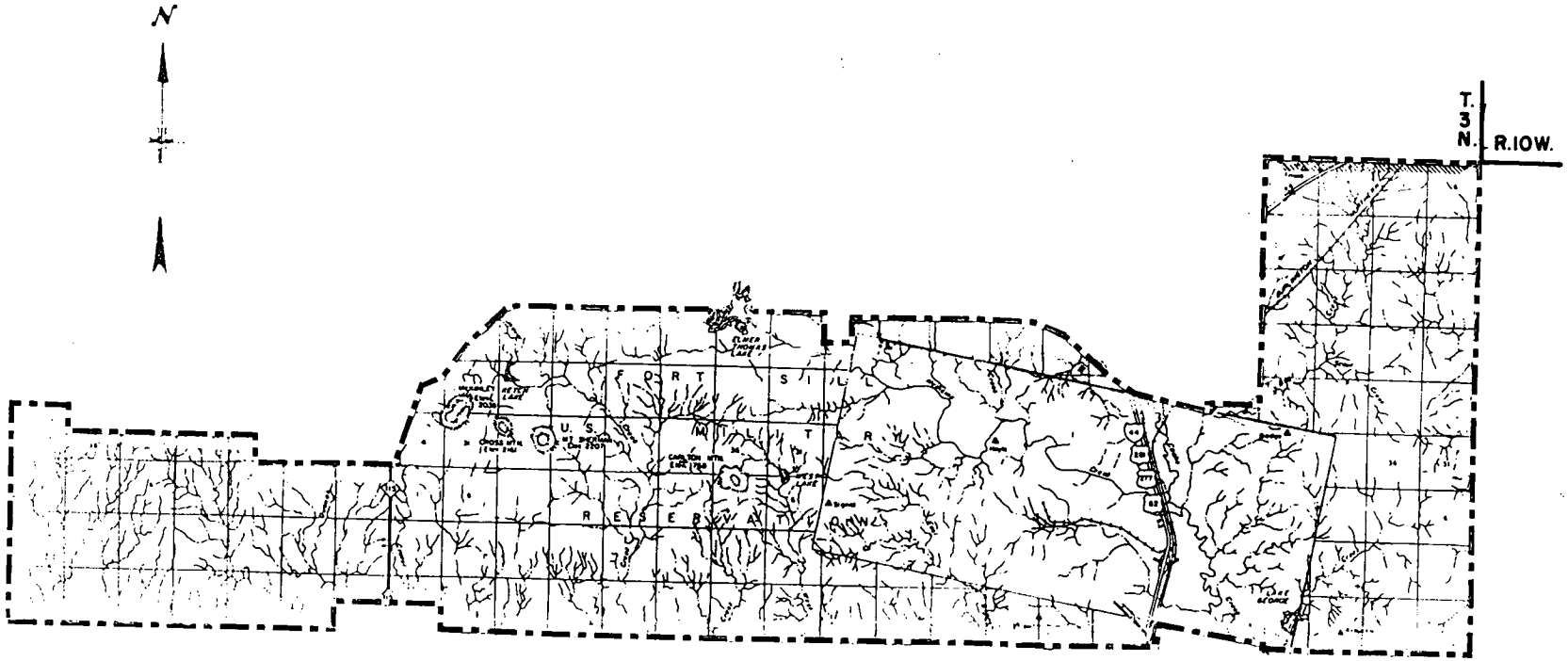
U.S.DEPARTMENT OF JUSTICE, BUREAU OF PRISONS
3,500 Acres

The Bureau of Prisons (BP) El Reno facility is entirely within the city limits of El Reno. The Federal minerals under the prison are being drained by existing off site wells. The BP has not consented to allow leasing at this time. Under the proposed RMP any lease at this facility would carry a NSO stipulation.

SPLIT-ESTATE TRACTS

Included within the Oklahoma RMP/EIS area are over 579,000 acres of split-estate minerals located on over 2,000 tracts within 69 of Oklahoma's 77 counties. A complete list of split-estate tracts included in this planning effort are described in Appendix 1.

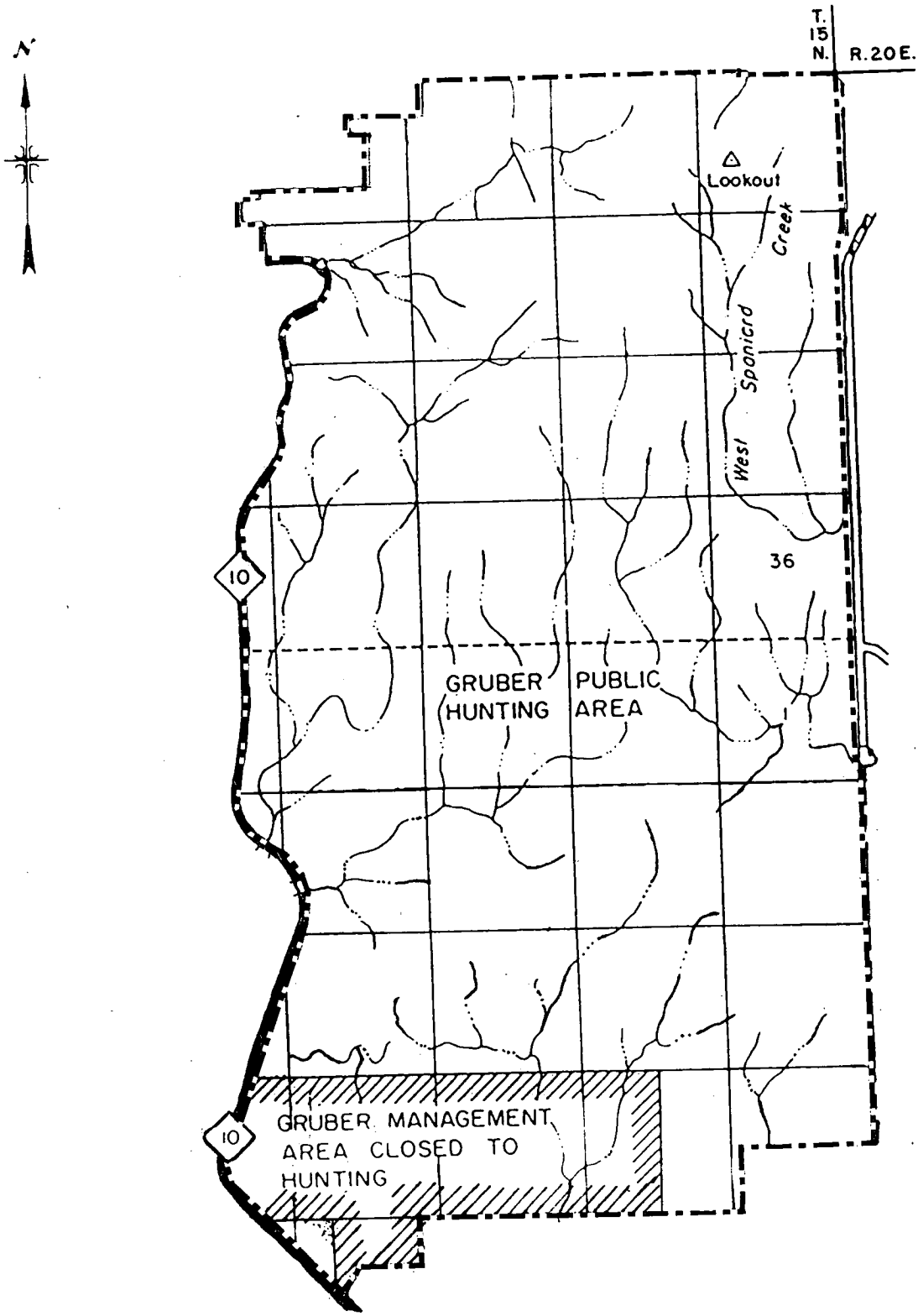
FORT SILL

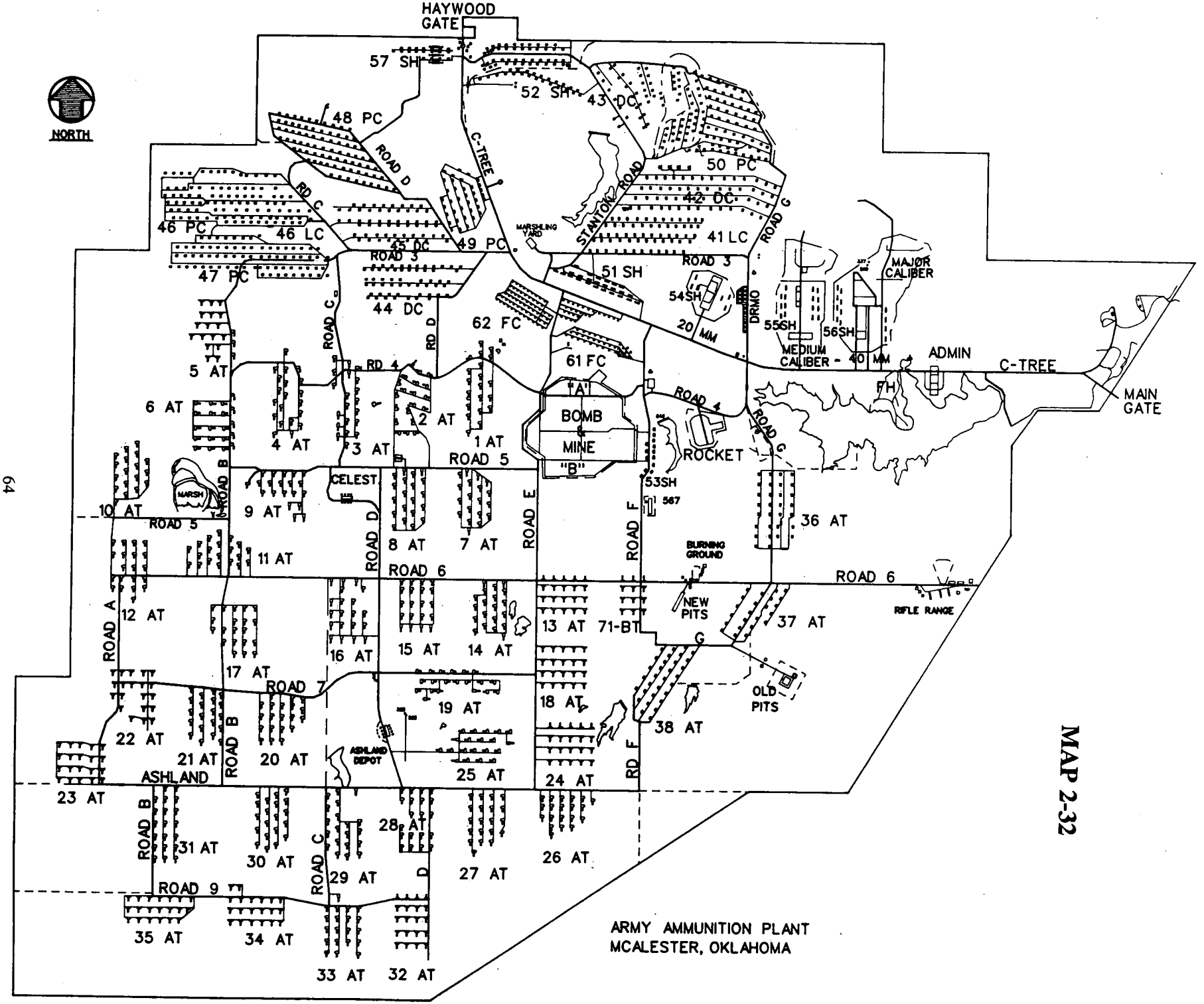


MAP 2-30

CAMP GRUBER

MAP 2-31




HAYWOOD GATE
NORTH
57 SH
52 SH
43 DC
48 PC
ROAD D
C-TREE
50 PC
STANTON ROAD
42 DC
ROAD G
RD C
46 PC
46 LC
45 DC
49 PC
MARSHLING YARD
41 LC
ROAD 3
47 PC
51 SH
54SH
DRMO
MAJOR CALIBER
44 DC
62 FC
20 MM
55SH
56SH
MEDIUM CALIBER - 40 MM
ADMIN
C-TREE
MAIN GATE
5 AT
ROAD C
RD D
RD 4
61 FC
"A"
BOMB
MINE
"B"
ROAD 4
ROAD G
FH
6 AT
4 AT
3 AT
2 AT
1 AT
ROAD 5
ROCKET
MARSH
ROAD B
CELEST
53SH
567
10 AT
9 AT
ROAD 5
ROAD D
8 AT
7 AT
ROAD E
ROAD F
36 AT
11 AT
BURNING GROUND
ROAD 6
ROAD 6
12 AT
NEW PITS
37 AT
RIFLE RANGE
ROAD A
13 AT
71-BT
16 AT
15 AT
14 AT
17 AT
ROAD 7
19 AT
18 AT
OLD PITS
22 AT
21 AT
ROAD B
20 AT
ASHLAND DEPOT
38 AT
25 AT
24 AT
RD F
ASHLAND
23 AT
ROAD B
28 AT
31 AT
30 AT
ROAD C
29 AT
27 AT
26 AT
ROAD 9
35 AT
34 AT
33 AT
32 AT
ARMY AMMUNITION PLANT
MCALESTER, OKLAHOMA

MAP 2-32

RMP FOR ISSUE 2. FEDERAL COAL TRACTS IN OKLAHOMA ACCEPTABLE FOR FURTHER CONSIDERATION FOR LEASING.

The Federal Coal Areas described below have been evaluated by use of the four coal planning screens. These tracts have been determined to have; (1) development potential, (2) the Unsuitability Criteria as described in Chapter One have been applied, (3) been analyzed for surface owner non-consent to lease, and (4) multiple use values analyzed and described.

(1) Coal Development Potential

Surface minable Federal coal deposits identified by industry were evaluated by the BLM to determine development potential. The development potential of the Federal coal deposits was based upon coal quality, quantity, depth of overburden, and coal stripping depth.

(2) Unsuitability Criteria

Four of the twenty unsuitability criteria have been identified as relevant to this land use planning effort, these are; Number 2, Rights-of-Way or Easements; Number 3, Buffer Zones along Rights-of-Way and Residences; Number 11, Active Eagle Nest Sites and Appropriate Buffer; and Number 16, Floodplains. The remaining 16 criterion do not apply to southeast Oklahoma Federal coal lands for the reasons described.

Criterion Number 1. All Federal lands included in the following land systems or categories shall be considered unsuitable: National Park System, National Wildlife Refuge System, National System of Trails, National Wilderness Preservation System, National Wild and Scenic Rivers System, National Recreation Areas, lands acquired with money derived from the Land and Water Conservation Fund, National Forests, and Federal lands in incorporated cities, towns, and villages.

No lands contained in the listed descriptions are within the identified coal area.

Criterion Number 2. Federal lands that are within rights-of-way or easements or within surface leases for residential, commercial, industrial, or other public purposes, on federally owned surface shall be considered unsuitable.

Criterion number 2 has been applied for each coal area.

Criterion Number 3. Upon petition, if an area is designated not technologically and economically feasible for reclamation, incompatible with existing state or local land use plans or programs, will affect fragile or historic lands (cultural, scientific, aesthetic value, or natural systems), will affect renewable resource lands(water supply, food, or fiber), and will affect natural hazard lands (frequent flooding). This includes lands within 100 feet of a cemetery, or within 300 feet on any public building, school, church, community or institutional building or public park or within 300 feet of an occupied dwelling.

Criterion number 3 has been applied for each coal area.

Criterion Number 4. Federal land designated as wilderness study area shall be considered unsuitable while under review by the Administration and the Congress for possible wilderness designation.

No lands contained in the listed description are within the identified coal area.

Criterion Number 5. Scenic Federal lands designated by visual resource management analysis as Class I (an areas of outstanding scenic quality or high vessel sensitivity) but not currently on the National Register of Natural Landmarks shall be considered unsuitable.

No lands contained in the listed description are within the identified coal area.

Criterion Number 6. Federal lands under permit by the surface management agency, and being used for scientific studies involving food or fiber production, natural resources, or technology demonstrations and experiments shall be considered unsuitable for the duration of the study demonstration or experiment, except where mining could be conducted in such a way as to enhance or not jeopardize the purposes of the study, as determined by the surface management agency, or where the principal scientific user or agency gives written concurrence to all or certain methods of mining.

No lands contained in the listed description are within the identified coal area.

Criterion Number 7. All publicly or privately owned places which are included in the National Register of Historic Places shall be considered unsuitable. This shall include any area, after consultation with the Advisory Council on Historic Preservation and the State Historic Preservation Officer, are necessary to protect the inherent values of the property that made it eligible for listing in the National Register.

No lands contained on the National Register of Historic Places are located within the identified coal area.

Criterion Number 8. Federal lands designated as natural areas or as National Natural Landmarks shall be considered unsuitable.

No lands contained in the listed description are within the identified coal area.

Criterion Number 9. Federally designated critical habitat for listed threatened or endangered plant and animal species, and habitat proposed to be designated as critical for listed threatened or endangered plant and animal species or species proposed for listing, and habitat for Federal threatened or endangered species which is determined by the Fish and Wildlife Service and the surface management agency to be of essential value and where the presence of threatened or endangered species has been scientifically documented, shall be considered unsuitable.

No lands contained in the listed description are within the identified coal area.

Criterion Number 10. Federal lands containing habitat determined to be critical or essential for plant or animal species listed by a state as endangered or threatened shall be considered unsuitable.

No lands contained in the listed description are within the identified coal area.

Criterion Number 11. A bald or golden eagle nest or site on Federal lands that is determined to be active and an appropriate buffer zone of land around the nest site shall be considered unsuitable.

Criterion number 11 has been applied for each coal area.

Criterion Number 12. Bald and golden eagle roost and concentration area on Federal lands used during migration and wintering shall be considered unsuitable.

No lands contained in the listed description are within the identified coal area.

Criterion Number 13. Federal lands containing a falcon (excluding kestrel) cliff nesting site with an active nest and a buffer zone of Federal land around the nest site shall be considered unsuitable.

No lands contained in the listed description are within the identified coal area.

Criterion Number 14. Federal lands which are high priority habitat for migratory bird species of high Federal interest on a regional or national basis, as determined jointly by the surface management agency and the Fish and Wildlife Service, shall be considered unsuitable.

No lands contained in the listed description are within the identified coal area.

Criterion Number 15. Federal lands which the surface management agency and the state jointly agree are habitat for resident species of fish, wildlife, and plants of high interest to the state and which are essential for maintaining these priority wildlife and plant species shall be considered unsuitable. Examples of such lands which serve a critical function for the species involved include:

(i) Active dancing and strutting grounds for sage grouse, sharp-tailed grouse, and prairie chicken;

(ii) Winter ranges crucial for deer, antelope, and elk;

(iii) Migration corridor for elk; and

(iv) Extremes of range for plant species.

No lands contained in the listed description are within the identified coal area.

Criterion Number 16. Federal lands in riverine, coastal and special floodplains (100-year recurrence interval) on which the surface management agency determines that mining could not be undertaken without substantial threat of loss of life or property shall be considered unsuitable for all or certain stipulated methods of coal mining.

Criterion number 16 has been applied for each coal area.

Criterion Number 17. Federal lands which have been committed by the surface management agency to use as municipal watersheds shall be considered unsuitable.

No lands contained in the listed description are within the identified coal area.

Criterion Number 18. Federal lands with National Resource Waters, as identified by states in their water quality management plans, and a buffer zone of Federal lands 1/4 mile from the outer edge of the far banks of the water, shall be unsuitable.

No lands contained in the listed description are within the identified coal area.

Criterion Number 19. Federal lands identified as alluvial valley floors, where mining would interrupt, discontinue, or preclude farming, shall be considered unsuitable. Additionally, when mining Federal land outside an alluvial valley floor would materially damage

the quantity or quality of water in surface or underground water systems that would supply alluvial valley floors, the land shall be considered unsuitable.

Criterion Number 19, Federal lands identified as alluvial valley floors, only applies west of the 100th meridian of longitude. Thus is not applicable in eastern Oklahoma.

Criterion Number 20. Federal lands in a state to which is applicable a criterion (i) proposed by the state or Indian tribe located in the planning area, and (ii) adopted by rulemaking by the Secretary, shall be considered unsuitable.

No lands contained in the listed description are within the identified coal area.

(3) Multiple-Use Values

The multiple-use values and management considerations identified in the coal areas include: paleontological resource protection, wetland and riparian zone protection, SSS non-designated critical habitat protection and visual resource protection.

(4) Surface Owner Consultation

The surface owner consultation process is designed to determine the surface owners' preferences for or against mining by other than underground mining techniques. This process may result in elimination of lands for further leasing consideration if significant opposition exists. This process is preliminary to the actual surface owner consent process where an absolute determination is necessary.

In an effort to identify surface owners overlying the industry nominated, surface minable, Federal coal reserves, the BLM used a variety of public records from within the coal bearing counties. On October 23, 1992, the ORA mailed 1,183 letters and listings of all nominated Federal coal tract legal descriptions to parties identified as being the owners or taxpayers of these surface lands. Due to the voluminous information processed, all parties identified were assumed to be qualified surface owners for the purpose of this mailing. The letters solicited the completion of an accompanying form, which asked for the complete legal description(s) of land owned, whether or not the party had previously granted written consent to mine by other than underground mining techniques, and whether or not the party expressed a preference against mining by other than underground mining techniques. As of January 20, 1993, eighty-four of the letters were returned as undeliverable. Of the remaining 1,099 letters presumed to have been delivered, two hundred twenty-six responses were received. Sixty-eight of these responses, or 6 percent of the delivered letters, expressing a preference against mining by other than underground techniques of the Federal coal under the surface which they owned. One hundred forty-five responses, or 13 percent, were in favor of mining by other than underground techniques, and 13 responses, or 1 percent expressed no opinion, were undecided, or had no comment. A failure to respond to the solicitation letter was presumed to indicate no preference against mining.

As a result of our review, it was determined that the identified opposition to surface mining was not significant enough to delete any of the coal areas from further consideration for leasing based on the requirements contained in 43 CFR 3420.1-4 (4)(ii).
It should be stressed that no Federal coal that is to be mined by other than underground methods may be leased on split-estate lands until consent is formally acquired from all directly affected qualified surface owners as described in 43 CFR 3427.1.

EXCEPTIONS, STIPULATION APPLICATION AND MITIGATION

Federal coal estate can be considered acceptable for further consideration in the leasing process by application of specific exceptions, environmental mitigation or stipulations identified for each applicable unsuitability criterion and/or multiple-use value.

These exceptions, stipulations or mitigating measures are:

Unsuitability Criteria numbers 2 and 3, Rights-of-way (ROW) and Dwellings.

EXCEPTIONS- Lands may be further considered for coal leasing if the BLM determines that:

1. Coal development will not interfere with the purpose of the ROW.

2. It is impractical to exclude such areas due to the location of coal and the ROW use can be protected through appropriate lease stipulations.

3. The lessee will consult with all owners of occupied dwellings and maintain or with the owners written consent, adjust the designated 300 foot buffer zone.

COAL LEASE STIPULATION 1 (CLS-1). ROW: If it is impractical to relocate the ROW, mining will be prohibited within the ROW and to within a 100-foot buffer zone from the outside of the ROW. Relocation approval of both the holder and issuing parties involved in the ROW would be required.

COAL LEASE STIPULATION 2 (CLS-2). DWELLINGS: The coal lessee will consult with the owners of occupied dwellings and maintain or, with the owner's written consent, adjust the designated 300-foot buffer zone.

Unsuitability Criteria numbers 11 and 16, Eagle Nests and Floodplains.

EXCEPTIONS- The BLM with concurrence of the USFWS has determined that mitigating measures addressing these unsuitability criteria are neither practical nor desirable at this time.

Multiple-Use Protection Stipulations

COAL LEASE STIPULATION 3 (CLS-3). WETLAND PROTECTION: All or portions of the lands under this lease contain wetland and/or riparian areas. The lessee will not conduct surface disturbing activities on these areas without the specific approval, in writing, of the authorized officer. Impacts or disturbance to wetlands and riparian habitats which occur on this lease, must be avoided, minimized or compensated. The mitigation goal will be no net loss of in-kind habitats. The mitigation shall be developed in cooperation with appropriate state and Federal agencies.

The wetland/riparian stipulation is mandated by EO 11990 "Protection of Wetlands" of May 24, 1977.

COAL LEASE STIPULATION 4 (CLS-4). AMERICAN BURYING BEETLE PROTECTION: The lessee will not conduct surface disturbing lease activities which will result in unacceptable impacts to the American Burying Beetle, a Federally listed endangered species. The lessee may be required to arrange for a qualified biologist to conduct field surveys which could result in beetle removal and transplant efforts. Such transplant efforts must be accomplished no more than one year before surface disturbing activities are to begin. Survey requirements, transplant efforts and Endangered Species Act coordination/consultation will be cooperatively accomplished with the USFWS. This stipulation would be attached to Federal coal leases which occur in Bryan, Cherokee, Haskell, Latimer, LeFlore, Muskogee, Pittsburg, Sequoyah and Tulsa counties.

A summary of Federal coal available under the RMP after application of the planning screens is presented on Table 3, the amount of corresponding Federal coal is displayed on Table 4.

TABLE 3 COAL LEASING SUMMARY (ACRES)

COAL AREA	ACRES WITH DEVELOPMENT POTENTIAL		ACRES DELETED DUE TO UNSUITABILITY CRITERIA	ACRES CARRIED FORWARD, BUT WITH UNSUITABILITY STIPULATIONS	ACRES DELETED DUE TO MULTIPLE-USE CONFLICTS		ACRES CARRIED FORWARD, BUT WITH MULTIPLE-USE STIPULATIONS	ACRES DELETED DUE TO SURFACE OWNER CONSULTATION
	S	U	S ONLY	S ONLY	S	U	S ONLY	S ONLY
BACHE	275	1,181	0	67	10	0	0	0
BLOCKER	920	0	105	135	0	0	460	0
BUCK CREEK MTN.	488	4,295	70	180	0	0	170	0
CAVANAL WEST	232	6,028	0	0	0	0	232	0
COALGATE	1,213	840	55	113	0	0	90	0
HEAVENER	1,026	331	0	135	0	0	1,026	0
HOWE	400	0	0	41	0	0	400	0
LEHIGH	1,400	15,725	0	145	0	0	1,400	0
MCCURTAIN	850	0	0	8	0	0	300	0
MORGAN MTN	2,343	0	480	59	0	0	1,863	0
ROCK ISLAND	1,290	4,583	115	330	0	0	1,175	0
SPIRO-BOKOSHE	1,754	21,358	405	252	0	0	1,349	0
WILBERTON RED	8,166	3,219	170	505	0	0	7,996	0
WISTER	229	0	20	209	0	0	209	0
TOTAL	20,586	57,560	1,420	2,179	10	0	16,670	0

S= Surface Minable, U= Underground

TABLE 4 COAL LEASING SUMMARY

TONS (000)

COAL AREA	TONS WITH DEVELOPMENT POTENTIAL		TONS DELETED DUE TO UNSUITABILITY CRITERIA	TONS CARRIED FORWARD. WITH UNSUITABILITY STIPULATIONS	TONS DELETED DUE TO MULTIPLE-USE CONFLICTS		TONS CARRIED FORWARD, WITH MULTIPLE-USE STIPULATIONS	TONS DELETED DUE TO SURFACE OWNER CONSULTATION
	S	U	S ONLY	S ONLY	S	U	S ONLY	S ONLY
BACHE	1,500	7,400	0	368	55		0	0
BLOCKER	3,680	N/A	420	1,440	0	N/A	1,840	0
BUCK CREEK MTN.	2,800	14,300	400	1,033	0	0	975	0
CAVANAL WEST	1,500	38,000	0	1,500	0	0	1,500	0
COALGATE	9,000	6,000	220	408	0	0	668	0
HEAVENER	4,200	3,000	0	1,440	0	0	4,200	0
HOWE	1,520	0	0	156	0	0	1,520	0
LEHIGH	9,000	100,000	0	932	0	0	8,068	0
MCCURTAIN	2,900	0	0	27	0	0	1,024	0
MORGAN MTN	8,700	0	1,780	6,919	0	0	219	0
ROCK ISLAND	6,950	31,800	620	6,331	0	0	6,331	0
SPIRO-BOKOSHE	9,000	146,000	2,100	6,922	0	0	6,922	0
WILBURTON-RED OAK	38,100	21,000	790	37,157	0	0	37,157	0
WISTER	800	0	70	630	0	0	732	0
TOTAL	99,650	367,500	6,400	65,263	55	0	71,156	0

S= Surface Minable, U= Underground

RMP BY COAL AREA

Bache Area (Map 2-33)

Total Federal mineral acres.....2,000
Surface minable acres.....275
1,500,000 Tons
Underground minable acres.....1,181
7,400,000 Tons
Total minable coal acres.....1,465
8,900,000 Tons

The Bache Coal Area is located in central Pittsburg County southeast of the town of Krebs, Oklahoma. The area has 275 acres of economically strippable coal identified as the Lower and Upper Hartshorne coal beds. The average combined thickness of the two beds is 6 feet, with the dip varying from 10 to 26 degrees. The coal is of coking quality.

Evidence of previous mining activity is indicated within the area. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography and vegetation of the area consists of mostly forested hillside on the northern portions and flat to gently rolling open grassland on the southern. The forested area is predominantly post oak-blackjack with a component of oak-hickory. Wetlands and riparian zones occur along two unnamed drainages located within the area.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area.

The entire strippable area was designated as VRM Class IV by the SE Oklahoma MFP (1980).

A 66 kilovolt powerline, numerous other communication, power transmission and distribution lines, and pipelines are located on the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 22 acres would be unsuitable for surface mining, resulting in a loss of approximately 120,000 tons of coal.

Occupied dwellings are located on or very near the stripable area. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining, unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. By not mining within 300 feet of occupied dwellings, approximately 45 acres would not be available for surface mining, resulting in a loss of approximately 248,000 tons of coal.

Eighteen historic structures have been recorded on the area from 1897 General Land Office maps and 8 sites within one mile of the area boundary. There are no historic or prehistoric sites on the area that are listed on the National Register of Historic Places.

In 1978, C. R. Robison reported a significant paleontological locality (#7) on the north end of the area where he identified 19 species of known fossil plants and one new species Neuropteris harrisi (U.S.N.M. Reg. 6684), White, 1899.

Multiple use analysis indicates that this site can be protected by excluding 10 acres from further consideration for leasing.

Under the RMP multiple-use management considerations would eliminate 10 acres from consideration for surface mining, these lands would be available for lease for development by subsurface methods. This includes 265 surface minable and 1,191 non-surface minable acres. Stipulations CLS-1, CLS-2, CLS-3 and CLS-4 would apply.

Blocker Area (Map 2-34)

Total Federal mineral acres.....3,306
Surface minable acres.....920
3,680,000 Tons
Underground minable acres..... NA
Total minable coal acres..... 920
3,680,000 Tons

The Blocker Coal Area is located in northern Pittsburg County south and west of the community of Blocker, Oklahoma. The area has 920 acres of economically strippable coal identified as the Secor and Bluejacket coal. The average thickness of the coal bed is 2 1/2 feet, with the dip varying from 4 to 8 degrees. The sulfur content of this coal is approximately 5 percent.

Evidence of previous mining activity is indicated within the area. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography and vegetation of the area consist of Blue Mountain in the eastern 1/3 which is forested with post oak-blackjack and oak-hickory. The central 1/3 is comprised of moderately sloping grassland. With the western 1/3 being a mixture of lake shore riparian zones, wetlands, and oak-hickory forest. Mathuldy Creek, an intermittent stream, drains the northern portion of the

area, then flows into Eufaula Reservoir less than 1 mile away. Blue Creek, another intermittent stream, drains much of the southern portion of the area and also flows into Eufaula Reservoir. Flood prone areas, wetlands and riparian zones are associated with Eufaula Reservoir, Mathuldy Creek, and Blue Creek.

Unsuitability Criterion number 16 states that Federal lands in riverine floodplains which would pose a substantial threat of loss of life or property shall be considered unsuitable for surface mining. For planning purposes we are also assuming that lands below the flood elevation level of major reservoirs would be included in this Criterion. Such a condition occurs on this coal area and is associated with Eufaula Reservoir. Application of this criterion would make about 105 acres unsuitable for further leasing consideration, resulting in the loss of approximately 420,000 tons of coal.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area.

Approximately the northwest 30 percent of the stripable area was designated as VRM Class IV by the SE Oklahoma MFP (1980). The remaining 70 per cent of the area is VRM Class II. The area is along and adjacent to the shore of Eufaula Reservoir, a major State recreation area.

The multiple use screens associated with flood prone areas, wetlands and riparian zones were applied, along with a one-quarter mile visual buffer along the shoreline of Eufaula Reservoir to protect associated recreational values. Unless acceptable mitigation is developed for these resources approximately 460 acres would not be available for surface mining, resulting in a loss of approximately 1,840,000 tons of coal.

State Highway 31, numerous communication, power transmission and distribution lines, and pipelines are located on the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 90 acres would be unsuitable for surface mining, resulting in a loss of approximately 360,000 tons of coal.

Occupied dwellings are located on or very near the stripable area. Unsuitability Criterion Number 3 states that land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. By not mining within 300 feet of occupied dwellings, approximately 45 acres would not be available for surface mining, resulting in a loss of approximately 1,080,000 tons of coal.

One prehistoric site has been recorded on the coal area. One historic site is recorded from General Land Office maps within 250 feet of the coal area boundary. There are no historic or prehistoric sites within the area listed on the National Register of Historic Places.

There are no recorded significant paleontological localities on the coal area.

Under the RMP multiple-use management considerations would require mitigation and protective stipulations on 460 acres around lake Eufaula. Under the proposed RMP 815 surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, CLS-3 and CLS-4 would apply.

Buck Creek Mountain Area (Map 2-35)

Total Federal Mineral Acres.....10,288
Surface minable acres..... 488
2,800,000 Tons
Underground minable acres..... 4,295
14,300,000 Tons
Total minable coal acres..... 4,783
17,100,000 Tons

The Buck Creek Mountain Coal Area is located in north central LeFlore County from south of the town of Bokoshe, Oklahoma, to southeast of the town of Panama, Oklahoma. The area has 488 acres of economically strippable coal identified as the Upper and Lower Hartshorne coal beds. The average combined thickness of the two beds is 7 feet, with the dip varying from 7 to 15 degrees. The coal is of coking quality and the average sulfur content ranges from 0.5 to 1.6 percent.

Some evidence of previous mining and surface reclamation activity is indicated within the area. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography and vegetation of the area consists of a steeply sloping hillside covered with oak-hickory forest in the extreme western portion to the relatively flat floodplain consisting of riparian and wetland areas in the eastern end of where the coal outcrop crosses the Poteau River. The central portion of the area is gently sloping to flat open grassland with wetlands and riparian areas associated with Buck Creek and an unnamed tributary. Brazil Creek is adjacent to and south of the area and influences the presence of wetland and riparian vegetation on the area. The eastern portion of this area

is extensively involved in the flood prone areas associated with the Poteau River and Brazil Creek.

Unsuitability Criterion number 16 states that Federal lands in riverine floodplains which would pose a substantial threat of loss of life or property shall be considered unsuitable for surface mining. Such a flood prone area occurs on this coal area and is associated with the confluence of Brazil Creek with the Poteau River. Application of this criterion would make about 70 acres unsuitable for further leasing consideration, resulting in the loss of approximately 400,000 tons of coal.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area. Species which are candidates for Federal listing as threatened or endangered are also known to occur in both the Poteau River and Brazil Creek.

The multiple use screens associated with wetlands, riparian zones and the fringes of flood prone areas were applied. Unless acceptable mitigation is developed for these resources approximately 170 acres would not be available for surface mining, resulting in a loss of approximately 975,000 tons of coal.

The entire strippable area was designated as a VRM Class IV by the SE Oklahoma MFP (1980).

U.S. Highway 59 and 271, the Union Pacific, and Kansas City Southern Railroads, communication, power transmission and distribution lines, and pipelines are located on the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 150 acres would be unsuitable for surface mining, resulting in a loss of approximately 860,000 tons of coal.

Occupied dwellings are located on or very near the strippable area. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. By not mining within 300 feet of occupied dwellings, approximately 30 acres would not be available for surface mining, resulting in a loss of approximately 186,000 tons of coal.

Six historic and prehistoric sites are recorded on the area. Two historic sites on the area are recorded on 1897 General Land Office maps. No historic or prehistoric sites on the coal area are listed on the National Register of Historic Places.

No significant paleontological localities are recorded on this coal area.

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however, mitigation would be required. Approximately 418 surface minable and 4,295 non-surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, CLS-3 and CLS-4 would apply.

Cavanal West Area (Map 2-36)

Total Federal Mineral Acres..... 6,720
Surface minable acres..... 232
1,500,000 Tons
Underground minable acres..... 6,028
38,000,000 Tons
Total minable coal acres..... 6,260
39,500,000 Tons

The Cavanal West Area is located in north central LeFlore County west, northwest of the town of Poteau, Oklahoma. The area has 232 acres of economically strippable coal identified as the Upper Witteville coal bed. The average thickness of the bed is 4 1/2 feet. The average sulfur content is in excess of 5 percent.

There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography and vegetation of the area consist of gently rolling hillsides covered with a mixture of oak-hickory forest in the center portion and post oak-blackjack forest on the extremes with interspersed open grasslands. Wetland and riparian areas occur along tributaries to Possum Creek in the western portion of the area.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area.

The entire strippable area was designated as a VRM Class IV by the SE Oklahoma MFP (1980).

Communication and power distribution lines occur on the area. Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply.

No occupied dwellings are know to be located on or near the strippable area. Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining unless the owner of the

dwelling has given written permission to mine within 300 feet of the dwelling.

One historic site has been recorded on the area on the 1898 General Land Office map. There are no historic or prehistoric sites on the area listed on the National Register of Historic Places.

No significant paleontological localities are recorded on this coal area.

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however mitigation would be required. Approximately 232 surface minable and 6,028 underground minable acres of Federal coal would be available for lease. Stipulations CLS-1, CLS-3 and CLS-4 would apply.

Coalgate Area (Map 2-37)

Total Federal Mineral Acres.....10,760
Surface minable acres.....1,213
9,000,000 Tons
Underground minable acres..... 840
6,000,000 Tons
Total minable coal acres..... 2,053
15,000,000 Tons

The Coal Area is located in east central Coal County northeast of the town of Coalgate, Oklahoma. The area has 1,213 acres of economically strippable coal identified as the McAlester coal bed. The average thickness of the bed is 4.2 feet, with the dip varying from 5 to 15 degrees. The coal is not of coking quality.

Some evidence of previous mining activity is indicated. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography and vegetation of the area consists of flat to gently rolling predominately open grasslands. Wetlands, riparian areas and flood prone areas occur along Coal Creek and tributaries to Coal Creek in the eastern portions of the area and along Muddy Boggy Creek and its' tributaries in the western portion of the area.

Unsuitability Criterion number 16 states that Federal lands in riverine floodplains which would pose a substantial threat of loss of life or property shall be considered unsuitable for surface mining. Such a flood prone area occurs on this coal area and is associated with Muddy Boggy Creek. Application of this criterion would make about 55 acres unsuitable for further leasing consideration, resulting in the loss of approximately 408,000 tons of coal.

The multiple use screens associated with wetlands, riparian zones and the fringes of flood prone areas were applied. Unless acceptable mitigation is developed for these resources approximately 90 acres would not be available for surface mining, resulting in a loss of approximately 668,000 tons of coal.

The entire strippable area was designated as a VRM Class IV by the SE Oklahoma MFP (1980).

Communication, power transmission and distribution lines, and pipelines are located on the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 3 acres would be unsuitable for surface mining, resulting in a loss of approximately 20,500 tons of coal.

Occupied dwellings are located on or very near the strippable area. Several of these dwellings occur within the unincorporated townsite of Cottonwood, Oklahoma. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. By not mining within 300 feet of occupied dwellings, approximately 110 acres would not be available for surface mining, resulting in a loss of approximately 820,000 tons of coal.

Fourteen historic and prehistoric sites have been recorded on this area and one site within one mile of the area boundary. Ten of the 14 sites are considered part of 2 potential National Register Districts. One of the 14 sites (Sandmann Mine #2) is also potentially eligible for the National Register. There are no historic or prehistoric sites on the area listed on the National Register of Historic Places.

In 1978, C.R. Robinson reported a significant fossil find (locality #94) in the coal area where he identified one new species: Ichyodus gunneli, Harris and Hollingsworth (Univ. of Okla. Paleo. Coll. 1501), teeth of bony fish (Zidek, 1973a, p.93).

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however mitigation would be required. Approximately 1,158 surface minable and 840 non-surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, and CLS-3 would apply.

Heavener Area (Map 2-38)

Total Federal Mineral Acres..... 5,267
Surface minable acres.....1,026
4,200,000 Tons
Underground minable acres..... 331
3,000,000 Tons
Total minable coal acres..... 1,357
7,200,000 Tons

The Heavener Coal Area is located in east central LeFlore County east and southeast of the town of Heavener, Oklahoma. The area has 1,026 acres of economically strippable coal identified as the upper and lower Hartshorne coal beds. The average combined thickness of the two coal beds is 7 feet, with the dip varying from 17 to 22 degrees. The sulfur content of this coal is approximately 2 percent, and is of coking quality.

Some evidence of previous mining activity is indicated within the area. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography and vegetation of the area consist of flat floodplain riparian areas with a mix of open grasslands and riparian forest to the foothills of Poteau Mountain which contains oak-pine forest. Five intermittent streams, all of which empty into the Poteau River or tributaries of the Poteau River, drain the coal area. Tributaries to Oil Branch Creek drain the western portion, and tributaries to Sugar Creek the eastern portion. Several water filled strip pits exist in the eastern portion, and serve as tributaries to Sugar Creek.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area. Wetlands and riparian zones occur along the numerous streams and drainages on the area.

Approximately the eastern 95 percent of the strippable area is located within VRM Class II. The remaining 5 percent of the area is VRM Class III.

State Highway 31, numerous communication, power transmission and distribution lines, and pipelines are located on the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 90 acres would be unsuitable for surface mining, resulting in a loss of approximately 360,000 tons of coal.

Occupied dwellings are located on or very near the strippable area. Unsuitability Criterion Number 3 states that land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. By not mining within 300 feet of occupied dwellings, approximately 45 acres would not be available for surface mining, resulting in a loss of approximately 1,080,000 tons of coal.

One historic site, Burns Cemetery, has been recorded on the coal area. One historic site is shown on the General Land Office maps on the coal area. There are no historic or prehistoric sites within the area listed on the National Register of Historic Places.

There are no recorded significant paleontological localities on the coal area.

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however mitigation would be required. Approximately 1,026 surface minable and 331 non-surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, CLS-3 and CLS-4 would apply.

Howe Area (Map 2-39a,b)

Total Federal Mineral Acres..... 4,551
Surface minable acres..... 400
1,520,000 Tons
Underground minable acres..... NA
Total minable coal acres..... 4,551
1,520,000 Tons

The Howe Coal Area is located in east central LeFlore county, and is further identified as having two distinct sections. The northern section radiates from just north of the town of Howe, Oklahoma, and follows the McAlester coal bed outcrop northeasterly and passing just to the north of the town of Monroe, Oklahoma, and ending at the intersection of the coal outcrop with the Oklahoma/Arkansas State border. The southern section radiates from a point southwest of the town of Howe, Oklahoma, southeastward to a point due north of the town of Heavener, Oklahoma.

The Howe area has approximately 400 acres of economically surface minable coal. The average thickness of the coal is 2 feet, and the dip varies from 6 to 14 degrees. The coal is of medium volatile bituminous rank, but contains 3 percent sulfur.

Some evidence of previous strip mining occurs in the

southern portion of area. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography of the area can generally be characterized as gently rolling grasslands interspersed with associations of oak-hickory, and oak-pine habitats.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area.

Flood prone areas, wetlands and riparian zones occur along Morris, Cowskin, Sugarloaf, and several unnamed tributaries. The multiple use screens associated with these resources were applied. Unless acceptable mitigation is developed for these resources approximately 65 acres would not be available for surface mining, resulting in a loss of approximately 240,000 tons of coal.

Almost the entire portion of both strippable areas are VRM Class III, with a small portion of the area northeast of Howe being a VRM Class IV.

U.S. Highway 59, State HWY 83, the Chicago, Rock Island, and Pacific Railroad, the Kansas City Southern, communication, power transmission and distribution lines, and pipelines are located on the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 18 acres would be unsuitable for surface mining, resulting in a loss of approximately 130,000 tons of coal.

Occupied dwellings are located on or very near the strippable area. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining, unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. By not mining within 300 feet of occupied dwellings, approximately 23 acres would not be available for surface mining, resulting in a loss of approximately 87,400 tons of coal.

Fourteen historic and prehistoric sites have been recorded on this coal area, and six sites recorded within 1 mile of the coal area boundary. Eleven historic sites are shown on General Land Office Maps on the coal area, and 4 historic sites are shown outside the coal area.

There are no historic or prehistoric sites on the coal area listed on the National Register of Historic Places.

There are no recorded significant paleontological localities on the coal area.

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however mitigation would be required. Approximately 400 surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, CLS-3 and CLS-4 would apply.

Lehigh Area (Map 2-40a,b,)

Total Federal Mineral Acres.....18,460
Surface minable acres.....1,400
9,000,000 Tons
Underground minable acres..... 15,725
100,000,000 Tons
Total minable coal acres..... 17,125
109,000,000 Tons

The Lehigh Coal Area is located in portions of southern Coal, and northern Atoka counties has 1,400 acres of strippable coal. The coal is identified as the Lower Hartshorne coal bed in the southern area, and both the Lower and Upper Hartshorn in the northern portion. The average thickness of the two beds is 3.5 feet , with the dip varying from 4 to 6 degrees. The coal is known to be of high sulfur content.

Some previous mining activity is indicated in the southern portion as evidenced by spoil piles in the area. There has been no information presented to indicate the presence of hazardous wastes in this area.

Topography and vegetation of the area consists of moderately sloping hillsides in the northern portion, to rolling hills in the south. Level riparian areas are associated with the many stream crossings occurring in both the northern and southern portions of the coal area. Forested areas contain post-oak-blackjack, and oak-hickory habitats. Relatively open pastures/grasslands occur in the area. Seven creeks, either originate or flow through the area (Brier, Coal, French Henry, Sand, Coon, and two unnamed tributaries of Coal Creek).

The entire strippable area was designated as a VRM Class IV by the SE Oklahoma MFP (1980).

Communication, power transmission and distribution lines, and pipelines are located on the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 115 acres would be unsuitable for surface mining, resulting in a loss of approximately

432,000 tons of coal.

Occupied dwellings are located on or very near the strippable area. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining, unless the owner of the dwelling has given written permission to mine within 300 feet of an occupied dwelling . By not mining within 300 feet of occupied dwellings, approximately 30 acres would not be available for surface mining, resulting in a loss of approximately 114,000 tons of coal.

Two historic sites have been recorded on this coal area. Three historic sites are less than 1 mile outside the coal area boundary and one of these, the Benjamin Franklin Smallwood House is listed on the National Register, and is roughly 1,000 feet west of the coal area boundary. There are no historic or prehistoric sites within the coal area listed on the National Register of Historic Places.

There are no recorded significant paleontological localities on this coal area.

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however mitigation would be required. Approximately 1,400 surface minable and 15,725 non-surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, and CLS-3 would apply.

<u>McCurtain Area (Map 2-41)</u>
Total Federal Mineral Acres..... 2,912
Surface minable acres..... 850
2,900,000 Tons
Underground minable acres..... NA
Total minable coal acres..... 2,912
2,900,000 Tons

The McCurtain Coal Area is located in northern LeFlore county between the towns of McCurtain and Bokoshe. The average thickness of the coal is 5.6 feet, and the dip averages 12 degrees. Approximately 850 acres of economically strippable coal would be available from this coal area. The coal in the Upper Hartshorn portion probably contains a higher sulfur content (3 percent sulfur), while the Lower Hartshorn (1 percent sulfur) is of coking quality.

The coal area immediately northwest of the town of McCurtain has been extensively mined in the past, while there is minimal evidence of mining in the eastern portion. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography of the area can generally be characterized as gently rolling grasslands interspersed with non-vegetated spoil piles and water filled strip pits in the western portion of the area, to steeply sloping hillsides and flat floodplain areas in the eastern portion. Vegetation in the eastern portion of the area consists of predominately oak-pine woodland, mixed with flat grasslands and riparian areas along Owl Creek. The western area consists mainly of open grasslands, interspersed with post oak-blackjack oak woodlands.

Flood prone areas, wetlands and riparian zones occur along one intermittent stream (Wolf Creek) which drains the area around the town of Milton, with more extensive occurrences around Mule and Owl Creeks.

The multiple use screens associated with these resources were applied. Unless acceptable mitigation is developed for these resources approximately 300 acres would not be available for surface mining, resulting in a loss of approximately 1,024,000 tons of coal.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area.

All strippable coal beds are designated as VRM Class IV.

State Highways 31, and 26, the Fort Smith and Van Buren Railroad, communication, power transmission and distribution lines, and pipelines are located on or near the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 8 acres would be unsuitable for surface mining, resulting in a loss of approximately 28,000 tons of coal.

No Occupied dwellings are located on or near the strippable area. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining, unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling.

Seven historic and prehistoric sites have been recorded on this coal area, with 1 site considered eligible for the National Register. From the General Land Office maps, one historic site is shown on the coal area, and 1 historic site is within 200 feet of the coal area boundary. There are no historic or prehistoric sites on the McCurtain coal area that are listed on the National Register of Historic Places.

There are no recorded significant paleontological localities on the coal area.

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however mitigation would be required. Approximately 850 surface minable acres would be available for lease. Stipulations CLS-1, CLS-3, and CLS-4 would apply.

Morgan Mountain Area (Map 2-42)
Total Federal Mineral Acres..... 7,840
Surface minable acres.....2,343
8,700,000 Tons
Underground minable acres..... --0--
-----0----- Tons
Total minable coal acres..... 2,343
8,700,000 Tons

The Morgan Mountain Coal Area is located in northern Haskell county north of the town of Stigler, Oklahoma. The average thickness of the Stigler coal bed in this area is 2 feet, with the dip varying from 3 to 15 degrees. Within this area 2,343 acres of economically strippable coal have been identified. The more steeply dipping coal occurs in the northern portion of this coal area. The Stigler coal is of steam generation quality and has a sulfur content of 4 percent, or more.

There is minimal evidence of previous coal mining on the area. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography of the area can generally be characterized as moderately steep to gently rolling hills and ridges. Vegetation in the area consists of predominately open grasslands, with oak-hickory and postoak-blackjack oak woodlands occurring on the steeper slopes. Riparian and wetland vegetation types occur along Jackson, Brier, Taloka, and any unnamed tributaries of these creeks. Jackson and Taloka Creeks flow into the nearby Canadian River, while Brier flows into the nearby Arkansas River. Both rivers meet at a confluence immediately north of the coal area in Robert S. Kerr Reservoir.

Two Federally listed endangered species are likely to be associated with this area. The American burying beetle is likely to occur on this area. A pair of bald eagles are known to have nested and produced 2 young in 1991 in the northern portion of this area. The bald eagles are from the experimental release effort being undertaken by the George Miksch Sutton Avian Research Center. Unsuitability Criterion Number 11 states that a bald or golden eagle nest, or site, on Federal lands that is determined to be active, and an appropriate buffer zone of land around the nest site, shall be considered unsuitable. Application of this criterion would make the entire northern portion of the Morgan Mountain coal area, or approximately 480 acres unsuitable for further consideration for leasing resulting in a loss of 1,780,000 tons of Federal coal.

All strippable coal beds are designated VRM Class IV.

No major State or federal highways cross the area, and no Railroads are located close to the area.
Communication, power transmission and distribution lines, and pipelines are located on or near the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 4 acres would be unsuitable for surface mining, resulting in a loss of approximately 12,800 tons of coal.

Occupied dwellings are located on or near the strippable area. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining, unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. Approximately 55 acres would be unsuitable due to the presence of occupied dwellings, resulting in a loss of 205,000 tons of coal.

Five historic and prehistoric sites have been recorded on this coal area from 1897 General Land Office Maps. One historical site listed on the National Register, (Pleasant Bluff Archaeological Site/Tamaha Jail and Ferry Landing) is approximately 1 mile east of the Coal area boundary.

In 1978, C.R. Robison reported two fossil areas (localities #76, and #239), both 1/4 mile north of the coal area where he identified 26 species of fossil plants and one species of invertebrate fossil. There are no recorded significant paleontological localities on the coal area.

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining in the Morgan Mountian Area, however mitigation would be required. Approximately 1,863 surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, CLS-3 and CLS-4 would apply.

Rock Island Area (Map 2-43)

Total Federal Mineral Acres..... 6,143
Surface minable acres.....1,290
6,950,000 Tons
Underground minable acres..... 4,853
31,800,000 Tons
Total minable coal acres..... 6,143
38,750,000 Tons

The Rock Island Coal Area is located in northern LeFlore county east of the town of Panama, Oklahoma. The average thickness of the upper and lower Hartshorne coal beds (combined) in this area is 8 feet, with the dip varying from 10 to 15 degrees. Total surface area of the identified economically strippable coal is approximately 1,290 acres. The coal in this area is of coking quality.

Evidence of extensive surface and underground coal mining exists throughout the area. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography of the area can generally be characterized as flat to gently rolling. Vegetation in the area consists of predominately open grasslands, with interspersed post oak-blackjack oak woodlands. Large riparian and wetland areas occur along the James Fork Creek. Ivey Branch Creek, and several unnamed tributaries.

Unsuitability Criterion number 16 states that Federal lands in riverine floodplains which would pose a substantial threat of loss of life or property shall be considered unsuitable for surface mining. Such a constricted flood prone area occurs on this coal area and is associated with James Fork Creek. Application of this criterion would make about 115 acres unsuitable for further leasing consideration, resulting in the loss of approximately 620,000 tons of coal.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area, as is the swamp rabbit, a species of high interest to the State of Oklahoma. The Oklahoma Department of Wildlife Conservation (ODWC) considers swamp rabbit habitat as critical since such wetland habitats continue to decline.

The multiple use screens associated with wetlands, riparian zones, swamp rabbit habitat and the fringes of flood prone areas were applied. Unless acceptable mitigation is developed for these resources approximately 20 acres would not be available for surface mining, resulting in a loss of approximately 108,000 tons of coal.

All strippable coal beds are designated VRM Class IV.

State Highway 121 crosses the area, as does the Texas Pacific, and the San Francisco Railroads. Communication, power transmission and distribution lines, and pipelines are located on or near the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 190 acres would be unsuitable for surface mining, resulting in a loss of approximately 1,029,000 tons of coal.

Occupied dwellings are located on or near the strippable area. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining, unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. Approximately 140 acres would be unsuitable due to the presence of occupied dwellings, resulting in a loss of 741,000 tons of coal.

Twelve historic and prehistoric sites, and four isolated finds have been recorded on this coal area. Four historic sites are shown on 1898 General Land Office maps as being within the coal area. Also, two other historic sites are listed on the National Register, but are between 400' and 1,000' outside the coal area, and two prehistoric sites are recorded within 300' of the coal area boundary.

There are no historic or prehistoric sites on the coal area that are listed on the National Register of Historic Places

There are no recorded significant paleontological localities on the Rock Island coal area.

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however mitigation would be required. Approximately 1,175 surface minable and 4,853 non-surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, CLS-3 and CLS-4 would apply.

Spiro-Bokoshe Area (Map 2-44a,b)

Total Federal Mineral Acres.....23,112
Surface minable acres.....1,754
9,000,000 Tons
Underground minable acres..... 21,358
146,000,000 Tons
Total minable coal acres..... 23,143
155,000,000 Tons

The Spiro Bokoshe Coal Area is located in northeastern LeFlore county and extends from due east of the town of Bokoshe, Oklahoma east, northeast to approximately 1.5 miles east of Pocola, Oklahoma. The average thickness of the upper and lower Hartshorne coal beds (combined) in the western part of the coal area is approximately 8 feet with a dip of 6 degrees, while in the eastern portion, both beds average 3.5 feet with a dip of 8-13 degrees. Total surface area of the identified economically strippable coal is approximately 1,754 acres. The coal in this area is of coking quality, with a total sulfur content of 1.5 percent.

Evidence of surface and underground coal mining exists throughout the area. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography of the area can generally be characterized as flat to gently rolling. Vegetation in the area consists of predominately open pasture/grasslands, with interspersed post oak-blackjack oak woodlands. Large riparian and wetland areas occur along the Poteau River, Coal Creek, and several unnamed tributaries which occur on the area.

Extensive flood prone areas occur throughout this Federal strippable area. Unsuitability Criterion Number 16 states that Federal lands in riverine floodplains which would pose a substantial threat of loss of life or property shall be considered unsuitable for surface mining. Such a flood prone area occurs on this coal area and is associated with the Poteau River. Application of this criterion would make about 405 acres unsuitable for further leasing consideration, resulting in the loss of approximately 2,100,000 tons of coal.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area, as is the swamp rabbit, a species of high interest to the State of Oklahoma. The ODWC considers swamp rabbit habitat as critical since such wetland habitats continue to decline.

The multiple use screens associated with wetlands, riparian zones, swamp rabbit habitat and the fringes of flood prone areas were applied. Unless acceptable mitigation is developed for these resources an additional 405 acres would not be available for surface mining, resulting in a loss of approximately 2,100,000 tons of coal.

All strippable coal beds are designated VRM Class IV.

State Highways 31 and 51,and U.S. 59 & 27 cross the area, as does the Fort Smith and Van Buren Railroad. Communication, power transmission and distribution lines, and pipelines are located on or near the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 47 acres would be unsuitable for surface mining, resulting in a loss of approximately 240,000 tons of coal.

Occupied dwellings are located on or near the strippable area. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining, unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. Approximately 205 acres would be unsuitable due to the presence of occupied dwellings, resulting in a loss of 1,051,000 tons of coal.

Three prehistoric sites have been recorded on this coal area, and 11 structures shown on the 1897 General Land Office map are on the coal area. There are two prehistoric sites recorded just outside the coal area boundary and 1 historic site(the Bokoshe School) that is considered eligible for the National Register 1.5 miles north of the coal area. There are no historic or prehistoric sites on the coal area that are listed on the National Register of Historic Places.

There are no recorded significant paleontological localities on the Spiro-Bokoshe coal area.

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however mitigation would be required. Approximately 1,349 surface minable and 21,358 non-surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, CLS-3 and CLS-4 would apply.

Wilburton-Red Oak Area (Map 2-45)

Total Federal Mineral Acres.....31,188
Surface minable acres.....8,166
38,100,000 Tons
Underground minable acres..... 3,219
21,000,000 Tons
Total minable coal acres..... 11,385
59,100,000 Tons

The Wilburton-Red Oak Coal Area is located in southern LeFlore and Latimer counties, and extends from west of the town of Wilburton to south of the town of Wister, Oklahoma. Two distinct coal horizons are found in the strippable area, the Lower Hartshorne, and the

McAlester coal beds. As both coal seams run almost the entire 43 mile length of the strippable area, average depth and dip projections are not estimated for this area. Total surface area of the identified economically strippable coal is approximately 8,166 acres. The coal in the Lower Hartshorne is usually of coking quality, while in the McAlester it is usually of high sulfur content.

Evidence of surface and underground coal mining exists in isolated portions of the area. There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography of the strippable coal area can generally be characterized as flat to gently rolling, although certain areas of the coal seam are located in what might be called hilly terrain. Vegetation in the area consists of predominately open, pasture/grasslands, with interspersed oak-hickory-pine woodlands. Wetland and riparian areas occur along the Cunneo Tubby, Fourche Maline, Little Fourche Maline, Red Oak, Beaver, Spring, Cedar, Turkey and Coal Creeks, the Poteau River, several unnamed tributaries and a portion of Wister Reservoir.

Flood prone areas occur on this Federal strippable area. Unsuitability Criterion Number 16 states that Federal lands in riverine floodplains which would pose a substantial threat of loss of life or property shall be considered unsuitable for surface mining. Such flood prone areas occur on this coal area and they are associated with Red Oak, Little Fouche Maline, Cedar and Caston Creeks. Application of this criterion would make about 170 acres unsuitable for further leasing consideration, resulting in the loss of approximately 790,000 tons of coal.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area, as is the swamp rabbit, a species of high interest to the State of Oklahoma. The ODWC considers swamp rabbit habitat as critical since such wetland habitats continue to decline. Several special status fish species are known to occur in the streams associated with this coal area.

The eastern portion of this coal area is adjacent to the Wister Wildlife Management Area. This area is licensed by the U.S. Army COE to the ODWC for public hunting purposes.

The multiple use screens associated with wetlands, riparian zones, swamp rabbit habitat, buffer zones for ODWC managed lands and the fringes of flood prone areas were applied. Unless acceptable mitigation is developed for these resources an additional 30 acres would not be available for surface mining, resulting in a loss of approximately 140,000 tons of coal.

All strippable coal beds are designated VRM Class IV.

State Highways 2 and U.S. 270, 271, parallel the area, as does the Chicago Rock Island Railroad. Communication, power transmission and distribution lines, and pipelines are located on or near the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 135 acres would be unsuitable for surface mining, resulting in a loss of approximately 636,000 tons of coal.

Occupied dwellings are located on or near the strippable area. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining, unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. Approximately 370 acres would be unsuitable due to the presence of occupied dwellings, resulting in a loss of 1.7 million tons of coal.

Seventeen historic and prehistoric sites have been recorded on this coal area and 11 or more structures are shown on the coal area on 1898 General Land Office maps. Twelve historic structures shown on the 1898 Government Land Office Maps are adjacent or within the coal area boundary. Ten historic or prehistoric sites are recorded just outside the coal area boundary, and 3 of these 10 are listed on the National Register of Historic Places (Panola High School; Riddles Station (1858); and Degnan school.

There are no historic or prehistoric sites on the coal area that are listed on the National Register of Historic Places.

There are no recorded significant paleontological localities on the Wilberton-Red Oak coal area.

Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however mitigation would be required. Approximately 7,996 surface minable and 3,219 non-surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, CLS-3 and CLS-4 would apply.

Wister Area (Map 2-46)
Total Federal Mineral Acres..... 4,240
Surface minable acres..... 229
800,000 Tons
Underground minable acres..... NA
No underground Identified
Total minable coal acres..... 4,240
229 800,000 Tons

The Wister Coal Area is located in southwestern LeFlore county, northwest of the town of Wister, Oklahoma. The average thickness of the coal bed is 2 feet, with a dip varying from 16 to 18 degrees. The coal is of medium volatile bituminous rank, and contains over 3 percent sulfur. A total of 229 acres of strippable coal have been identified for this area.

There has been no information presented to indicate a presence of hazardous wastes in this area.

Topography of the strippable coal area can generally be characterized as flat to gently rolling. Vegetation in the area consists of predominately post oak-blackjack oak interspersed with open grassland. Wetland and riparian areas occur along Mountain, Little Caston and Rock Creeks, and several unnamed tributaries which cross the area.

Unsuitability Criterion Number 16 states that Federal lands in riverine floodplains which would pose a substantial threat of loss of life or property shall be considered unsuitable for surface mining. Such a flood prone area occurs on this coal area and is associated with Mountain Creek. Application of this criterion would make about 20 acres unsuitable for further leasing consideration, resulting in the loss of approximately 70,000 tons of coal.

The American burying beetle, a Federally listed endangered species, is likely to occur on this area.

The multiple use screens associated with wetlands, riparian zones, and the smaller flood prone areas were applied. Unless acceptable mitigation is developed for these resources an additional 65 acres would not be available for surface mining, resulting in a loss of approximately 227,000 tons of coal.

All strippable coal beds are designated VRM Class IV.

U.S. Highways 270, and 271, parallel the area, as do the Chicago and Rock Island Railroad, and the St. Louis-San Francisco Railroad. Communication, power transmission and distribution lines, and pipelines are located on or near the area. Unsuitability Criterion Number 2 states areas within rights-of-way shall be considered unsuitable for surface mining. If the uses of these rights-of-way can be protected or moved, an exception to the criterion may apply. If not, about 180 acres would be unsuitable for surface mining, resulting in a loss of approximately 630,000 tons of coal.

Occupied dwellings are located on or near the strippable area. Unsuitability Criterion Number 3 states land within 300 feet of an occupied dwelling will be deemed unsuitable for surface mining, unless the owner of the dwelling has given written permission to mine within 300 feet of the dwelling. Approximately 135 acres would be unsuitable due to the presence of occupied dwellings, resulting in a loss of 477,000 tons of coal.

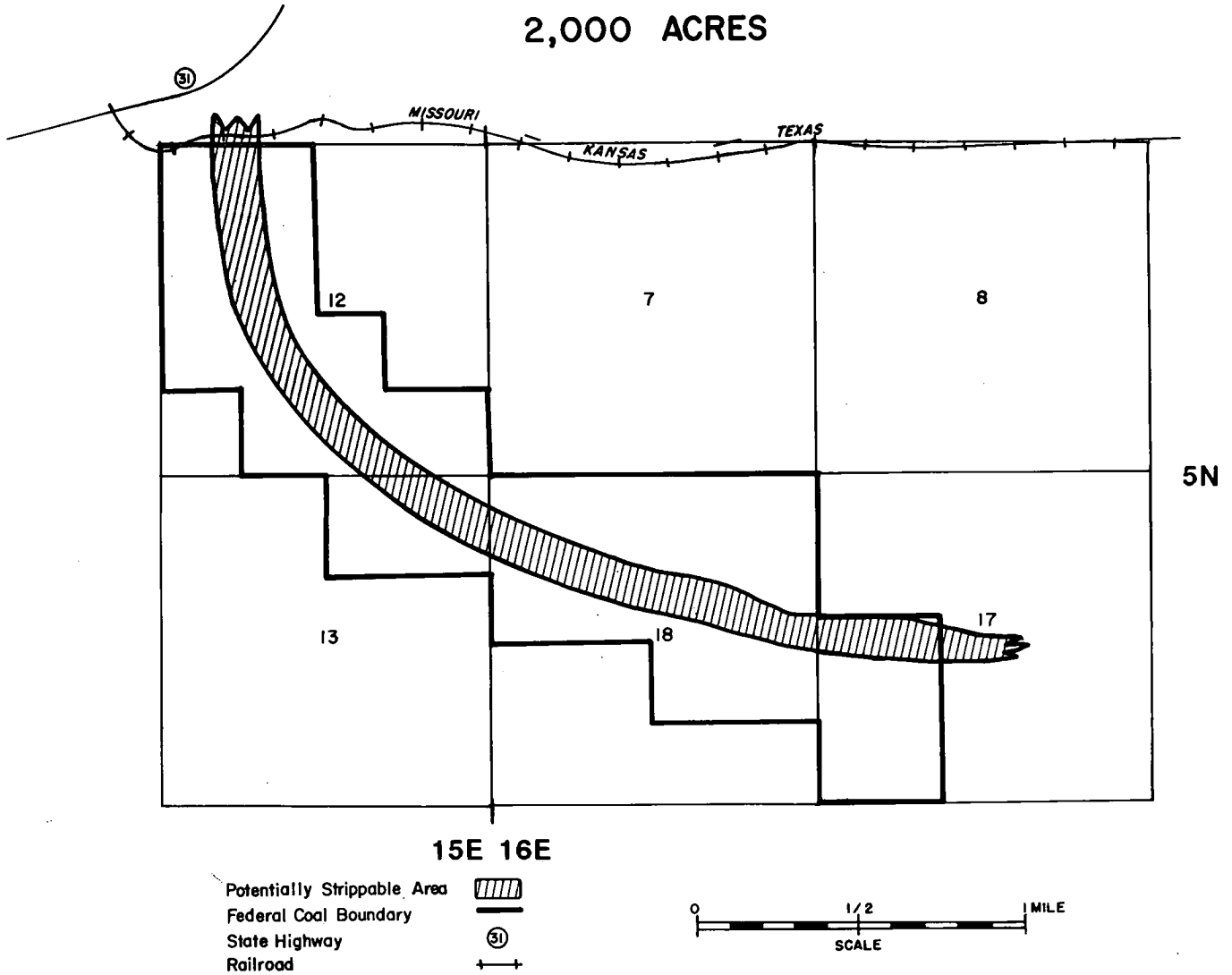
No historic and prehistoric sites have been recorded on this coal area. Six structures are shown on the 1898 General Land Office maps on the coal area. There are no historic or prehistoric sites on the coal area that are listed on the National Register of Historic Places.

There are no recorded significant paleontological localities on the Wister coal area.

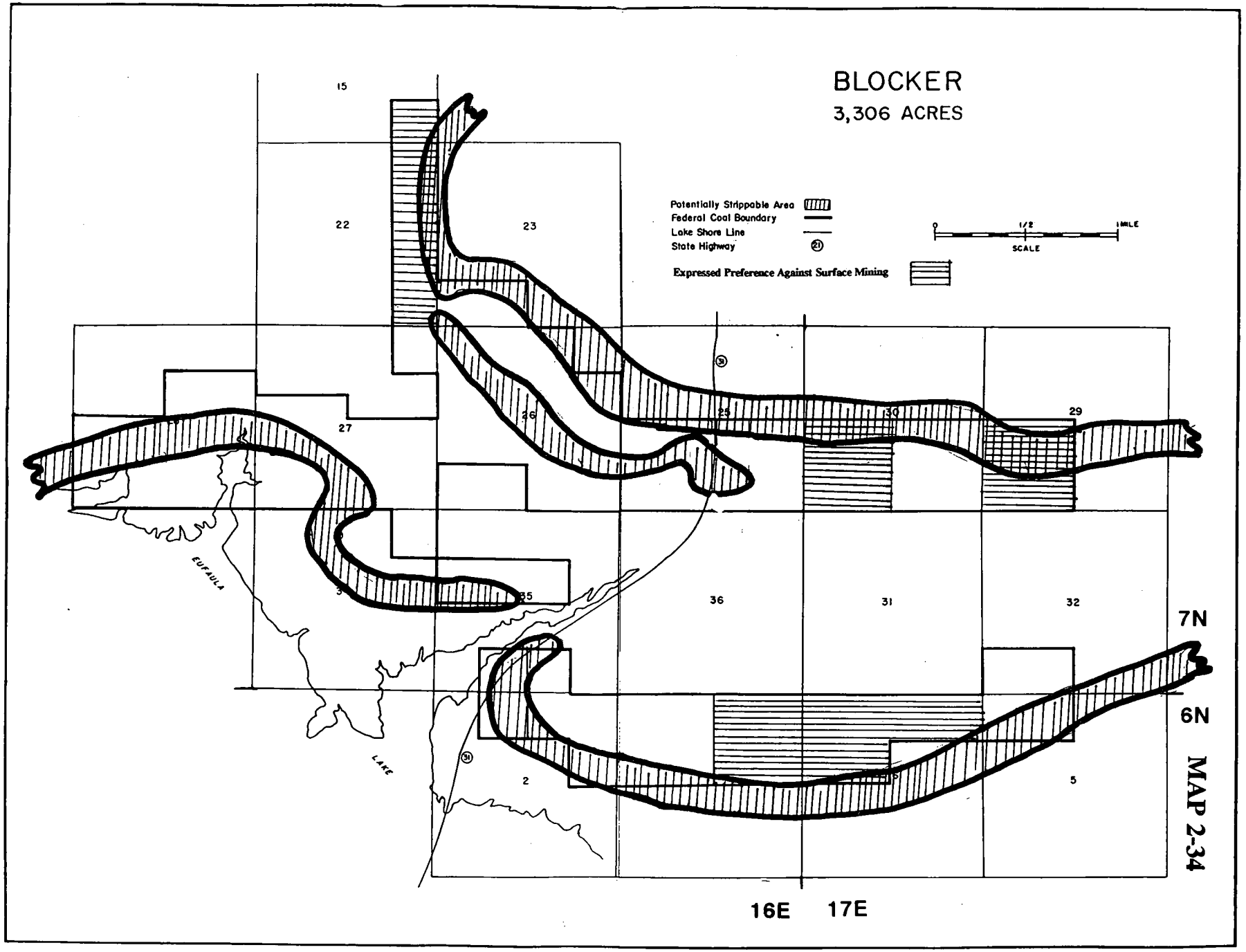
Under the RMP multiple-use management considerations would not eliminate acres from consideration for surface mining, however mitigation would be required. Under the proposed RMP 209 surface minable acres would be available for lease. Stipulations CLS-1, CLS-2, CLS-3 and CLS-4 would apply.

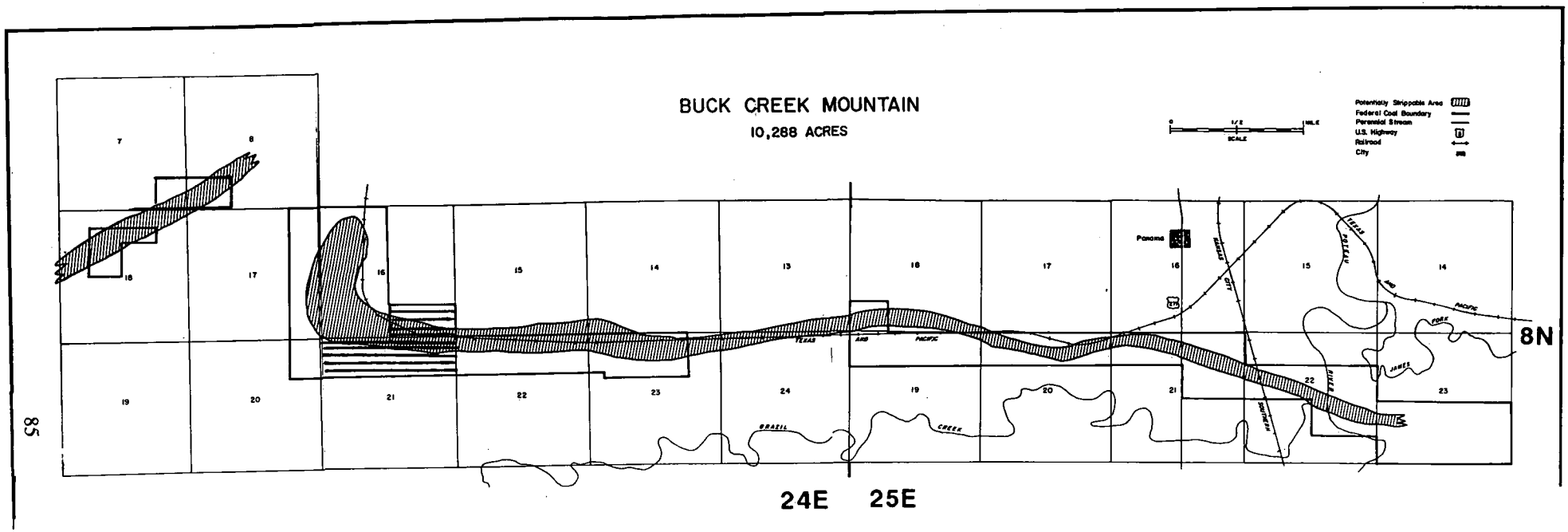
BACHE

2,000 ACRES



MAP 2-33


BLOCKER
3,306 ACRES
Potentially Strippable Area
Federal Coal Boundary
Lake Shore Line
State Highway
Expressed Preference Against Surface Mining
0
1/2
1 MILE
SCALE
15
22
23
27
26
25
30
29
35
36
31
32
2
5
EUFAULA
LAKE
7N
6N
16E
17E
MAP 2-34

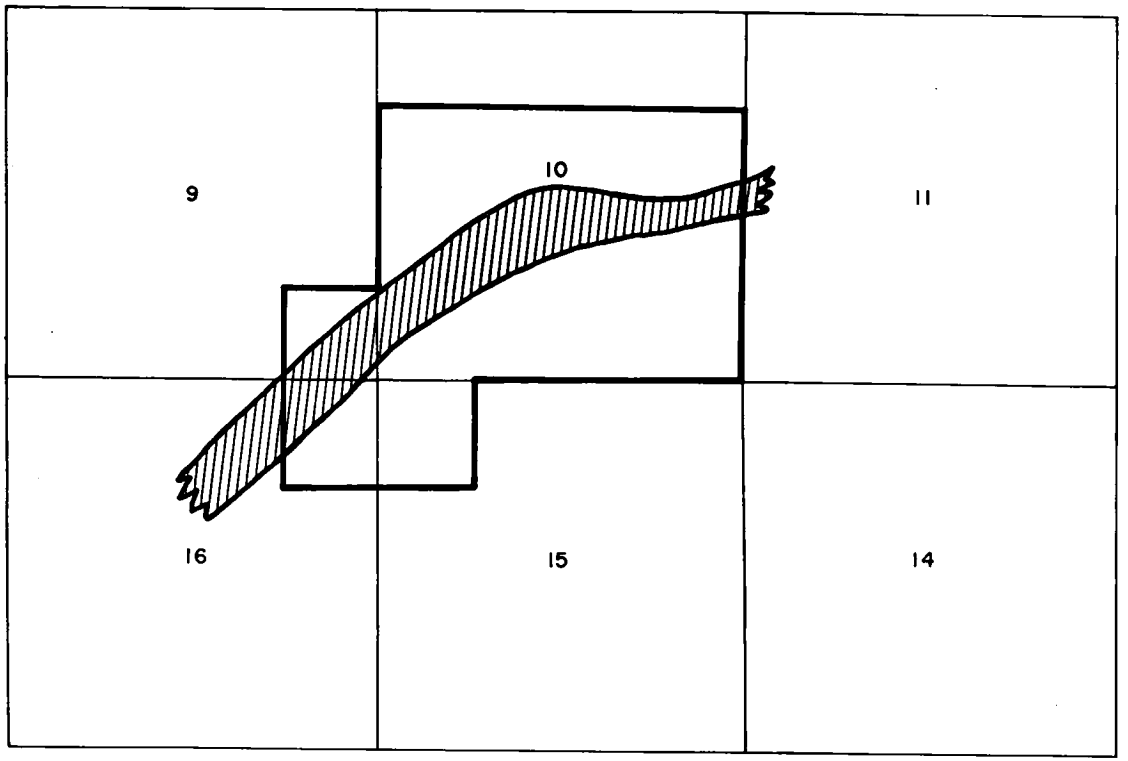


Expressed Preference Against Surface Mining

MAP 2-35

CAVANAL (WEST)

6,720 ACRES

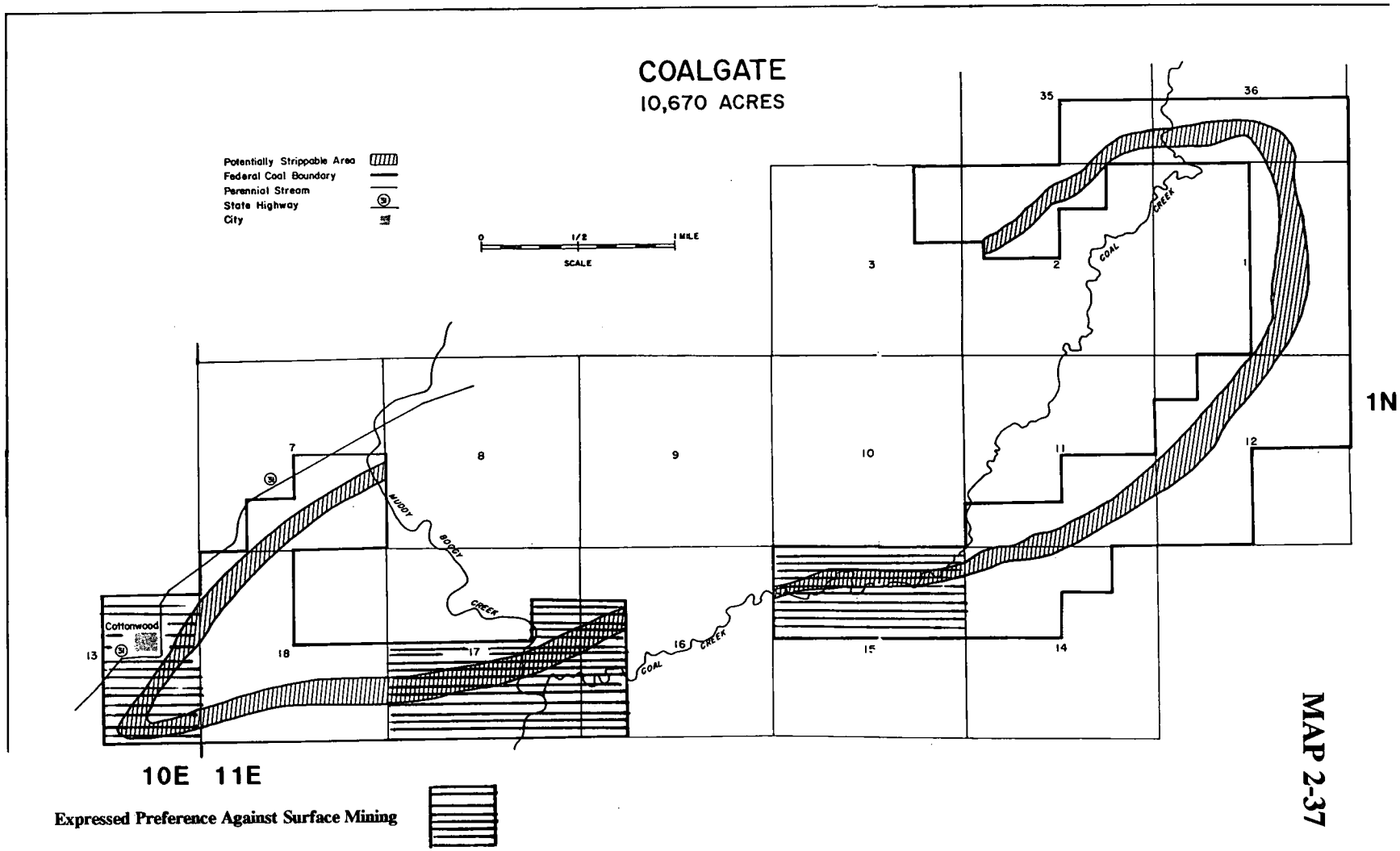


T. 7 N. R. 24 E.

0 1/2 1 MILE
SCALE

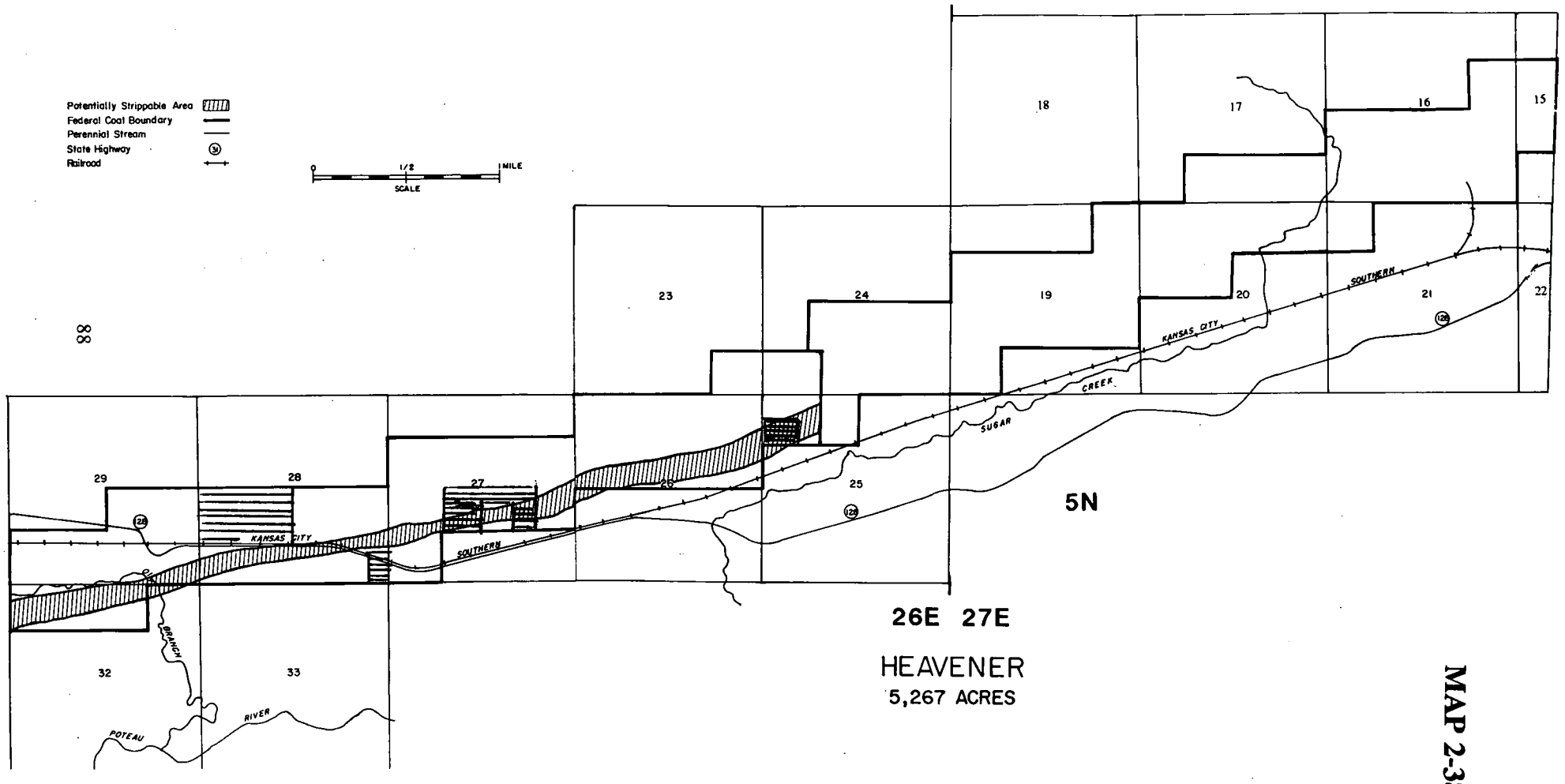
Potentially Strippable Area
Federal Coal Boundary

MAP 2-36



Expressed Preference Against Surface Mining

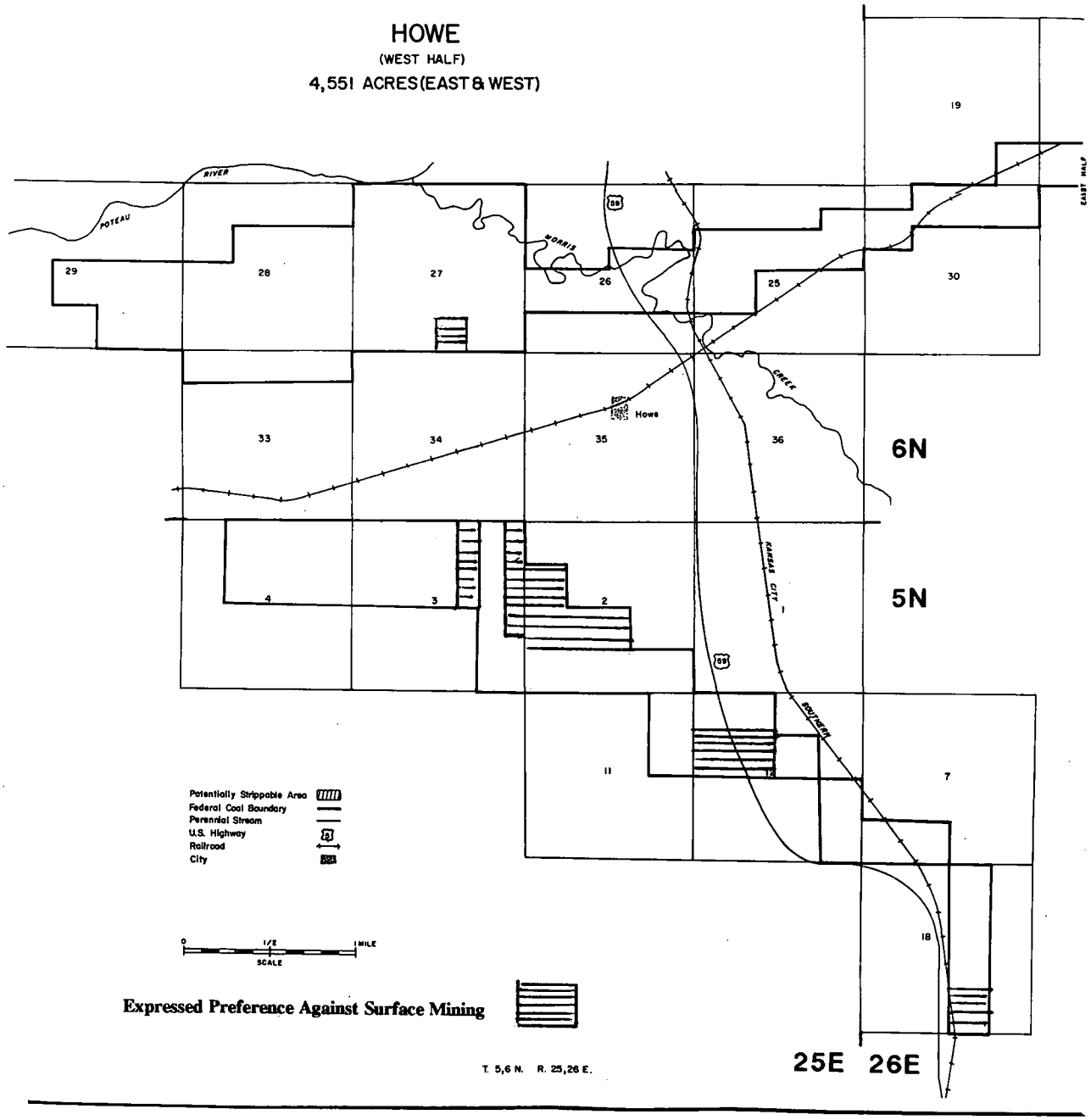
MAP 2-37

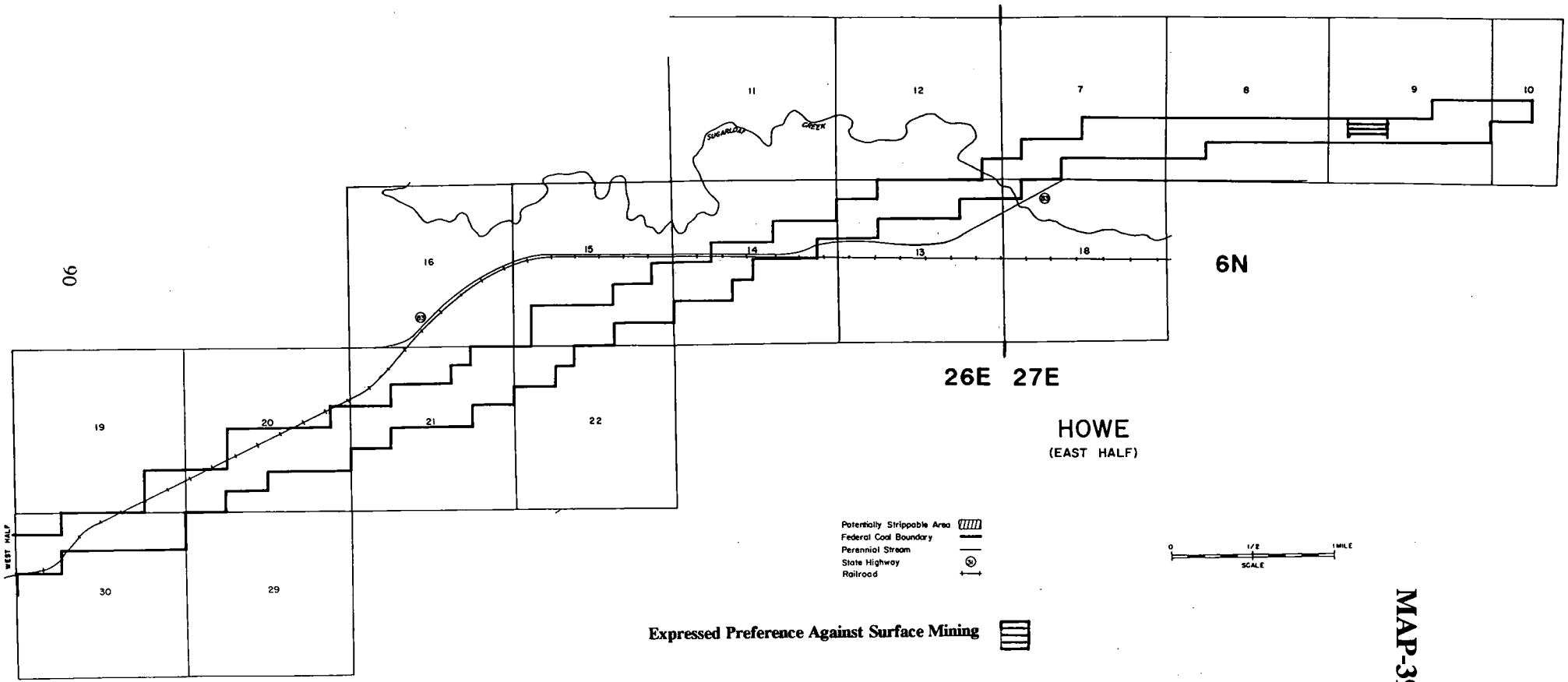


Expressed Preference Against Surface Mining

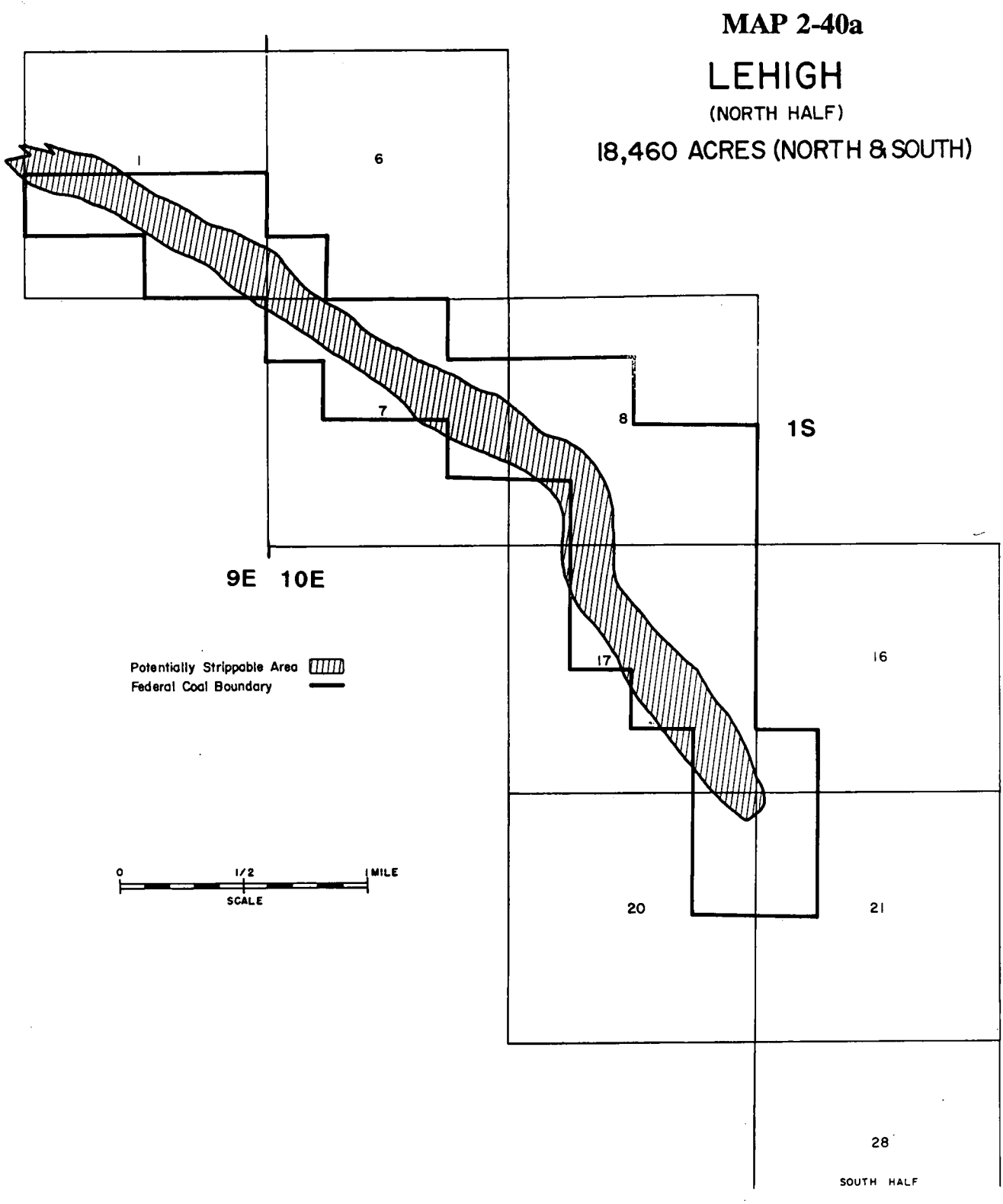
MAP 2-38

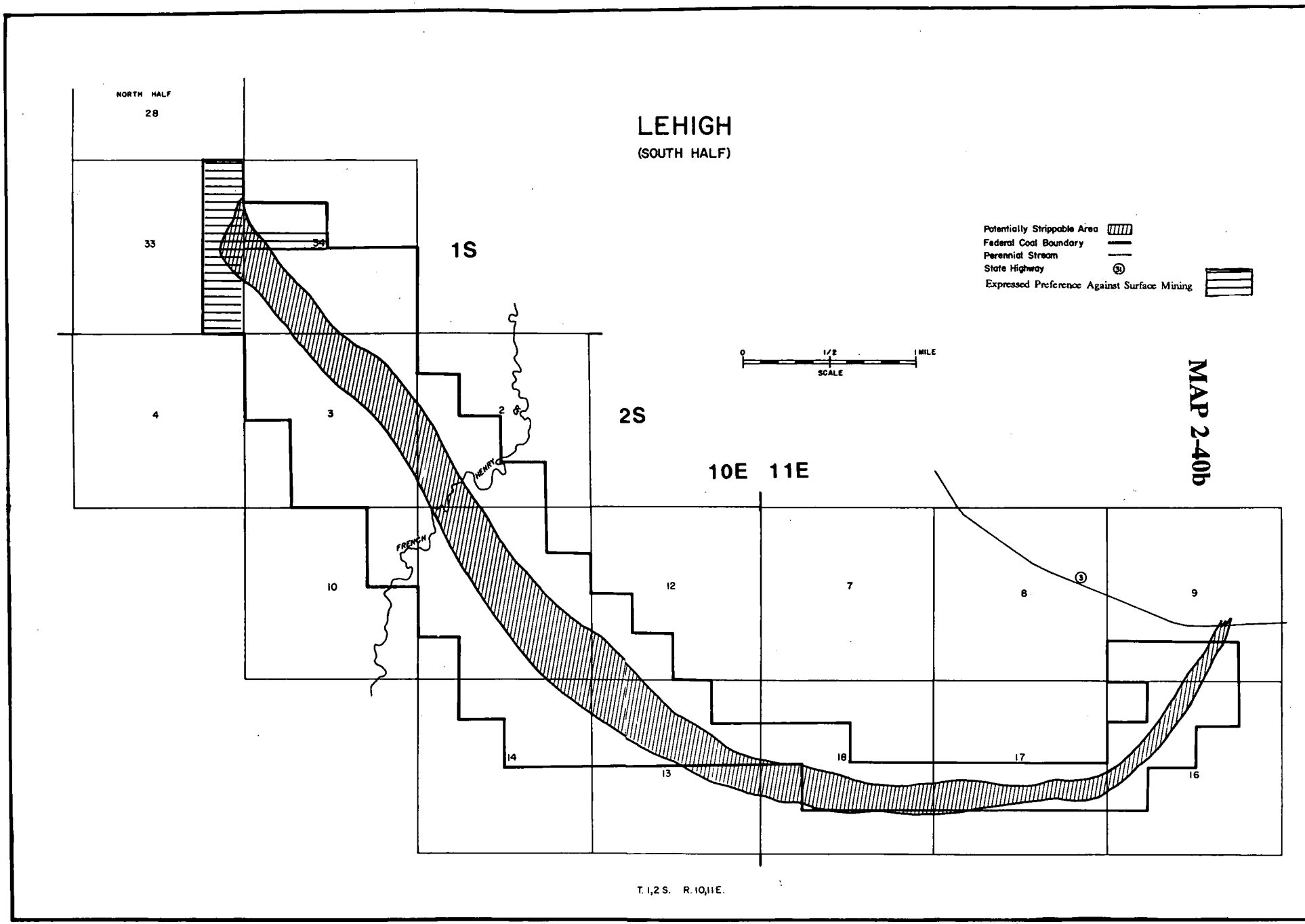
MAP 2-39a

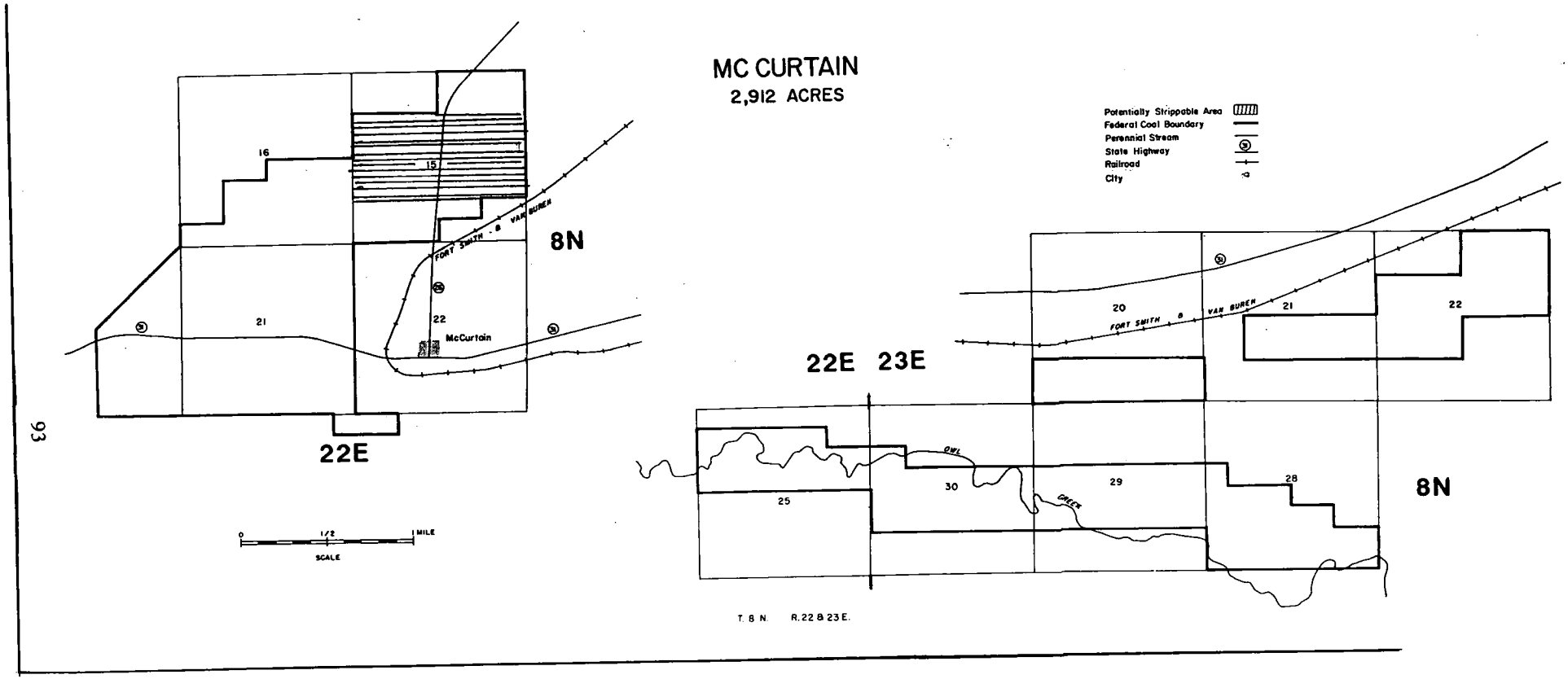

HOWE
(WEST HALF)
4,551 ACRES (EAST & WEST)
RIVER
POTEAU
MORRIS
CREEK
KANSAS CITY
SOUTHERN
EAST HALF
Howe
6N
5N
25E
26E
T. 5,6 N. R. 25,26 E.
Potentially Strippable Area
Federal Coal Boundary
Perennial Stream
U.S. Highway
Railroad
City
0
1/2
1 MILE
SCALE
Expressed Preference Against Surface Mining


11
12
7
8
9
10
SUGARLOAF CREEK
16
15
14
13
18
6N
19
20
21
22
26E 27E
HOWE
(EAST HALF)
WEST HALF
30
29
Potentially Strippable Area
Federal Coal Boundary
Perennial Stream
State Highway
Railroad
0
1/2
1 MILE
SCALE
Expressed Preference Against Surface Mining
T. 6 N. R. 26, 27 E.

MAP-39b


MAP 2-40a
LEHIGH
(NORTH HALF)
18,460 ACRES (NORTH & SOUTH)
1
6
7
8
1S
9E 10E
17
16
Potentially Strippable Area
Federal Coal Boundary
0
1/2
1 MILE
SCALE
20
21
28
SOUTH HALF


LEHIGH
(SOUTH HALF)
NORTH HALF
28
33
34
1S
4
3
2
2S
10E 11E
HENRY
FRENCH
10
12
7
8
9
14
13
18
17
16
Potentially Strippable Area
Federal Coal Boundary
Perennial Stream
State Highway
Expressed Preference Against Surface Mining
0
1/2
1 MILE
SCALE
MAP 2-40b
T. 1,2 S. R. 10,11 E.



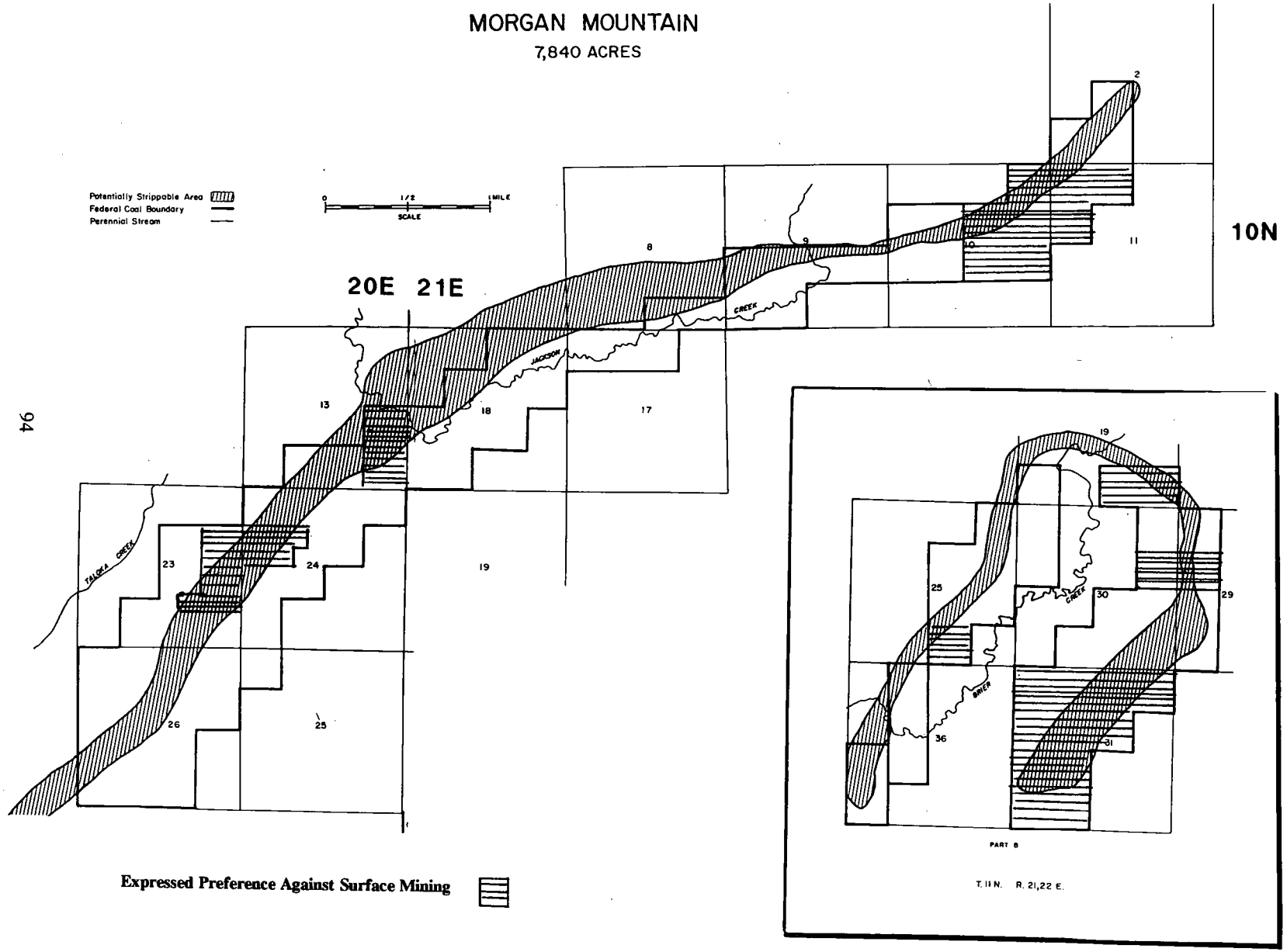
Expressed Preference Against Surface Mining

MAP 2-41

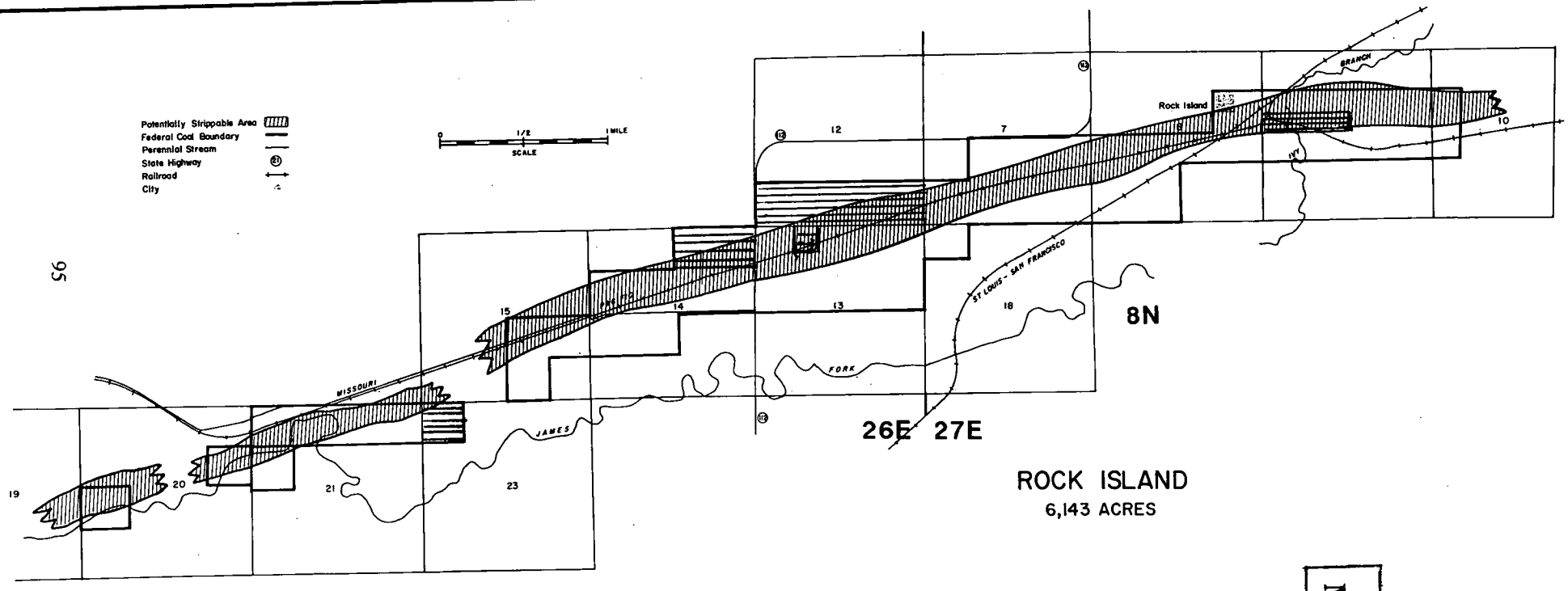
MAP 2-42

MORGAN MOUNTAIN

7,840 ACRES

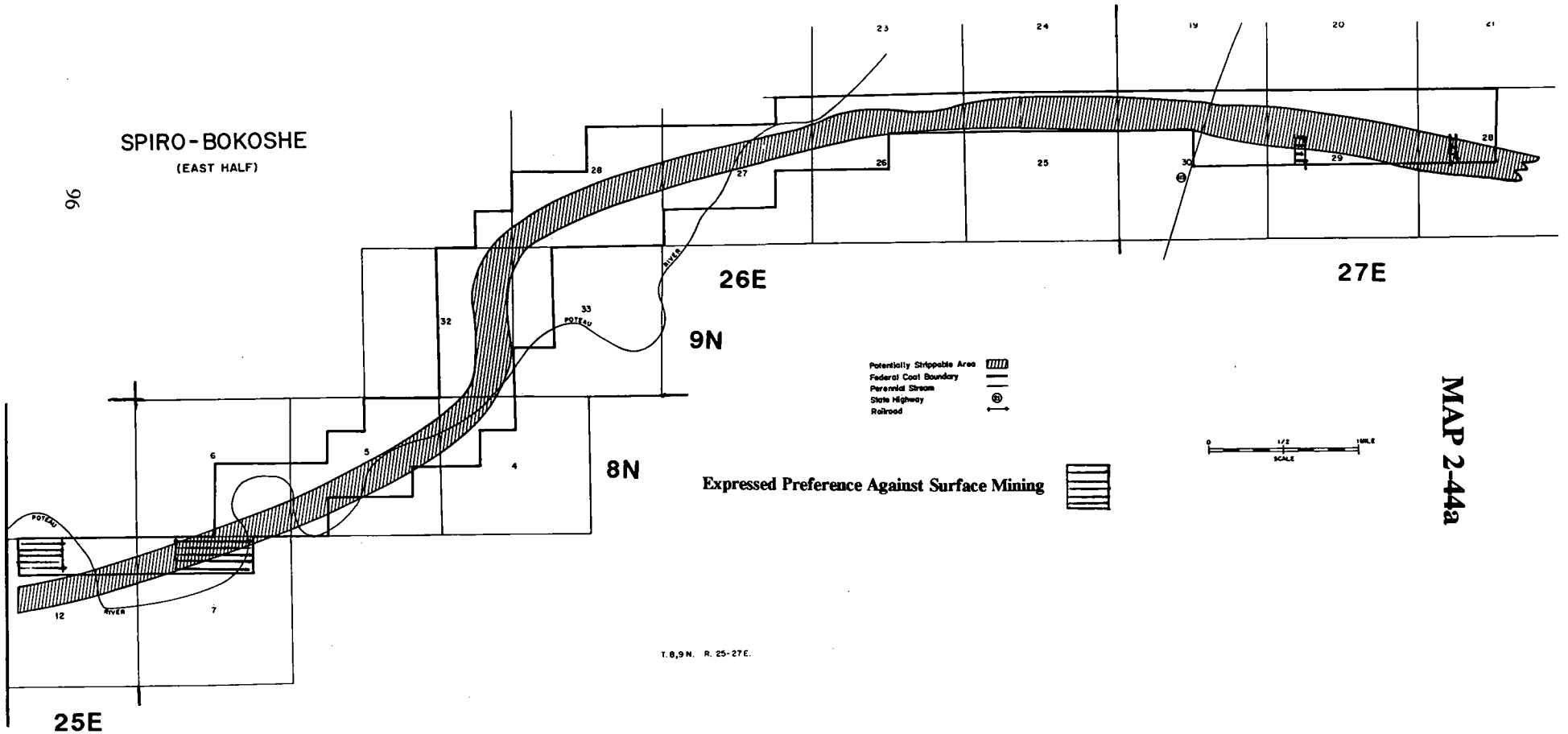


Expressed Preference Against Surface Mining



MAP 2-43

Expressed Preference Against Surface Mining

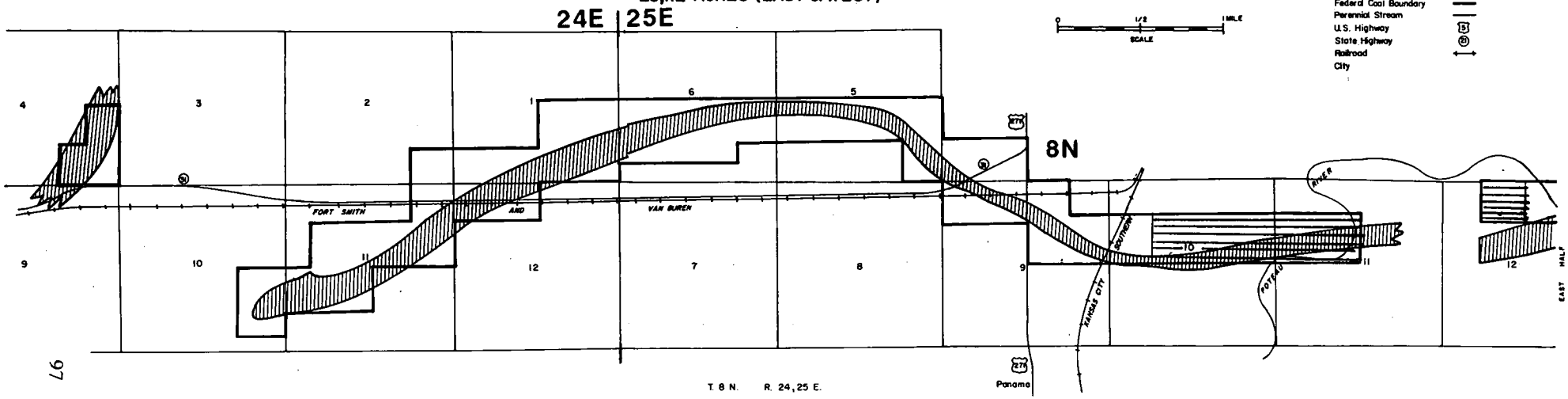

SPIRO-BOKOSHE
(EAST HALF)
25E
26E
27E
9N
8N
POTEAU
RIVER
Potentially Strippable Area
Federal Coal Boundary
Perennial Stream
State Highway
Railroad
Expressed Preference Against Surface Mining
0
1/2
1 MILE
SCALE
T. 8, 9 N. R. 25-27 E.

MAP 2-44a

SPIRO-BOKOSHE

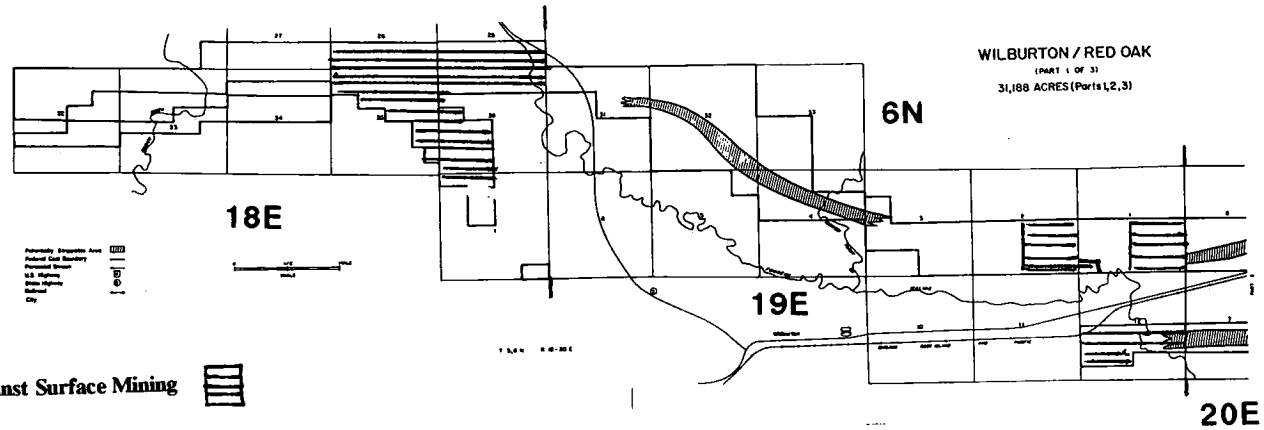
(WEST HALF)

23,112 ACRES (EAST & WEST)



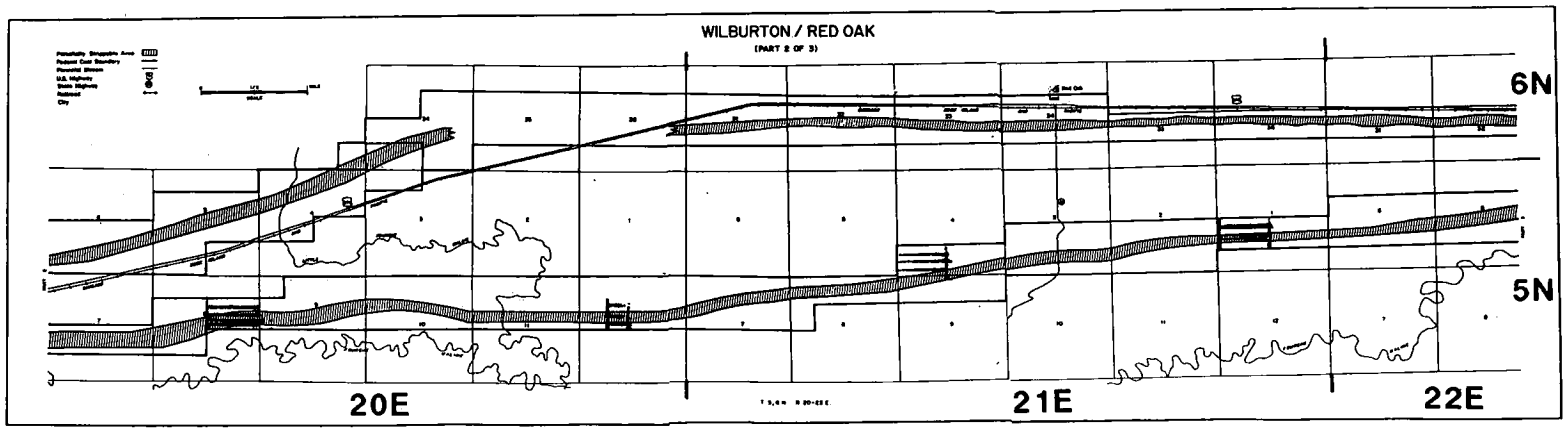
Expressed Preference Against Surface Mining

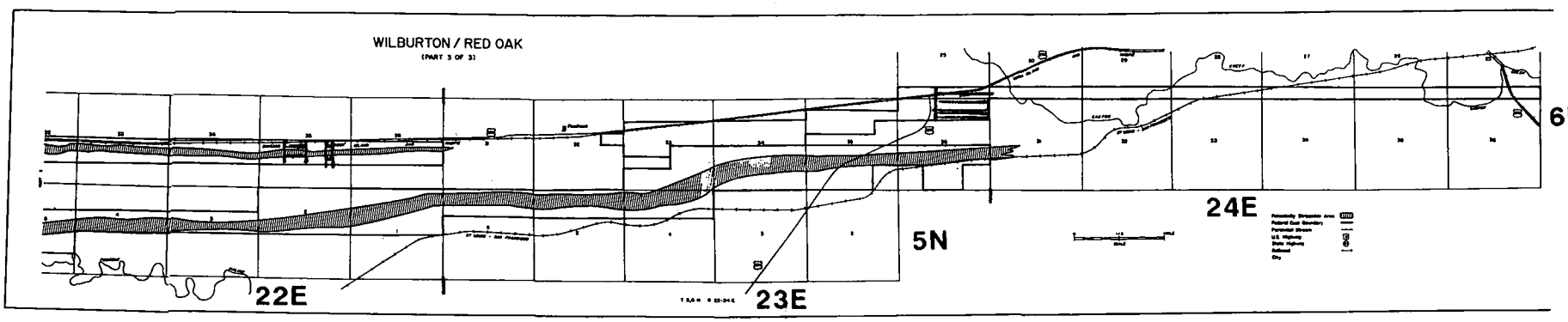
MAP 2-44b

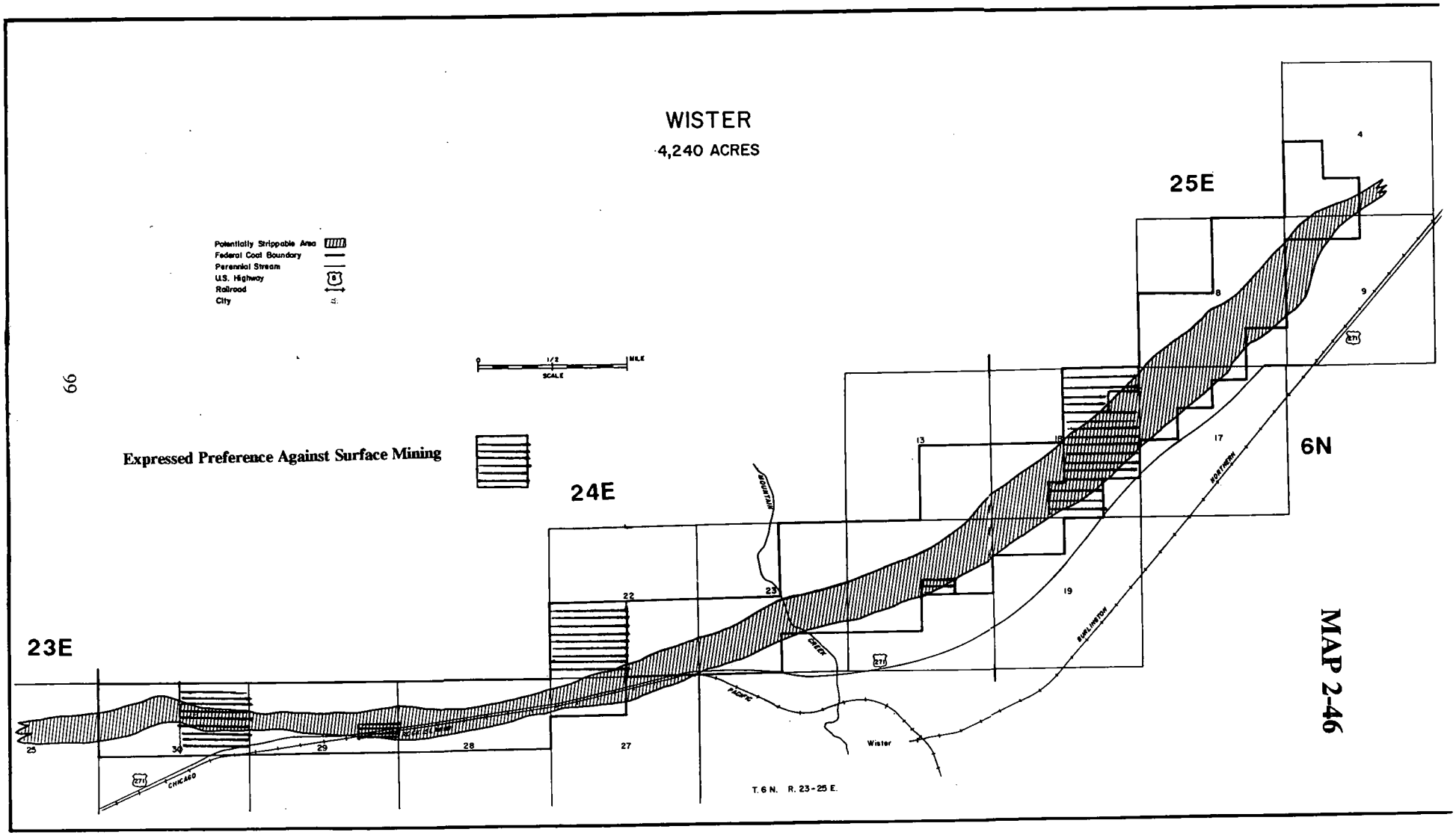


MAP 2-45

Expressed Preference Against Surface Mining






WISTER
4,240 ACRES
Potentially Strippable Area
Federal Coal Boundary
Perennial Stream
U.S. Highway
Railroad
City
0
1/2
MILE
SCALE
Expressed Preference Against Surface Mining
23E
24E
25E
6N
25
30
29
28
27
22
23
13
15
17
19
4
8
9
271
CHICAGO
PACIFIC
FOUNTAIN
CREEK
BURLINGTON
NORTHERN
Wister
T. 6 N. R. 23-25 E.

MAP 2-46

THE RMP FOR ISSUE 3. TOWNSITE DISPOSAL

On February 25, 1982, the Director, Bureau of Land Management changed the program direction for management of public lands in Oklahoma, focusing on the disposal of the remaining public lands (at that time approximately 8,000 acres). In response to that decision, the BLM, ORA initiated a disposal program. While conducting county records research for these actions, it was discovered many townsite reservations had never been patented. These reservations result from a provision in the Act of May 2, 1890, since repealed, that patents for townsites should contain a reservation for parks, schools and other public purposes and that patents should be issued conveying these reservations to the towns when organized as municipalities. A through review of available records revealed 366.779 acres which had been reserved in the original townsite patents remains unpatented. The status of these reserves varies from abandoned townsites which have now been incorporated into adjoining agricultural lands to tracts presently used by the towns and cities for a myriad of applications.

The disposal of these townsite reserves will culminate the original intent of the Act of May 2, 1890, and further accomplish the program direction for management of public lands in Oklahoma.

These actions will be taken under various authorities as tracts are designated for disposal through sales, the R&PP Act, and the COT Act.

Under the RMP the BLM would actively pursue disposal of all townsite reserves. Townsite reserves within incorporated towns or cities would be transferred to those towns or cities that desire such a transfer. The remaining parcels would then be offered based upon the needs of Federal, state, and local governments, adjoining land owners, historical uses, and competitive interests. This would result in first making these parcels available to other Federal agencies, followed respectively by offerings to the State of Oklahoma, and then local government entities which are in vicinity of the lands for augmentation or implementation of their specific missions. The lands would next be offered to adjoining landowners, and finally to individuals and the general public. Disposal would be through sales, the R&PP Act and the COT Act.

THE RMP FOR ISSUE 4. RED RIVER MANAGEMENT

A unique situation exists in relation to the issue of Red River area management. The area itself cannot be defined until action by the U.S. Congress establishes the permanent state boundary between Oklahoma and Texas. At this time the two state's Boundary Commissions are looking at proposals that range from legislating a boundary that includes no PD, to the wide-bed or ancient cut bank which could result in approximately 90,000 acres of public lands. In order to complete the mandated land use planning we have developed three scenarios or potential resource descriptions utilizing the range of possible boundaries which could result from legislation. The RMP will be applied to each scenario which will give us a completed land use plan regardless of the final legislation.

The Red River Management Issue Scenarios are:

(4a.) Legislation establishes the medial line between the geologic cut banks as the boundary between the States of Oklahoma and Texas. By definition, the lands between the medial line and the south bank would be included within the State of Texas regardless of ownership, and would not be within the planning area. This scenario would result in 958 acres of PD situated in isolated tracts north of the medial line being addressed in the RMP.

(4b.) The Boundary Commissions expire with no consensus and no agreement, no legislation will be enacted. In addition to the isolated tracts north of the medial line, approximately 1,400 acres of PD resulting from site specific court decisions would be addressed in the RMP. This scenario has the potential of requiring land use decisions on up to 46,000 acres as additional isolated tracts of PD which could result from future court decisions are identified.

(4c.) Legislation establishes the south geologic cut bank as the boundary between the States of Oklahoma and Texas. The lands south of the medial line between the geologic cut banks would be PD. This scenario could result in up to 90,000 acres addressed in the RMP and would include the formerly isolated tracts as well as acquisition tracts on the north side of the medial line.

The RMP will provide general management guidance, specific projects or actions for a given area or resource would be detailed more precisely in resource or site specific plans.

In order to satisfactorily address the lands and resources between the 98th Meridian and the North Fork of the Red River, the BLM performed resource inventories on all lands, regardless of assumed ownership, between the high geologic cut banks that define the north and south boundaries of the river bed.

The nature of the Red River lands, by definition being the river floodplain, as well as the extensive occurrence of wetlands, riparian zones and endangered species habitats combines to restrict the management options available to the BLM. In order to comply with CMG (laws, regulations and policy) that specifically protect these special lands, proposed actions of the proposed RMP have been evaluated as to applicability of the protective requirements of the CMG. The actions BLM would take under each scenario could be modified by the guidance and restrictions imposed by the legislation developed by the boundary commissions.

THE RMP FOR ISSUE 4 SCENARIO 4a. Medial line as State Boundary (Map 2-47a,b)

Legislation establishes the medial line between the geologic cut banks as the boundary between the States of Oklahoma and Texas. By definition, the lands between the medial line and the south bank would be included within the State of Texas, regardless of ownership and would not be included within the planning area. This scenario would result in 958 acres of public land situated in isolated tracts north of the medial line being addressed in the RMP.

Under the RMP the multiple resource decision would be to adhere to CMG and dispose of the 958 acres of public lands.

In April 1989, the ODWC made application to acquire the approximately 958 acres of public land situated in the five isolated tracts on the north bank of the Red River. BLM would transfer these lands to ODWC under the authority of the R&PP Act to preserve and enhance wildlife habitat and for wildlife oriented recreation. Should this transfer not come to fruition, alternative disposal actions would then be employed. This would result in the offering of these lands, in the following order of precedence, to federal agencies, agencies of the State of Oklahoma, local government entities within the State of Oklahoma, adjoining landowners, and the general public through methods described in Title 43 CFR.

Reactive custodial resource management practices would be continued through completion of the transfer action. These specific resource management actions would occur:

CULTURAL RESOURCES

A Cultural Resources Inventory would be conducted before the transfer of north bank isolated tracts. Stipulations in any land transfer document would require protection of significant historic properties located.

PALEONTOLOGICAL RESOURCES

The paleontological resources program objective under the RMP is to identify and preserve the scientific values of any paleontological resources on PD along the Red River. The action required to accomplish this is to assess the need for a professional paleontological survey of the isolated public tracts before transfer.

GRAZING

The three Section 15 grazing leases currently in effect on portions of the north bank Red River public lands would continue to be administered on a custodial basis until the transfer of these lands was completed. The grazing leases would be cancelled in preparation for transfer of these riparian tracts.

WILDLIFE

The wildlife program would be in the role of providing SSS and wetland/riparian evaluations in support of the lands transfer effort. Wetland restrictions would be included in most transfer patents issued for these public land tracts along the north bank of the Red River.

RECREATION RESOURCES

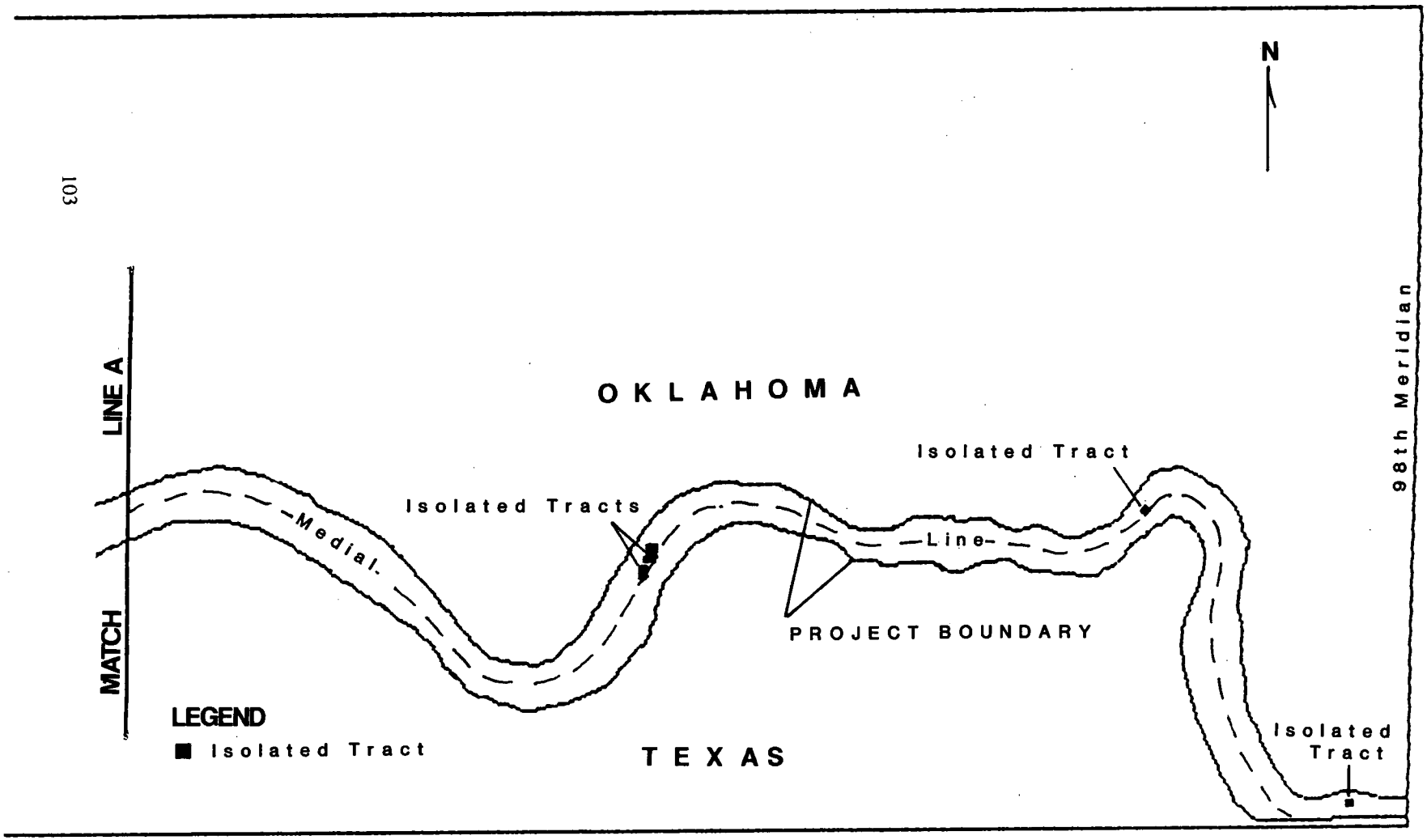
There would be no public recreation resource under this scenario.

MINERALS

The mineral resource would be retained in Federal ownership. All tracts are currently leased for oil and gas development and disposal of the surface would not interfere with oil and gas production. Should these tracts be offered in the future, all would carry ORA-1, ORA-2 and ORA-4 oil and gas Leasing Stipulations.

RED RIVER AREA

SCENARIO 4a
(EAST HALF)

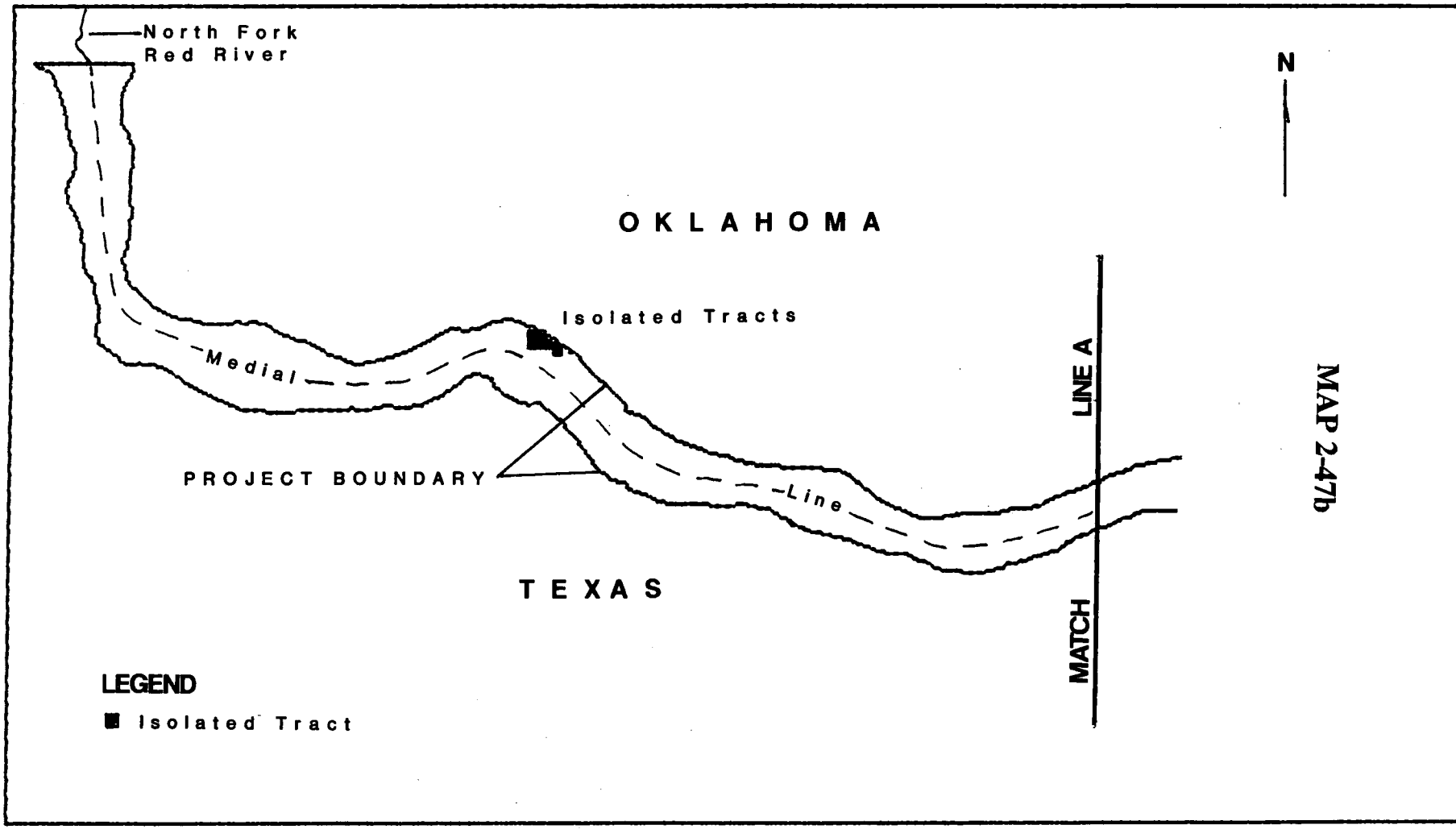


MAP 2-47a

RED RIVER AREA

SCENARIO 4a

(WEST HALF)



MAP 2-47b

THE RMP FOR ISSUE 4, SCENARIO 4b. No Boundary Legislation Enacted. (Map 2-48a,b)

The Boundary Commissions expire with no consensus nor agreement and therefore no legislation is enacted. In addition to the approximately 958 acres in the isolated tracts on the north bank of the river, Goat Island (acreage unavailable), Burke Bet Island (acreage unavailable), and approximately 1,400 acres of public land along the south bank of the river that have been identified as the result of specific court decisions, will be addressed. The 1,400 acres is located on the Red River at the State Highway 79 bridge between Waurika, Oklahoma, and Byers, Texas. This scenario has the potential of requiring future, ongoing land use decisions on up to 46,000 acres of isolated tracts which could be identified through future court decisions.

Under the RMP the BLM would implement the lands disposal decisions from the CMG. Goat Island, Burke Bet island, and the approximately 2,350 acres of public land situated in six isolated tracts on both sides of the Red River would be transferred to other than BLM jurisdiction.

In April 1989, the ODWC made application to acquire the approximately 958 acres of public land situated in the five isolated tracts on the north bank of the Red River. BLM would transfer these lands to ODWC under the authority of the R&PP Act to preserve and enhance wildlife habitat and for wildlife oriented recreation. Should this transfer not come to fruition, alternative disposal actions would then be employed. This would result in the offering of these lands, in the following order of precedence, to federal agencies, agencies of the State of Oklahoma, local government entities within the State of Oklahoma, adjoining landowners, and the general public through methods described in Title 43 CFR.

Reactive custodial resource management practices would be continued through completion of the transfer action. These specific resource management actions would occur:

CULTURAL RESOURCES

A Cultural Resources Inventory would be conducted before the transfer of north bank isolated tracts. Stipulations in any land transfer document would require protection of significant historic properties located.

PALEONTOLOGICAL RESOURCES

The paleontological resources program objective under the RMP is to identify and preserve the scientific values of any paleontological resources on PD along the Red River. The action required to accomplish this is to assess the need for a professional paleontological survey of the isolated public tracts before transfer.

GRAZING

The three Section 15 grazing leases currently in effect on portions of the north bank Red River public lands would continue to be administered on a custodial basis until the transfer of these lands was completed. The grazing leases would be cancelled in preparation for transfer of these riparian tracts.

Pending applications for Section 15 grazing leases on the Red River public lands along the south bank in Jefferson County would be rejected/denied based on the decision to transfer the subject public lands out of BLM jurisdiction.

WILDLIFE

The wildlife program would be in the role of providing SSS and wetland/riparian evaluations in support of the lands transfer effort. Wetland restrictions would be included in most transfer patents issued for these public land tracts along the north bank of the Red River.

RECREATION RESOURCES

There would be no public recreation resource under this scenario.

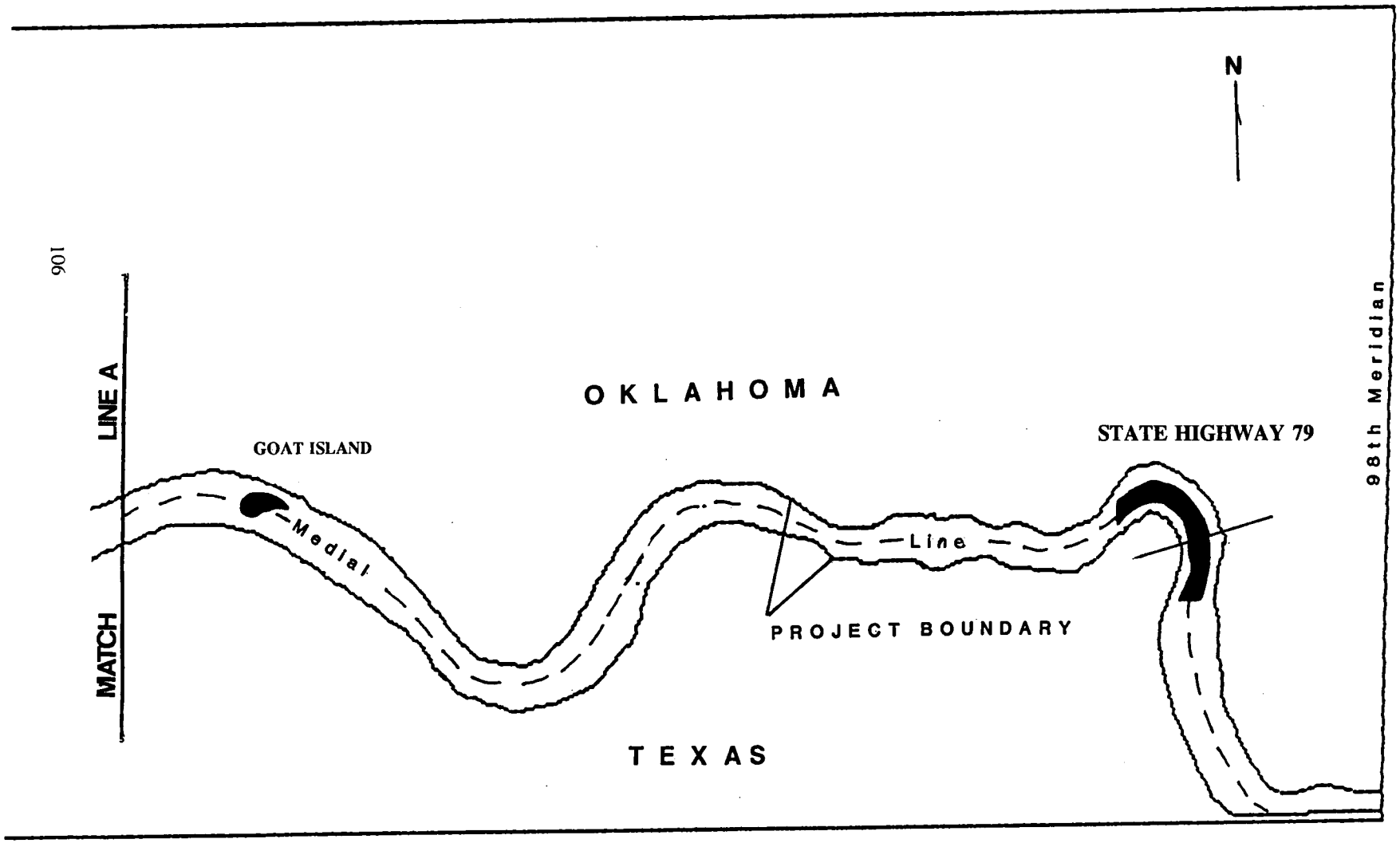
MINERALS

The mineral resource would be retained in Federal ownership. All tracts are currently leased for oil and gas development and disposal of the surface would not interfere with oil and gas production. Should these tracts be offered in the future, all would carry ORA-1, ORA-2 and ORA-4 oil and gas Leasing Stipulations.

RED RIVER AREA

SCENARIO 4b

(EAST HALF)

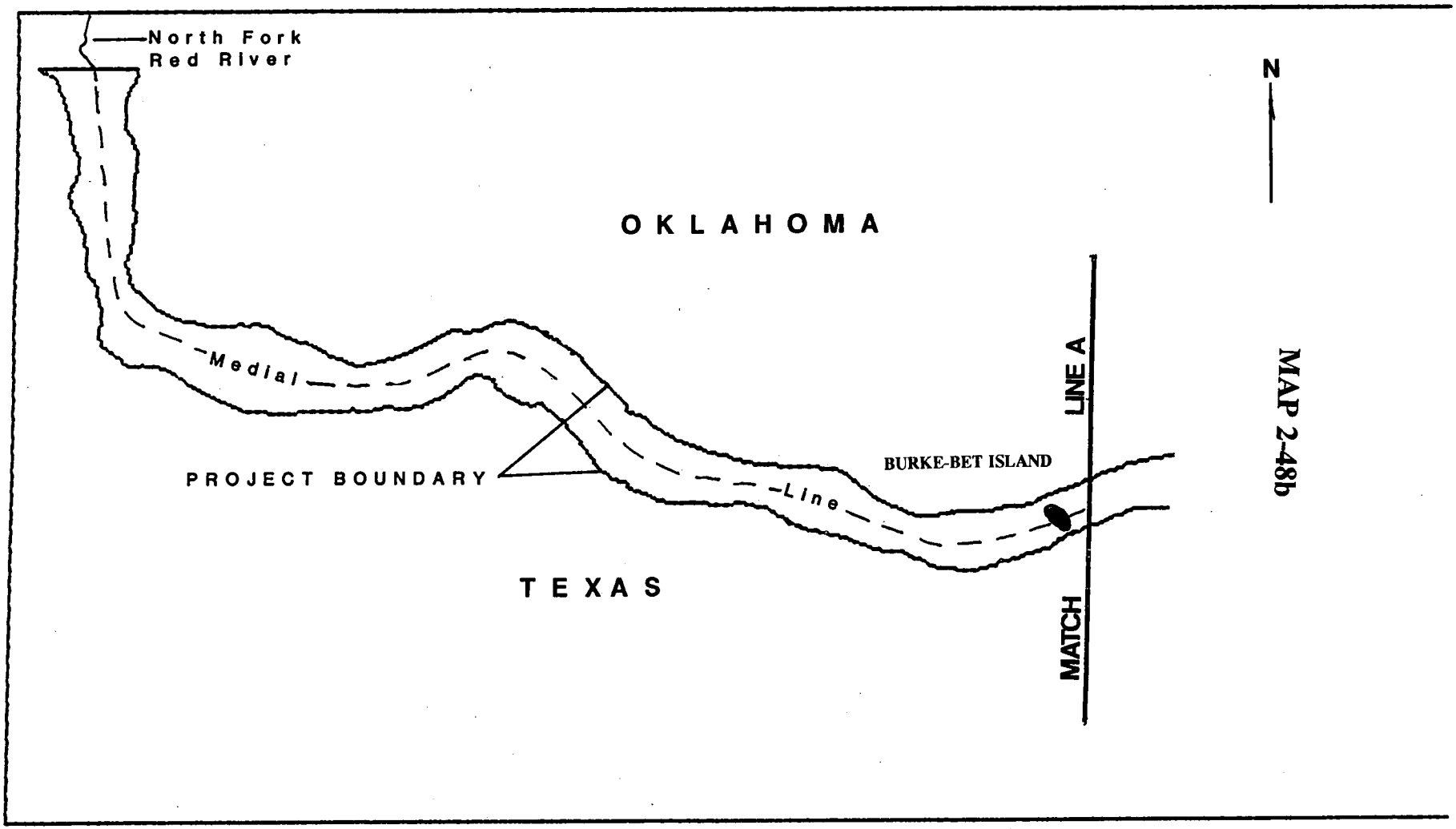


MAP 2-48a

RED RIVER AREA

SCENARIO 4b

(WEST HALF)



MAP 2-48b

THE RMP FOR ISSUE 4, SCENARIO 4c. Boundary Legislation Enacted. (Map 2-49)

Legislation establishes the south geologic cut bank of the Red River as the boundary between the States of Oklahoma and Texas. This would result in approximately 45,000 acres between the medial line and the south geologic cut bank being identified as PD. This scenario would result in approximately 90,000 total acres being addressed. This would include the isolated tracts of PD on the north side of the medial line, private lands north of the medial line which are identified for acquisition, and the land between the medial line and the south geologic cut bank.

Under the RMP the BLM decision would be to retain and manage the Red River public lands and resources.

As was stated previously, the RMP will provide general management guidance, specific projects or actions for a given area or resource would be detailed more precisely in resource or site specific plans.

In addition to those actions required by CMG specific resource program decisions would include:

LANDS

Unauthorized use of PD would be identified. These unauthorized uses, as well as claims of title, would then be adjudicated and processed as required. An access acquisition program would be initialized in order to gain ingress and egress in support of other BLM resource specific activities. Acquisition of lands identified as desirable or necessary to continue or augment other BLM resource specific activities would be sought.

CULTURAL RESOURCES

A Cultural resources management plan would include:

Completion of a Class II cultural resource inventory, Identification for acquisition of adjacent north bank non-PD identified as containing significant cultural resources in need of protection, visitor impact mitigation, and consultation with local Indian tribes to locate and protect unmarked sacred ceremonial sites or unmarked graves.

PALEONTOLOGICAL RESOURCES

Paleontological resource management would be accomplished by:

1. Assessing the need for a professional paleontological inventory of all the PD area.

2. Contract for a professional paleontological inventory, if necessary; and require evaluation and recommendations for any specially significant localities.

3. Require all Class III cultural resource reports to include a description of any paleontological resources found during the inventory.

GRAZING

The BLM would consider the use of livestock grazing (Section 15 leases) in the riparian corridor as a vegetation management tool.

Pending and subsequent Section 15 grazing lease applications would be evaluated. All existing and future Section 15 BLM grazing leases associated with the north or south bank of the Red River would receive substantial supervision. Monitoring plans for these lands would be developed through supplemental activity planning if necessary with the principal goal being management of the wetland and riparian vegetation to achieve the desired plant community.

Coordinated resource management plans would be used to determine the ecological site condition and/or the desired plant community and the level and periodicity of livestock grazing necessary to accomplish these goals.

Abatement of unauthorized grazing use would be aggressively pursued.

WILDLIFE

Watchable wildlife areas would be developed where new access can be obtained into especially unique wetland-riparian areas and in association with one or more of the three highway bridge crossings which exist across the RRMA. Through a coordinated, or integrated, resource management approach the type and extent of such wildlife viewing areas could be determined. Some species of interest which are currently known to be visible from the bridges include least terns, bald eagles (both are Federally listed species), snowy plovers, great blue herons, egrets, wild turkeys, whitetail deer and sandhill cranes.

Cooperative management agreements would be sought with the USFWS, Texas Parks and Wildlife Department, ODWC and possibly other conservation agencies or organizations to provide access to or, for management of portions, or all, of the public land acreage to further promote the enhancement of the wildlife resources associated with these Red River public lands. Such agreements could result in National Conservation Area(s), state refuge(s) and/or public hunting area(s). Hunting by special permit only or use of the Sikes Act program would enable the management of numbers of people in the area(s).

The BLM wildlife program would recommend acquiring most of the north bank lands. Such acquisitions, coupled with cooperative management arrangements with upland land owners, would enhance biodiversity management within the Red River ecosystem. Administrative control of this portion of the Red River corridor would also benefit aggressive intra-agency cooperative management of the wetland, riparian, SSS and neotropical migratory bird resources associated with this riparian corridor.

RECREATION RESOURCES

The PD within the 116 mile RRMA would be available for dispersed recreation activities, including hunting, fishing, sightseeing, horseback riding, hiking and rafting.

Public parking and trailheads for equestrian and foot access could be provided at each of the 3 highway bridges which cross PD along the river. Acquisition of private land adjacent to PD could be pursued as needed to reduce user conflicts and enhance recreational access and opportunities. Vehicular access would be limited to designated routes. The area would be managed to maintain existing VRM qualities. Coordination with the wildlife habitat management program would be required to develop "Watchable Wildlife" opportunities.

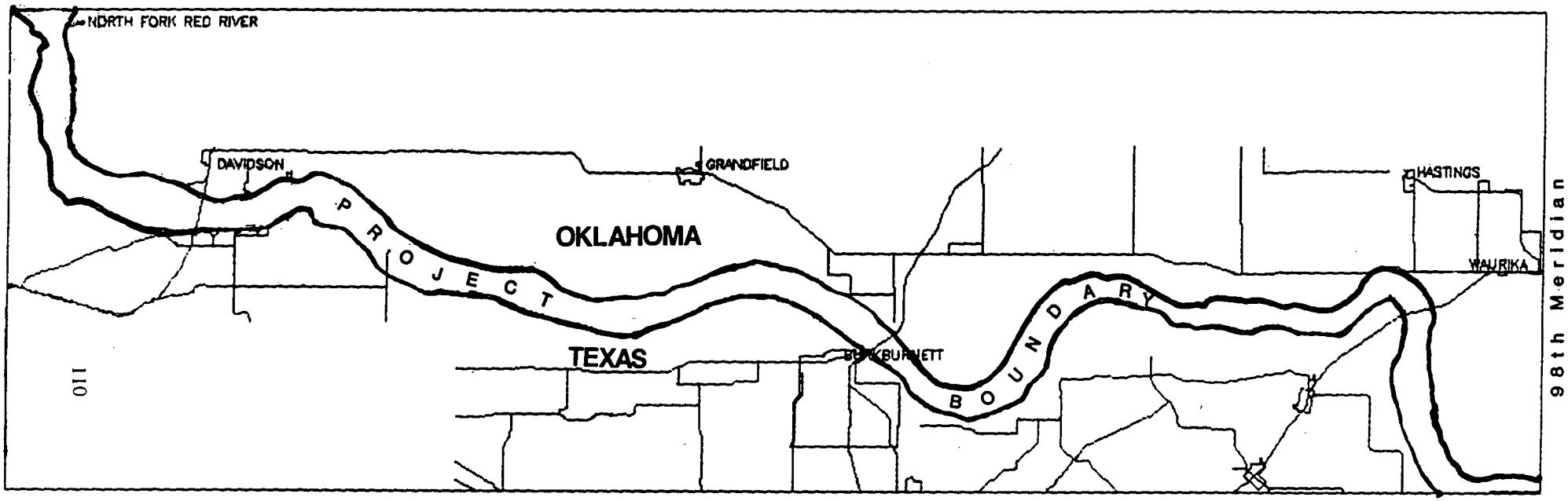
Studies of public land segments of the Red River would be conducted to determine suitability for designation as a Wild and Scenic River. Interim management of BLM administered land within the RRMA would be provided to protect river values until completion of suitability studies by BLM. Interim management in the RRMA would exclude surface disturbing activities, provide VRM Class II management, and protect the segment's free flowing values and identified river values.

MINERALS

The mineral resource would be retained in Federal ownership. Under this alternative all tracts offered for lease in the future would carry ORA-4 NSO stipulations to protect the surface resource values.

RED RIVER AREA

SCENARIO 4c



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N

MAP 2-49

PLAN IMPLEMENTATION AND MONITORING

Implementing The Plan

The approved Oklahoma RMP provides the framework and guidelines for making specific management decisions for the planning area for the next 20 years. Implementation of the management decisions contained within the Oklahoma RMP is considered complete with RMP approval. All future resource management authorizations and actions, including budget proposals, will conform with the Approved Oklahoma RMP.

Monitoring The Plan

Monitoring provides a record of the progress made in implementing the RMP. This monitoring record contains information for use in evaluating the Plans effectiveness and usefulness in the management of public resources. Plan monitoring will be performed by periodic managerial review to ensure that all land-use management decisions conform to the Plan and to the established guidelines. On-the-ground actions resulting from management decisions will be monitored by agency personnel to establish how effective the management measures are at minimizing environmental impacts. Where such management measures are found to be ineffective through monitoring, these measures will be revised through the RMP amendment process.

Changing The Plan

The Plan may be changed, if necessary through amendment. Monitoring and evaluation findings, new data, and new or revised policies will be evaluated to determine if there is a need for an amendment. Any change in circumstances or conditions which affect the scope, terms, or conditions of the RMP may warrant an amendment. In all cases, a proposed action that does not conform to the RMP, or was not addressed by the RMP and warrants further consideration before an RMP revision is scheduled would require an amendment. Generally an RMP amendment is site specific or involves only one planning issue.

A plan revision, if necessary would involve the preparation of a new RMP for the entire planning area.

Public Involvement

Public opinion, input and involvement has been sought throughout the planning and decision making process. Public participation was documented in detail in Chapter 5 of the Proposed RMP/FEIS. An annual RMP summary document will be prepared to inform the public of the progress made in plan implementation. This summary will also describe the results of monitoring and evaluation of the effectiveness of the RMP decisions concerning protection of the environment. All persons on the RMP mailing list will be sent copies of the RMP summary documents.

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APPENDIX 1
SPLIT-ESTATE DESCRIPTIONS

INTRODUCTION

The following are general descriptions of the Split-estate tracts within Oklahoma. The field investigations were accomplished following development of county base maps locating the split-estate tracts. Site specific field investigations were made by the RMP team members over the summer and fall of 1992. Tract numbers were assigned by the investigator at time of field evaluation and recorded on the corresponding county base map. The legal descriptions have been abbreviated and acreage estimated from the same county base maps. The tract acreage presented on the descriptions below represent the number of acres reviewed in the field and does not necessarily represent the actual acreage of Federal mineral estate contained in the official records. The split-estate tracts were evaluated in relation to any special or unique surface resource. In all cases the surface acres evaluated were equal to or larger than the Federal mineral estate present.

ALFALFA COUNTY

TRACT 1. 28N,9W, Sec. 24 40 Acres

This tract is located nine miles east of the town of Byron. The tract consists of rolling sand dunes, tall grass prairie with scattered tree thickets.

TRACT 2. 27N,10W, Sec. 2 40 Acres

This tract is located three miles southeast of the town of Byron. The tract is a rolling hill grassland.

TRACT 3. 27N,10W, Sec. 3,4 320 Acres
TRACT 4. Sec. 7 40 Acres
TRACT 5. Sec. 18 40 Acres

Tracts 3-5 occur in the Salt Fork of the Arkansas River bottom just north of the Great Salt Plains National Wildlife Refuge. All tracts are in the floodplain, and all support wetlands. These tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees and grass. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom. The river bottom varies in width from 1/4 mile two over 2 miles.

TRACT 6. 24N,12W, Sec. 4 40 Acres

This cultivated tract is located two miles west of the town of Carmen on State Highway 45.

These tracts would be available for lease. ORA-1 and ORA-2 would apply to tracts 3-5. In addition to the stipulations applied to tracts 3-5 above LN-1 would also apply to these tracts. LN-1 applies due to the riparian nature of these tracts and the documented use of these types of habitats by several special status species (SSS) which are known to occur, or have Federally designated critical habitat, on the nearby Great Salt Plains National Wildlife Refuge (NWR). Bald eagles, interior least terns and whooping cranes occur on and in the vicinity of this refuge.

ATOKA COUNTY

TRACT 1. 3S,9E Sec. 32,33 320 Acres

This tract is located 9 miles west of the town of Caney. The tract consists of native grass covered rolling hills on the north with scattered hardwood trees merging to a flat bottom-land grass pasture on the south. A county road separates this tract from a tributary of Rock Creek.

TRACT 2. 2S,10,11E app. 8,960 Acres

This large contiguous tract stretches from the town of Atoka northwest and west 6 miles to the Coal County line. The tract abuts a large contiguous Coal County tract. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

TRACT 3. 1-2N,12E app. 13,400 Acres

This large contiguous tract stretches from the Coal County line north of Atoka Reservoir 4 miles east. The tract abuts a large contiguous Coal County tract. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 would apply.

TRACT 4. 2N,13E Sec. 3,4,9,10,16,17,19,20,30,31
app. 3,200 Acres

This large contiguous tract stretches from the town of Limestone Gap northeast to the Pittsburg County line along the north side of U.S. Highway 69. The tract abuts a large contiguous Pittsburg County tract. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas.
If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

These tracts would be available for lease. ORA-1 would apply to tract 1. ORA-2 as well as coal protection stipulation NM-10 would apply to tract 2-4.

BEAVER COUNTY

TRACT 1. 6N,24E, Sec. 28 40 Acres

This tract is located 4 miles north and 4 miles east of Forgan. The tract consists of moderately rolling upland sandy hills with native grass pasture.

TRACT 2. 6N,24E, Sec. 8 40 Acres

This tract is located 6 miles north and 2 and 1/2 miles east of Forgan. The tract consists of moderately rolling upland sandy hills with native grass pasture bisected by an intermittent drainage.

TRACT 3. 4N,24E, Sec. 4 80 Acres

This tract is located 1 and 1/2 miles north and 2 and 1/2 miles east of Beaver. The tract consists of moderately rolling upland sandy hills with native grass pasture.

TRACT 4. 4N,24E, Sec. 14 40 Acres

This tract located 1/4 mile north and 4 miles east of Beaver, consists of slightly rolling sandy hills with native grass on the northwestern portion and riparian vegetation on the southeastern portion near the Beaver River.

TRACT 5. 4N,24E, Sec. 11 80 Acres

This tract located 1 mile north and 4 miles east of Beaver consists of moderately rolling upland sandy hills with native grass.

TRACT 6. 4N,25E, Sec. 8 40 Acres

This tract is located 1/2 mile north and 7 miles east of Beaver. The tract consists of moderately rolling upland sandy hills with native grass pasture bisected by Timber Creek.

TRACT 7. 4N,25E, Sec. 5 120 Acres

This tract is located 1 and 1/2 mile north and 7 miles east of Beaver. The tract consists of moderately rolling upland sandy hills with native grass pasture.

TRACT 8. 4N,25E, Sec. 5 45.26 Acres

This tract is located 2 miles north and 7 and 1/2 miles east of Beaver. The tract consists of moderately rolling upland sandy hills with native grass pasture bisected by an intermittent tributary of Timber Creek. The tributary supports a small dense riparian zone/woodlot.

TRACT 9. 6N,25E, Sec. 22 40 Acres

This tract is located 11 miles north and 10 miles east of Beaver. The tract consists of gently sloping sandy upland with native grass pasture.

TRACT 10. 6N,25E, Sec. 15 40 Acres

This tract is located 12 miles north and 9 and 1/2 miles east of Beaver. The tract consists of gently sloping sandy upland with native grass pasture.

TRACT 11. 6N,25E, Sec. 9 3.51 Acres

This tract is located 12 and 1/2 miles north and 9 miles east of Beaver. The tract consists of gently sloping sandy upland with native grass pasture.

TRACT 12. 6N,25E, Sec. 8 5.47 Acres

This tract is located 12 and 1/2 miles north and 7 and 1/2 miles east of Beaver. The tract consists of gently sloping sandy upland with native grass pasture.

TRACT 13. 6N,27E, Sec. 18 80 Acres

This tract is located 7 and 1/2 miles north and 1/2 mile east of Knowles. The tract consists of steeply rolling upland hills heavily bisected by intermittent drainages with native grass pasture.

TRACT 14. 6N,27E, Sec. 17 40 Acres

This tract is located 7 and 1/2 miles north and 2 miles east of Knowles. The tract consists of steeply rolling upland hills heavily bisected by intermittent drainages with native grass pasture.

TRACT 15. 6N,27E, Sec. 20 40 Acres

This tract is located 7 miles north and 2 miles east of Knowles. The tract consists of steeply rolling upland hills heavily bisected by intermittent drainages with native grass pasture.

TRACT 16. 6N,27E, Sec. 21 80 Acres

This tract is located 7 miles north and 2 and 1/4 miles east of Knowles. The tract consists of steeply rolling upland hills heavily bisected by intermittent drainages with native grass pasture.

TRACT 17. 6N,27E, Sec. 12 17.05 Acres

This tract is located 10 miles north and 1 and 1/2 miles west of Gate. The tract consists of moderately rolling upland hills bisected by intermittent drainages with native grass pasture.

TRACT 18. 6N,28E, Sec. 7 17.99 Acres

This tract is located 10 miles north and 1 and 1/4 miles west of Gate. The tract consists of moderately rolling upland hills bisected by intermittent drainages with native grass pasture.

TRACT 18A. 6N,28E, Sec. 8 17.43 Acres

This tract is located approximately 10 miles north and 1 mile west of Gate. The tract consists of moderately rolling upland hills bisected by intermittent drainages with native grass pasture.

TRACT 19. 6N,28E, Sec. 34 40 Acres

This tract is located 6 and 1/4 miles north and 1 mile east of Gate. The tract consists of bottom land native pasture, river flood plain, riparian vegetation and the river bed of the Cimarron River.

TRACT 20. 6N,28E, Sec. 27 40 Acres

This tract is located 7 and 1/2 miles north and 1 and 1/2 miles east of Gate. The tract consists of bottom land native pasture, river flood plain, riparian vegetation and the river bed of the Cimarron River.

TRACT 21. 6N,28E, Sec. 22 80 Acres

This tract is located 8 miles north and 1 and 1/2 miles east of Gate. The northwest portion of the tract is moderately rolling hills with native grass pasture becoming transitional bottom land pasture, riparian vegetation and flood plain with the river bed of the Cimarron River in the southeastern most portion of the tract.

TRACT 22. 6N,28E, Sec. 23 120 Acres

This tract is located 8 miles north and 2 miles east of Gate. The northern portion of the tract is moderately rolling hills with native grass pasture becoming transitional bottom land pasture, riparian vegetation and flood plain with the river bed of the Cimarron River in the southern most portion of the tract.

TRACT 23. 4N,27E, Sec. 23 40 Acres

This tract is located 4 miles south and 3 and 1/2 miles west of Gate. The tract consists of flat upland native grass pasture.

TRACT 24. 4N,27E, Sec. 26 80 Acres

This tract is located 5 miles south and 3 and 1/4 miles west of Gate. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 25. 4N,27E, Sec. 26 80 Acres

This tract is located 4 and 1/2 miles south and 3 and 3/4 miles west of Gate. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 26. 4N,27E, Sec. 27 160 Acres

This tract is located 4 and 1/2 miles south and 4 and 1/4 miles west of Gate. The tract consists of moderately rolling upland hills with native grass pasture bisected by an intermittent drainage.

TRACT 27. 4N,21E, Sec. 29 40 Acres

This tract is located 11 and 1/2 miles north of the intersection of State Highways 3 and 83. The tract consists of bottom land pasture, riparian vegetation, the flood plain and river bed of the Beaver River.

TRACT 28. 3N,21E, Sec. 6 39.82 Acres

This tract is located at the Beaver River bridge on State Highway 83. The tract consists of bottom land pasture,

riparian vegetation, the flood plain and river bed of the Beaver River. The surface of this tract is owned and managed by the ODWC.

TRACT 29. 3N,20E, Sec. 1 120.02 Acres

This tract is located 1/4 mile west of the Beaver River bridge on State Highway 83. The tract consists of bottom land pasture, riparian vegetation, the flood plain and river bed of the Beaver River.

TRACT 30. 4N,22E, Sec. 17 40 Acres

This tract is located 11 miles west of Beaver, within the Beaver River Wildlife Management Area. The tract consists of gently rolling upland hills with native grass on the southeastern portion becoming transitional bottom land/flood plain with riparian vegetation of the Beaver River on the northwestern portion.

TRACT 31. 4N,22E, Sec. 18 40 Acres

This tract is located 1/2 mile south and 11 and 1/4 miles west of Beaver, within the Beaver River Wildlife Management Area. The tract consists of gently rolling upland hills with native grass bisected by an intermittent drainage.

TRACT 32. 4N,22E, Sec. 3 160 Acres

This tract is located 1 and 1/4 miles north and 8 and 1/4 miles west of Beaver, within the Beaver River Wildlife Management Area. The tract consists of moderately rolling upland sandy hills with native grass and brush.

TRACT 33. 4N,22E, Sec. 12 80 Acres

This tract is located 1 mile north and 6 and 3/4 miles west of Beaver, within the Beaver River Wildlife Management Area. The tract consists of moderately rolling upland sandy hills with native grass and brush. A Beaver River Wildlife Management Area primitive camp site is located in the southwest corner of the tract.

TRACT 34. 4N,26E, Sec. 21 120 Acres

This tract is located 5 miles south and 3 and 3/4 miles west of Knowles. The north and east portions of the tract consists of moderately rolling upland hills with native grass and a few scattered large trees becoming bottom land pasture/flood plain with riparian vegetation and the riverbed of the Beaver River in the southwestern portion.

TRACT 35. 4N,26E, Sec. 28 40 Acres

This tract is located 6 and 1/4 miles south and 3 and 1/2 miles west of Knowles. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 36. 5N,27E, Sec. 23 40 Acres

This tract is located 1 and 3/4 miles north and 3 and 1/4 miles west of Gate. The tract consists of gently rolling upland hills with native grass pasture bisected by an intermittent tributary of the West Fork of Horse Creek. The tributary supports a riparian zone/woodlot of trees and brush.

TRACT 37. 4N,28E, Sec. 28 40 Acres

This tract is located 4 and 1/4 miles south and 1/4 mile east of Gate. The tract consists of improved grass bottom land pasture and flood plain with riparian vegetation of the Beaver River.

TRACT 38. 4N,27E, Sec. 35 40 Acres

This tract is located 6 miles south and 4 miles west of Gate. The tract consists of bottom land riparian vegetation, the flood plain and river bed of the Beaver River.

TRACT 39. 3N,26E, Sec. 20 160 Acres

This tract is located 7 and 1/4 miles south and 12 and 3/4 miles east of Beaver. The tract consists of gently rolling upland sandy hills with native grass pasture.

TRACT 40. 3N,23E, Sec. 1 40 Acres

This tract is located 4 miles south and 1 mile west of Beaver. The tract consists of gently rolling upland hills with improved grass pasture. There is an inactive gravel quarry covering approximately three acres in the southeast corner of the tract.

TRACT 41. 3N,23E, Sec. 23 400 Acres

This tract is located 6 miles north and 1 mile west of the intersection of State Highways 3 and 270. The tract consists of gently rolling upland hills with native grass pasture bisected by intermittent drainages.

TRACT 42. 3N,23E, Sec. 26 160 Acres

This tract is located 5 and 1/2 miles north and 1 mile west of the intersection of State Highways 3 and 270. The tract consists of gently rolling upland hills with

native grass pasture bisected by intermittent drainages. There is an occupied dwelling in the approximate center of the north half of the north half of the parcel.

TRACT 43. 2N,24E, Sec. 6 160 Acres

This tract is located 3 miles north and 1/2 mile east of the intersection of State Highways 3 and 270. The tract consists of gently rolling upland hills with native grass pasture bisected by an intermittent unnamed tributary of Clear Creek.

TRACT 44. 2N,24E, Sec. 8 480 Acres

This tract is located 2 miles north and 1 mile east of the intersection of State Highways 3 and 270. The tract consists of gently rolling upland hills with native grass pasture except for approximately eighty acres of cultivated crop land located in the north half of the northeast quarter. The tract is bisected by Clear Creek and it's tributaries. Clear Creek supports a riparian zone/woodlot of large trees and riparian vegetation. There are two occupied dwellings in the extreme eastern most portion of the tract.11

TRACT 45. 1N,23E, Sec. 1 40 Acres

This tract is located 2 and 1/2 miles south and 1/2 mile west of the intersection of State Highways 3 and 270. The tract consists of cultivated gently rolling upland.

TRACT 46. 2N,22E, Sec. 13 40 Acres

This tract is located 1 mile north and 6 and 1/2 miles west of the intersection of State Highways 3 and 270. The tract consists of moderately rolling upland hills with native grass pasture bisected by the intermittent North Fork of Clear Creek.

TRACT 47. 2N,20E, Sec. 18 73.62 Acres

This tract is located 1 mile north and 6 and 3/4 miles west of the intersection of State Highways 3 and 83. The tract consists of flat bottom land native grass pasture, riparian vegetation, the flood plain and creek bed of Fulton Creek.

TRACT 48. 1S,20E, Sec. 6 15.47 Acres

This tract is located 8 miles south and 6 miles west of the intersection of State Highways 3 and 83. The tract consists of flat upland cultivated fields.

TRACT 49. 1S,20E, Sec. 5 15.83 Acres

This tract is located 8 miles south and 5 miles west of the intersection of State Highways 3 and 83. The tract consists of flat upland cultivated fields.

TRACT 50. 1S,20E, Sec. 4 15.94 Acres

This tract is located 8 miles south and 4 miles west of the intersection of State Highways 3 and 83. The tract consists of flat upland cultivated fields.

TRACT 51. 1S,20E, Sec. 3 15.80 Acres

This tract is located 8 miles south and 3 miles west of the intersection of State Highways 3 and 83. The tract consists of gently rolling upland hills with improved grass pasture.

TRACT 52. 1S,20E, Sec. 2 15.78 Acres

This tract is located 8 miles south and 2 miles west of the intersection of State Highways 3 and 83. The tract consists of flat upland with improved grass pasture.

TRACT 53. 1S,20E, Sec. 1 15.77 Acres

This tract is located 8 miles south and 1 mile west of the intersection of State Highways 3 and 83. The west 1/2 of the tract consists of flat upland cultivated fields with the east 1/2 being flat upland improved grass pasture.

TRACT 54. 1S,21E, Sec. 6 15.75 Acres

This tract is located 8 miles south of the intersection of State Highways 3 and 83. The tract consists of flat upland cultivated fields.

TRACT 55. 1S,21E, Sec. 5 15.73 Acres

This tract is located 8 miles south of the intersection of State Highways 3 and 83. The tract consists of flat upland with improved grass pasture.

TRACT 56. 1S,21E, Sec. 4 15.72 Acres

This tract is located 8 miles south and 1 mile east of the intersection of State Highways 3 and 83. The tract consists of flat upland with improved grass pasture. The west 1/2 is bisected by State Highway 83 and has occupied dwellings and businesses adjacent to the highway.

TRACT 57. 1S,21E, Sec. 3 15.70 Acres

This tract is located 8 miles south and 2 miles east of the intersection of State Highways 3 and 83. The tract consists of flat upland with improved grass pasture.

TRACT 58. 1S,21E, Sec. 2 15.76 Acres

This tract is located 8 miles south and 3 miles east of the intersection of State Highways 3 and 83. The tract consists of flat upland with the west 1/2 being improved grass pasture and the east 1/2 being cultivated.

TRACT 59. 1S,21E, Sec. 1 15.83 Acres

This tract is located 8 miles south and 4 miles east of the intersection of State Highways 3 and 83. The tract consists of flat upland cultivated fields.

TRACT 60. 1S,22E, Sec. 6 15.81 Acres

This tract is located 8 miles south and 5 miles east of the intersection of State Highways 3 and 83. The tract consists of flat upland with the west 1/2 being cultivated and the east 1/2 being improved grass pasture.

TRACT 61. 1S,22E, Sec. 5 15.89 Acres

This tract is located 8 miles south and 6 miles east of the intersection of State Highways 3 and 83. The tract consists of flat upland cultivated fields. The east 1/2 half of the tract is bisected by an improved grass drainage.

TRACT 62. 1S,22E, Sec. 4 15.96 Acres

The tract is located 8 miles south and 7 miles east of the intersection of State Highways 3 and 83. The tract consists of flat upland cultivated fields.

TRACT 63. 1S,22E, Sec. 3 16.00 Acres

The tract is located 8 miles south and 8 miles west of the intersection of State Highways 3 and 23. The tract consists of flat upland improved grass pasture.

TRACT 64. 1S,22E, Sec. 2 15.99 Acres

The tract is located 8 miles south and 7 miles west of the intersection of State Highways 3 and 23. The tract consists of flat upland cultivated fields.

TRACT 65. 1S,22E, Sec. 1 15.95 Acres

The tract is located 8 miles south and 6 miles west of the intersection of State Highways 3 and 23. The tract consists of flat upland cultivated fields.

TRACT 66. 1S,23E, Sec. 6 15.91 Acres

The tract is located 8 miles south and 5 miles west of the intersection of State Highways 3 and 23. The tract consists of flat upland cultivated fields.

TRACT 67. 1S,23E, Sec. 5 15.87 Acres

The tract is located 8 miles south and 4 miles west of the intersection of State Highways 3 and 23. The tract consists of flat upland cultivated fields.

TRACT 68. 1S,23E, Sec. 4 15.83 Acres

The tract is located 8 miles south and 3 miles west of the intersection of State Highways 3 and 23. The tract consists of flat upland cultivated fields on the western portion with the eastern portion being improved grass pasture. The middle portion is noted as "dry lake bed" on county maps, but was inundated with standing water at the time of inspection on August 5, 1992.

TRACT 69. 1S,23E, Sec. 3 15.79 Acres

The tract is located 8 miles south and 2 west of the intersection of State Highways 3 and 23. The tract consists of flat upland cultivated fields.

TRACT 70. 1S,23E, Sec. 2 14.90 Acres

The tract is located 8 miles south and 1 mile west of the intersection of State Highways 3 and 23. The tract consists of flat upland cultivated fields with the west half being bisected by Duck Pond Creek.

TRACT 71. 1S,23E, Sec. 1 13.15 Acres

The tract is located 8 miles south of the intersection of State Highways 3 and 23. The tract consists of flat upland cultivated fields.

TRACT 72. 1S,24E, Sec. 6 12.46 Acres

The tract is located 8 miles south of the intersection of State Highways 3 and 23. The tract consists of flat upland cultivated fields with a stock pond in the approximate center of the tract.

TRACT 73. 1S,24E, Sec. 5 11.83 Acres

The tract is located 8 miles south and 1 mile east of the intersection of State Highways 3 and 23. The tract consists of gently sloping upland cultivated fields on the western 3/4s with gently rolling upland hills with native grass pasture on the eastern most portion.

TRACT 74. 1S,24E, Sec. 4 11.43 Acres

The tract is located 8 miles south and 2 miles east of the intersection of State Highways 3 and 23. The tract consists of gently rolling upland hills with native grass pasture on both the western and eastern most portions and gently sloping upland cultivated fields on the middle portion.

TRACT 75. 1S,24ECM, Sec. 3 10.93 Acres

The tract is located 8 miles south and 3 miles east of the intersection of State Highways 3 and 23. The tract consists of gently rolling upland hills with native grass pasture with the extreme eastern most portion being cultivated fields.

TRACT 76. 1S,24ECM, Sec. 2 10.35 Acres

The tract is located 8 miles south and 4 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with the west 1/2 being native grass pasture bisected by an intermittent tributary of South Fork Kiowa Creek supporting a small area of riparian vegetation and the east 1/2 being improved grass pasture.

TRACT 77. 1S,24ECM, Sec. 1 9.68 Acres

The tract is located 8 miles south and 5 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture bisected by an intermittent tributary of South Fork Kiowa Creek.

TRACT 78. 1S,25ECM, Sec. 6 9.15 Acres

The tract is located 8 miles south and 6 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture bisected by an intermittent tributary of South Fork Kiowa Creek.

TRACT 79. 1S,25ECM, Sec. 5 8.39 Acres

The tract is located 8 miles south and 7 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 80. 1S,25ECM, Sec. 4 7.28 Acres

The tract is located 8 miles south and 8 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 81. 1S,25ECM, Sec. 3 6.18 Acres

The tract is located 8 miles south and 9 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture bisected by South Fork Kiowa Creek.

TRACT 82. 1S,25ECM, Sec. 2 5.25 Acres

The tract is located 8 miles south and 10 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture bisected by an intermittent tributary of South Fork Kiowa Creek supporting a riparian zone/woodlot.

TRACT 83. 1S,25ECM, Sec. 1 4.50 Acres

The tract is located 8 miles south and 11 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture bisected by an intermittent drainage.

TRACT 84. 1S,26ECM, Sec. 6 3.73 Acres

The tract is located 8 miles south and 12 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 85. 1S,26ECM, Sec. 5 3.00 Acres

The tract is located 8 miles south and 13 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 86. 1S,26ECM, Sec. 4 2.44 Acres

The tract is located 8 miles south and 14 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture. Kiowa Creek forms the eastern boundary of the tract and supports a riparian zone/woodlot of large trees and other riparian vegetation.

TRACT 87. 1S,26ECM, Sec. 3 1.68 Acres

The tract is located 8 miles south and 15 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture. Kiowa Creek forms the western boundary of the tract and supports a riparian zone/woodlot of large trees and other riparian vegetation.

TRACT 88. 1S,26ECM, Sec. 2 0.96 Acres

The tract is located 8 miles south and 16 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 89. 1S,26ECM, Sec. 1 0.32 Acres

The tract is located 8 miles south and 17 miles east of the intersection of State Highways 3 and 23. The tract consists of moderately rolling upland hills with native grass pasture bisected by an intermittent tributary of Indian Creek. The creek supports a riparian zone with scattered large trees and other riparian vegetation.

TRACT 90. 2N,27ECM, Sec. 27 40 Acres

The tract is located 1 and 1/2 miles west of Slapout. The tract consists of gently rolling upland hills with native grass pasture. An occupied dwelling lies on the western most boundary of the tract.

TRACT 91. 2N,28ECM, Sec. 6 21.94 Acres

The tract is located 3 and 3/4 miles north and 1 mile east of Slapout. The tract consists of gently rolling hills with native grass pasture.

TRACT 92. 1N,28ECM, Sec. 24 14.77 Acres

The tract is located 5 miles south and 5 and 3/4 miles east of Slapout. The tract consists of gently rolling hills with native grass and scattered small trees bisected by Clear Creek and a tributary of Clear Creek. The creek and tributary support a riparian zone/woodlot of large trees and other riparian vegetation.

TRACT 93. 2N,28ECM, Sec. 25 0.28 Acres

All tracts in Beaver County would be available for lease. ORA-1 and ORA-2 would apply to tracts 20-22,27-30, 34,37,38,47. ORA-1 would apply to tract 4. ORA-2 would apply to tracts 6,8,19,36,44,76,82,86-89, and 92. NM-9 NSO would apply to tract 93 due to size. In addition to the stipulations and tracts listed above, ORA-3 (Season of Use Restrictions) would apply to all tracts in Beaver County. ORA-3 applies during all applicable hunting seasons, and from February 15 through May 15, to protect lesser prairie chickens. ORA-4, No surface Occupancy would apply to tract 68 to protect the Playa lake and LN-1 would apply to tracts 19, 20, 21, 22, 30, 27, 28, 29, 34 and 38 due to the documented presence of the bald eagle, interior least tern and the Arkansas River Shiner (refer to Table 3-2 for species information) associated with the major river systems of Beaver County. LN-2 applies to tracts 27, 30, 31, 32 and 33.

The remainder would be available under STC.

BECKHAM COUNTY

TRACT 1.	10N,21W,	Sec. 23	40 Acres
TRACT 2.		Sec. 23	40 Acres

These tracts are located 5 miles due south of Elk City east of State Highway 6. Tracts consisted of rolling hills dominated by grassland vegetation with scattered sagebrush. Tract 2 contained a small drainage with oaks and mesquite.

TRACT 3.	8N,21W,	Sec. 34	40 Acres

This tract is located 2 miles southwest of the intersection of State Highway 6 and State Highway 55 at the town of Retrop. The tract consists of rolling hill grassland with scattered mesquite approximately 10 feet high.

TRACT 4.	8N,21W,	Sec. 30,31	110 Acres
TRACT 5.		Sec. 30	40 Acres
TRACT 6.		Sec. 19	40 Acres
TRACT 7.		Sec. 19	40 Acres
TRACT 8.	8N,22W,	Sec. 15	160 Acres
		Sec. 22	40 Acres
TRACT 9.		Sec. 21	80 Acres
TRACT 10.		Sec. 20	40 Acres
		Sec. 17	40 Acres
TRACT 11.		Sec. 17	40 Acres
TRACT 12.		Sec. 18	40 Acres
TRACT 13.		Sec. 7	80 Acres
	8N,23W,	Sec. 12	40 Acres
TRACT 14.	8N,22W,	Sec. 6	40 Acres
TRACT 15.	9N,22W,	Sec. 19	40 Acres
TRACT 16.		Sec. 18	80 Acres
TRACT 17.		Sec. 12	160 Acres
TRACT 18.		Sec. 3	80 Acres
TRACT 19.		Sec. 5	40 Acres
TRACT 20.	9N,23W,	Sec. 7	160 Acres
TRACT 21.	9N,24W,	Sec. 11	40 Acres
TRACT 22.		Sec. 10	40 Acres
TRACT 23.		Sec. 4	40 Acres
		Sec. 9	40 Acres
		Sec. 10	40 Acres
TRACT 24.		Sec. 4	40 Acres
TRACT 25.	10N,24W,	Sec. 32	40 Acres

		Sec. 29	40 Acres
		Sec. 30	40 Acres
TRACT 26.	10N,25W,	Sec. 25	160 Acres
TRACT 27.		Sec. 26	80 Acres
TRACT 28.		Sec. 28	200 Acres
		Sec. 29	110 Acres
		Sec. 32	80 Acres
		Sec. 31	50 Acres
	9N,25W,	Sec. 6	30 Acres
TRACT 29.	9N,26W,	Sec. 1	160 Acres
TRACT 30.		Sec. 11	60 Acres
TRACT 31.		Sec. 10	40 Acres
TRACT 32.			40 Acres
TRACT 33.	10N,26W,	Sec. 34	80 Acres
TRACT 34.		Sec. 33	160 Acres
		Sec. 32	280 Acres
		Sec. 31	20 Acres

Tracts 4 through 34 are located on the North Fork of the Red River from the Kiowa County line northwest to the Texas state line. Tracts 4 through 18 can be described as a cross section from north to south consisting of rolling hill grasslands grading to scattered mesquite grassland dunes, to a treed riparian zone of approximately 150 to 250 meters, a braided sandy streambed approximately 50 to 100 meters wide, a treed south side riparian zone of approximately 100 to 200 meters, a wetland/grassland (some suitable for cultivation) approximately 500 to 600 meters in width grading to sagebrush covered sand dunes. Tracts 19 through 34 are basically the same cross section reduced considerably. In fact there is no flow in the river at Tract 34 and the wetland on the south side is approximately 100 meters wide.

All 34 tracts within Beckham County would be available for lease. ORA-1 and ORA-2 would apply to tracts 4 through 34. In addition, all tracts within Beckham County would have season of use restrictions (ORA-3) from February 15 through May 15, to protect lesser prairie chickens from being disturbed while on their leks (booming grounds). The remainder would be available under STC.

BLAINE COUNTY

TRACT 1.	13N,11W,	Sec. 36.	20 Acres
TRACT 2.		Sec. 34.	40 Acres
TRACT 3.		Sec. 32.	5 Acres
TRACT 4.		Sec 31.	30 Acres
TRACT 5.		Sec 31.	45 Acres
TRACT 6.	12W,	Sec. 35.	150 Acres
TRACT 7.		Sec. 34.	240 Acres
TRACT 8.		Sec. 32.	15 Acres
TRACT 9.		Sec. 30.	160 Acres

Tracts 1-9 occur in the South Canadian River bottom from 3 miles East of the town of Hydro to due south of the town of Geary. All tracts are in the floodplain, and all support wetlands. These tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom. Several groups of turkey and quail as well as shorebirds were observed utilizing these tracts.

TRACT 10. 13N,12W, Sec. 12. 80 Acres

This tract is situated 6 miles west of the town of Geary on Larait Creek. The tract is gently sloping to the east vegetated with scattered junipers/oaks etc.. A small (20 meter) riparian zone of cottonwood/willows occurs along the sides of the creek.

TRACT 11.	13N,13W,	Sec. 12.	120 Acres
TRACT 12.		Sec. 11.	120 Acres
TRACT 13.	14N,13W,	Sec. 34.	120 Acres
TRACT 14.		Sec. 21.	80 Acres
TRACT 15.		Sec. 17.	160 Acres
TRACT 16.		Sec. 5.	80 Acres
		Sec. 8.	80 Acres
TRACT 17,	15N,13W,	Sec. 31.	40 Acres

Tracts 11 through 17 occur in the South Canadian River bottom from approximately 2 miles East of American Horse Lake to due south of the intersection of U.S. Highways 270,281 with State Highways 3,33 and 58. All tracts are in the floodplain, and all support wetlands. These tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom. Several groups of turkey and quail as well as shorebirds were observed utilizing these tracts.

TRACT 18.	17N,13W,	Sec. 24.	80 Acres
TRACT 19.		Sec. 1.	20 Acres
TRACT 20.	18N,13W,	Sec. 26.	40 ACRES

Tracts 18,19 and 20 occur along and in the North Canadian River bottom from 2 miles east of Eagle City to 4 miles south of the town of Canton below Canton Reservoir. The North Canadian River is a rather narrow stream and supports a narrow and limited riparian zone in this area. A streamside growth of cottonwoods, willows and other riparian associated species is less than 100 meters wide and is bordered by active cultivation.

TRACT 21.	18N,12W,	Sec. 27.	40 Acres
TRACT 22.		Sec. 25,	40 Acres
TRACT 23.		SWNW.	40 Acres
TRACT 24.	11W,	Sec. 31.	40 Acres
TRACT 25.		Sec. 19.	80 Acres

These tracts are located 3 miles south of the town of Southard off of State Highway 51A. These upland

grassland tracts are severely eroded and appear as "bad lands" type topography although they were gently rolling hills at one time. Currently these tracts are overgrazed pasture, with gramma grasses on the uplands and salt grass in the arroyos, tract 25 is on Salt Creek, a perennial stream.

TRACT 26. 17N,11W, Sec. 22. 40 Acres

This tract located 3 miles south of the town of Hitchcock consists of an isolated butt and associated badlands type topography covered in native grasses with scattered junipers and other shrubs.

TRACT 27. 20N,10W, Sec. 35,
19N,10W, Sec. 1,2. 220 Acres

This Cimarron River tract is located 5 miles northeast of the town of Okene. The tract consists of river bottom riparian vegetation. Cottonwoods, willows and scattered junipers as well as salt grass flats and wetlands.

TRACT 28. 18N,12W, Sec. 2. 40 Acres

This tract is located 1 mile east of the town of Southhard. The tract consists of a large native grass covered butt with several erosion gullies down the sides. the gullies contain scattered junipers and sage.

All 28 tracts within Blaine County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1-9,11-17,18-20 and 27. ORA-2 would apply to tracts 2,10 and 25. In addition to the stipulations and tracts listed above, LN-1 would apply to tracts 2-9, 12-17, 18-20 and 27. Several listed and candidate species are known to occur along the three major river systems which course through Blaine County. Least terns, piping plovers and snowy plovers are known to occur along these river systems (refer to Table 3-2 for species information). The remainder would be available under STC.

BRYAN COUNTY

TRACT 1. 8S,8E, Sec. 36 80 Acres

This tract situated two miles south of the town of Calera is bisected by Moore Creek, a tributary of Island Bayou. The tract contains a riparian zone of deciduous hardwoods with a native grass under-story.

TRACT 2. 5S,11E, Sec. 19 160 Acres

Located two miles west of seven mile corner on State Highway 22, this tract has an open savanna appearance dominated by bluestem grassland. Short trees are scattered along both sides of a small drainage/stream (Rocky Branch) tributary of Caddo Creek.

Both tracts within Bryan County would be available for lease. ORA-1 and ORA-2 would apply to tract 1. LN-1 would apply to all tracts in this county due to the documented occurrence of the American Burying Beetle in Bryan County (refer to Table 3-2 for species information).

CADDO COUNTY

TRACT 1. 5N,12W, Sec. 32 160 Acres

This rolling hill grassland tract is located 7 miles west and 3 miles south of the town of Apache.

TRACT 2. 7N,12W, Sec. 9 80 Acres.

This cultivated tract with houses on the south adjacent to State Highway 9 is 2 miles west of the town of Fort Cobb.

TRACT 3. 7N,11W, Sec. 15 40 Acres

This tract is located in the Washita River 4 miles east of the town of Fort Cobb. The tract is a wetland and provides riparian habitat.

TRACT 4 8N,10W, Sec. 18 1 acre

This residential subdivision tract is located in rolling hill grass type.

TRACT 5. 7N,10W, Sec. 15 40 Acre

This tract is located within the city limits of Anadarko on the Washita River.

TRACT 6. 12N,11W, Sec. 2 120 Acres

This Canadian River tract is located 1 and 1/2 miles northeast of the intersection of U.S. Highway 281 and Interstate 40. This tract is in the floodplain and supports wetland vegatation of cottonwood and willow with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom.

Tracts 1-4 and 6 would be available for lease. Tract 5 would not be available for lease because it falls within the city limits of Anadarko, OK. ORA-1 and ORA-2 would apply to tracts 3 and 6.

CANADIAN COUNTY

TRACT 1.	12N,10W,	Sec.7	80 Acres
TRACT 2.		Sec. 8	40 Acres
TRACT 3.		Sec. 15	40 Acres
TRACT 4.		Sec. 22	30 Acres
TRACT 5.		Sec. 21	40 Acres
TRACT 6.		Sec. 27	150 Acres
TRACT 9.	11N,9W,	Sec. 4,9	120 Acres
TRACT 11.		Sec. 14	70 Acres
TRACT 12.		Sec. 24	120 Acres
	11N,8W,	Sec. 19	280 Acres
TRACT 13.		Sec. 28	200 Acres

Tracts 1-6, 9,and 11-13 occur in the South Canadian River bottom from approximately one mile East of the Caddo County line south east to the Union City limits. All tracts are in the floodplain, and all support wetlands with cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom.

TRACT 7. 11N,10W, Sec. 18 50 Acres

These four small parcels are located at the intersection of Methodist Road and State Highway 37. Two of the parcels are occupied by houses and the other two are less than five acres in size and consist of oak/juniper woodlands.

TRACT 8. 11N,10W, Sec. 21 160 Acres

This tract is located 2 miles east of the intersection of Methodist Road and State Highway 37. The tract consists of a rolling hill grassland.

TRACT 10. 11N,9W, Sec. 27 160 Acres

This tract is located 9 miles east of the intersection of Methodist Road and State Highway 37. The tract consists of a rolling hill grassland/hay meadow with scattered oak thickets.

NOTE: The remaining 570 acres in 12 parcels within Canadian County are all located within the limits of the cities of El Reno, Union City, Mustang, Oklahoma City, or Yukon.

All tracts not within city limits in Canadian County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1-6, 9,and 11-13. LN-1 would apply to tracts 1-6, 9,and 11-13 due to the known presence of the bald eagle and the interior least tern along the North and South Canadian River systems.

CARTER COUNTY

TRACT 1. 2S,2W, Sec. 2,3,10,11 960 Acres

This tract is located adjacent to the town of Poolevile. The tract contains a segment of Tar Creek and associated riparian vegetation.

TRACT 2. 3S,1W, Sec. 11,12,13 1,000 Acres

This tract is located 1 mile southeast of the town of Wooford. The tract contains a segment of the floodplain of the Salt Branch of Caddo Creek. Caddo Creek provides riparian habitat as well as municipal water.

TRACT 3. 5S,1W, Sec. 13 30 Acres

This tract is located 1 mile northwest of the town of Brock. The tract consists of a rolling hill upland bisected by an intermittent tributary of Bull Creek.

TRACT 4. 5S,1E, Sec. 14 50 Acres

This urbanized tract is located 1 mile west of U.S. Interstate 35 approximately 1 mile south of the Ardmore city limits. The tract is bisected by Hickeroy Creek which supports riparian vegetation.

TRACT 5. 5S,2E, Sec. 8,9,15,16,17,21,22,26,27 1,500 Acres

This large tract of Federal mineral estate is located entirely under Lake Murry State Park and Lake. The northern edge is in the city limits of Ardmore.

All tracts not within city limits in Carter County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1-4. NM-9 (NSO) would apply to tract 5.

CHEROKEE COUNTY

TRACT 1.18N,21E, Sec. 8 40 Acres

Located on a tributary of Clear Creek, 2 miles southeast of the community of Peggs, this tract has a House, outbuildings, fences and two ponds. The tract is mostly grassland with a small riparian zone with scattered willows along the creek.

TRACT 2.16N,21E, Sec. 16&17 140 Acres

This tract is located 4 miles south of the community of Thompsons Corner. The tract is spilt by a county road with an overgrazed grassland on the east and Oak/Hickory forest on the west. A small stream

(tributary to Gulgur Spring Branch) bisects the tract and provides limited riparian/wetlands. A house is situated on the west portion.

TRACTS 3&4.16N.21E, Sec. 20 5&10 acres

Both tracts are within the Northeast Quarter of this section and front the county road. These tracts are located 1/2 mile south of tract 3, above. The ten acre tract in the very northeast consists of a oak/hickory woodland with grass understory, a house is situated on the southern part of this tract. Tract 4 is a oak/hickory woodland with a perennial tributary of Gulager Spring Branch stream coursing through it. A riparian zone of thick trees, willows and shrubs extends approximately 50 meters along both sides of stream.

All tracts within Cherokee County would be available for lease. ORA-1 and ORA-2 would apply to all tracts. LN-1 would apply to all tracts in this county due to the documented occurrence of the American Burying Beetle in Cherokee County (refer to Table 3-2 for species information).

CHOCTAW COUNTY

TRACT 1. 7S,14E, Sec. 14 120 Acres

This upland tract is located 7 miles east of the community of Bluff north of State Highway 109. This formerly farmed tract contains hardwood forested areas as well as grasslands.

TRACT 2. 5S,18E, Sec. 13 40 Acres

This tract is located 1 mile south of the community of Spencerville north of Hugo Reservoir. The tract is heavily wooded with large pine trees with a deciduous shrubby under story. A small (1/4 acre) pond is located on the north east corner while a native grass meadow (app. 5 acres) is situated in the south east corner.

Both tracts within Choctaw County would be available for lease under STC.

CIMARRON COUNTY

TRACT 1. 4N,5E, Sec. 2 40 Acres

This tract is located 7 and 1/4 miles north and 1 mile east of Boise City. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 2. 5N,4E, Sec. 3 40 Acres

This tract is located 13 and 1/2 miles north and 5 and 1/4 miles west of Boise City. The approximate east 1/2 consists of rocky broken upland hills with the west 1/2 being moderately rolling upland with native grass pasture.

TRACT 3. 6N,3E, Sec. 33 80 Acres

This tract is located 2 and 1/2 miles north and 12 miles east of Kenton. The tract consists of rocky broken upland hills with native grass pasture.

TRACT 4. 6N,2E, Sec. 26 40 Acres

This tract is located 3 and 1/4 miles north and 8 and 1/4 miles east of Kenton. The tract consists of slightly rolling upland hills with native grass pasture. The surface of this tract is owned and managed by ODWC

TRACT 5. 6N,2E, Sec. 21 160 Acres

This tract is located 4 and 1/2 miles north and 6 miles east of Kenton. The tract consists of gently sloping upland native grass pasture on the eastern most portion with rocky terrain becoming rocky mesa uplands on the west. The tract is bisected by Lane Canyon and an unnamed intermittent drainage.

TRACT 6. 6N,2E, Sec. 20 200 Acres

This tract is located 4 and 1/2 miles north and 5 and 1/4 miles east of Kenton. The tract consists of rocky upland hills and mesas with native grass pasture bisected by Lane Canyon and an unnamed intermittent drainage.

TRACT 7. 6N,2E, Sec. 28 120 Acres

This tract is located 3 and 1/4 miles north and 5 and 3/4 miles east of Kenton. The tract consists of rocky upland hills and mesas with native grass pasture bisected by an unnamed intermittent drainage.

TRACT 8. 6N,2E, Sec. 28 40 Acres

This tract is located 3 and 1/2 miles north and 6 and 1/4 miles east of Kenton. The tract consists of rocky upland hills and mesas with native grass pasture bisected by an unnamed intermittent drainage.

TRACT 9. 5N,2E, Sec. 3 79.52 Acres

This tract located 1 and 1/2 miles north and 7 miles east of Kenton, consists of rocky mesa uplands.

TRACT 10. 5N,2E, Sec. 11 80 Acres

This tract is located 1 mile north and 7 miles east of Kenton. The tract consists of slightly sloping upland native grass pasture.

TRACT 11. 5N,2E, Sec. 9 120 Acres

This ODWC owned tract is located 3/4 miles north and 6 and 1/4 miles east of Kenton. The tract consists of rocky mesa uplands with native grass pasture and a riparian zone of large cottonwood trees and other riparian vegetation in the extreme southern portion along the Cimarron River.

TRACT 12. 5N,3E, Sec. 7 40 Acres

This ODWC owned tract is located 1/2 mile north and 10 miles east of Kenton. The tract consists of rocky mesa uplands with native grass pasture bisected by an intermittent drainage.

TRACT 13. 5N,3E, Sec. 4 160 Acres

This tract is located 1 and 1/4 miles north and 11 and 3/4 miles east of Kenton. The tract consists of rocky mesa uplands with native grass pasture becoming bottom land native pasture, river flood plain, riparian vegetation with large cottonwood trees and the river bed of the Cimarron River.

TRACT 14. 5N,3E, Sec. 9 240 Acres

This tract is located 1/2 mile north and 11 and 3/4 miles east of Kenton. The tract consists of rocky mesa uplands with native grass pasture bisected by an intermittent drainage.

TRACT 15. 5N,3E, Sec. 17 40 Acres

This tract located 11 and 1/4 miles east of Kenton, consists of rocky mesa uplands with native grass pasture bisected by an intermittent drainage.

TRACT 16. 5N,2E, Sec. 8 80 Acres

This tract is located 1/4 mile north and 5 miles east of Kenton. The tract consists of rocky mesa uplands with native grass pasture on the southeast becoming bottom land native pasture, river flood plain, riparian vegetation with large cottonwood trees and the river bed of the Cimarron River on the northwest.

TRACT 16A. 5N,3E, Sec. 6 39.10 Acres

This tract located 1 and 1/4 mile north and 9 and 3/4 miles east of Kenton, consists of rocky mesa uplands with native grass pasture.

TRACT 17. 6N,1E, Sec. 35 40 Acres

This tract located 2 and 1/4 miles north and 2 and 1/4 miles east of Kenton, consists of rocky mesa uplands with native grass pasture bisected by an intermittent drainage.

TRACT 18. 5N,1E, Sec. 2 40.47 Acres

This tract located 1 and 3/4 miles north and 2 and 1/2 miles east of Kenton, consists of rocky mesa uplands with native grass pasture bisected by intermittent drainages.

TRACT 19. 5N,1E, Sec. 1 40 Acres

This tract is located 1 and 1/4 miles north and 3 and 1/2 miles east of Kenton. The tract consists of rocky mesa uplands with native grass pasture on the south becoming bottom land native pasture, river flood plain, riparian vegetation with large cottonwood trees and the river bed of the Cimarron River on the north.

TRACT 20. 5N,1E, Sec. 18 80 Acres

This tract is located 1 and 1/2 miles west of Kenton. The tract consists of rocky upland hills and mesas with native grass pasture and scattered cedar trees bisected by an intermittent drainage.

TRACT 21. 5N,1E, Sec. 17 40 Acres

This tract is located 1/4 mile south and 3/4 miles west of Kenton. The tract consists of rocky upland hills and mesas with native grass pasture and scattered cedar trees.

TRACT 22. 6N,1E, Sec. 7 3.19 Acres

This tract located 6 and 1/2 miles north and 1 and 1/4 miles west of Kenton, consists of slightly rolling upland native grass pasture, scattered cedar trees, and cacti.

TRACT 23. 6N,1E, Sec. 8 3.6 Acres

This tract is located 6 and 1/2 miles north and 3/4 miles west of Kenton. The tract consists of slightly rolling upland hills with native grass pasture, scattered cedar trees, and cacti.

TRACT 24. 6N,1E, Sec. 9 14 Acres

This tract located 6 and 1/2 miles north of Kenton, consists of rocky upland hills and mesas with native grass pasture, scattered cedar trees, and cacti.

TRACT 25. 6N,1E, Sec. 10 19.04 Acres

This tract located 6 and 1/2 miles north and 3/4 miles east of Kenton, consists of rocky upland hills and mesas with native grass, scattered cedar trees, and cacti.

TRACT 26. 6N,1E, Sec. 11 185.04 Acres

This tract is located 6 and 1/4 miles north and 1 and 3/4 miles east of Kenton. The tract consists of rocky upland hills and mesas with native grass pasture, scattered cedar trees, and cacti bisected by intermittent drainages.

TRACT 27. 6N,1E, Sec. 12 14.76 Acres

Located 6 and 1/2 miles north and 2 and 3/4 miles east of Kenton, this tract consists of rocky upland hills and mesas with native grass pasture, scattered cedar trees, and cacti bisected by an intermittent drainage.

TRACT 28. 6N,1E, Sec. 15 320 Acres

This tract is located 5 and 1/2 miles north and 3/4 miles east of Kenton. The tract consists of rocky upland hills and mesas with native grass pasture, scattered cedar trees, and cacti bisected by intermittent drainages.

TRACT 29. 6N,1E, Sec. 17 40 Acres

This tract is located 5 and 1/4 miles north and 1/2 mile west of Kenton. The tract consists of slightly rolling upland hills bisected by North Carrizo Creek. Upland areas are cultivated fields becoming a riparian zone with riparian vegetation and large cottonwood trees along the creek.

TRACT 30. 6N,1E, Sec. 20 80 Acres

This tract is located 4 and 1/4 miles north and 1 mile west of Kenton. The tract consists of rocky upland hills and mesas with native grass pasture, scattered cedar trees, and cacti.

TRACT 31. 6N,1E, Sec. 19 80 Acres

This tract is located 4 and 1/4 miles north and 1 and 1/4 miles west of Kentona. The tract consists of rocky upland hills and mesas with native grass pasture, scattered cedar trees, and cacti.

TRACT 32. 6N,1E, Sec. 21 200 Acres

This tract located 4 and 1/4 miles north of Kenton, consists of rocky upland hills and mesas with native grass pasture, scattered cedar trees, and cacti bisected by an intermittent drainage.

TRACT 33. 6N,1E, Sec. 22 320 Acres

This tract is located 4 and 1/4 miles north and 3/4 miles east of Kenton. The tract consists of rocky upland hills and mesas with native grass pasture, scattered cedar trees, and cacti bisected by an intermittent drainage.

TRACT 34. 6N,1E, Sec. 27 160 Acres

This tract is located 3 and 3/4 miles north and 3/4 miles east of Kenton. The tract consists of rocky upland hills and mesas with native grass pasture and scattered cedar trees with an intermittent drainage on the eastern boundary and North Carizo Creek on the west.

TRACT 35. 6N,1E, Sec. 28 40 Acres

This tract located 4 miles north of Kenton, consists of mostly flat upland native grass pasture bisected by North Carrizo Creek. The creek supports a well defined riparian zone with riparian vegetation and large trees.

TRACT 36. 6N,1E, Sec. 29 40 Acres

Located 4 miles north and 1 mile west of Kenton, this tract consists of rolling upland hills with native grass pasture, scattered cedar trees, and cacti bisected by an intermittent drainage.

TRACT 37. 6N,1E, Sec. 29 80 Acres

This tract is located adjacent to Black Mesa 3 and 1/4 miles north and 1/4 mile west of Kenton. The tract consists of rolling upland hills with native grass pasture, scattered cedar trees, and cacti.

TRACT 38. 6N,1E, Sec. 28 160 Acres

This tract is located 3 and 1/4 miles north of Kenton. The predominant feature of this tract is Black Mesa which covers the majority of the tract. Remaining areas at the base of Black Mesa consist of rocky rolling upland hills with native grass pasture and scattered cedar trees. This is the trail head for the Oklahoma Tourism and Recreation Department and The Nature Conservancy joint venture hiking trail and entrance to Black Mesa Nature Preserve.

TRACT 39. 6N,1E, Sec. 33 520 Acres

This ODWC owned tract located 2 and 1/4 miles north of Kenton, consists of rocky rolling upland hills with native grass pasture and scattered cedar trees in the southeast portion and Black Mesa covering the northwest portion.

TRACT 40. 6N,1E, Sec. 32 480 Acres

This ODWC owned tract is located 2 and 1/4 miles north and 1/4 mile west of Kenton. The predominant feature of this tract is Black Mesa which covers the majority of the tract. Remaining areas at the base of Black Mesa consist of rocky rolling upland hills with native grass pasture and scattered cedar trees.

TRACT 41. 6N,1E, Sec. 31 160 Acres

This tract is located 2 and 1/4 miles north and 1 and 1/4 miles west of Kenton. The predominant feature of this tract is Black Mesa which covers the majority of the tract. Remaining areas at the base of Black Mesa consist of rocky rolling upland hills with native grass and scattered cedar trees.

TRACT 42. 6N,1E, Sec. 31 160.41

This tract is located 2 and 3/4 miles north and 1 and 3/4 miles west of Kenton. The tract consists of rocky upland hills and mesas with native grass, scattered cedar trees and cacti bisected by intermittent drainages.

TRACT 43. 5N,1E, Sec. 6 320.64 Acres

This tract is located 1 and 1/2 miles north and 1 and 1/4 miles west of Kenton and abuts Black Mesa State Park. The predominant feature of this tract is Black Mesa which covers the majority of the tract. Remaining areas at the base of Black Mesa consist of rocky rolling upland hills with native grass, scattered cedar trees and cacti.

TRACT 44. 5N,1E, Sec. 5 160.32 Acres

This tract located 1 and 1/4 miles north and 1 mile west of Kenton, consists of rocky rolling upland hills and mesas with native grass, scattered cedar trees and cacti.

TRACT 45. 5N,1E, Sec. 9 40 Acres

Located approximately 1 mile north and 1 mile east of Kenton, this tract consists of rocky rolling upland hills and mesas with native grass, scattered cedar trees and cacti bisected by an intermittent drainage.

TRACT 46. 5N,1E, Sec. 29 80 Acres

This tract located 2 and 1/4 miles south and 1/4 mile west of Kenton, consists of rocky rolling upland hills and mesas with native grass, scattered cedar trees and cacti bisected by an intermittent drainage.

TRACT 47. 5N,1E, Sec. 28 160 Acres

This tract located 2 miles south of Kenton, consists of rocky rolling upland hills and mesas with native grass, scattered cedar trees and cacti bisected by an intermittent drainage.

TRACT 48. 4N,1E, Sec. 6 80 Acres

This tract located 4 and 1/4 miles south and 1 and 1/4 miles west of Kenton, consists of rocky rolling hills and mesas with native grass, scattered cedar trees and cacti.

TRACT 49. 4N,1E, Sec. 5 160 Acres

This tract located 4 and 1/4 miles south and 1/2 mile west of Kenton, consists of rocky rolling upland hills and mesas with native grass, scattered cedar trees and cacti bisected by an intermittent drainage.

TRACT 50. 4N,1E, Sec. 2 156.38 Acres

This tract is located 3 and 3/4 miles south and 1 and 3/4 miles east of Kenton. The tract consists of rocky rolling upland hills and mesas with native grass, scattered cedar trees and cacti bisected by intermittent drainages.

TRACT 51. 4N,1E, Sec. 2 80 Acres

This tract located 4 and 1/4 miles south and 2 and 1/2 miles east of Kenton, consists of rocky rolling hills and mesas with native grass, scattered cedar trees and cacti.

TRACT 52. 4N,1E, Sec. 8 80 Acres

This located 4 and 3/4 miles south and 1/2 mile west of Kenton, consists of rocky rolling upland and mesas with grass and cedar trees bisected by intermittent drainages.

TRACT 53. 4N,1E, Sec. 8 40 Acres

This tract located 5 and 1/2 miles south and 1/4 mile west of Kenton, consists of rocky rolling upland and mesas with native grass and scattered cedar trees bisected by Tesesquite Creek. The creek supports a riparian zone of large trees and riparian vegetation.

TRACT 54. 4N,1E, Sec. 9 80 Acres

This tract located 5 and 1/4 miles south of Kenton, consists of rocky rolling upland and mesas with native grass and scattered cedar trees bisected by Tesesquite Creek. The creek supports a riparian zone of large trees and riparian vegetation.

TRACT 55. 4N,1E, Sec. 18 320 Acres

This tract located 6 and 1/4 miles south and 1 and 1/4 miles west of Kenton, consists of rocky rolling hills and mesas with native grass and scattered cedar trees bisected by intermittent drainages.

TRACT 56. 4N,1E, Sec. 17 40 Acres

This tract located 5 and 3/4 miles south and 1/4 mile west of Kenton, consists of rocky rolling upland and mesas with native grass and scattered cedar trees bisected by intermittent drainages.

TRACT 57. 4N,1E, Sec. 17 320 Acres

This tract is located 6 and 1/4 miles south and 1/4 mile west of Kenton. The tract consists of rocky rolling upland hills and mesas with native grass pasture and scattered cedar trees bisected by intermittent drainages.

TRACT 58. 4N,1E, Sec. 19 320 Acres

This tract located 6 and 3/4 miles south and 1 and 1/4 miles west of Kenton, consists of rocky rolling upland and mesas with native grass and scattered cedar trees.

TRACT 59. 5N,2E, Sec. 30 40 Acres

This tract located 2 and 1/2 miles south and 4 and 1/4 miles east of Kenton, consists of rocky rolling upland and mesas with native grass, scattered cedar trees and cacti bisected by an intermittent drainage.

TRACT 60. 4N,1E, Sec. 1 80 Acres

This tract located 4 miles south and 2 and 3/4 miles east of Kenton, consists of gently rolling upland with native grass bisected by Willow Creek. The creek supports a narrow band of riparian vegetation.

TRACT 61. 4N,2E, Sec. 5 40 Acres

Located 4 miles south and 4 and 3/4 miles east of Kenton, adjacent to Black Mesa State Park, this tract consists of rocky rolling upland and mesas.

TRACT 62. 4N,2E, Sec. 5 35.92 Acres

This tract located 3 and 3/4 miles south and 5 and 1/4 miles east of Kenton adjacent to Black Mesa State Park consists of rocky rolling upland hills and mesas with native grass pasture bisected by Swedge Creek.

TRACT 63. 5N,2E, Sec. 33 40 Acres

This tract located 3 miles south and 6 miles east of Kenton, consists of rocky rolling upland with native grass bisected by an intermittent drainage.

TRACT 64. 5N,2E, Sec. 34 40 Acres

This tract located 3 and 1/4 miles south and 7 and 1/2 miles east of Kenton, consists of rocky rolling upland with native grass bisected by Cottonwood Canyon.

TRACT 65. 4N,2E, Sec. 3 76.43 Acres

This tract located 3 and 3/4 miles south and 7 and 1/2 miles east of Kenton, consists of rocky rolling upland with native grass adjacent to Cottonwood Canyon.

TRACT 66. 4N,2E, Sec. 18 40 Acres

This tract located 4 and 1/4 miles south and 5 and 3/4 miles east of Kenton, consists of gently sloping upland native grass pasture bisected by an intermittent drainage.

TRACT 67. 4N,1E, Sec. 13 80 Acres

This tract located 5 and 3/4 miles south and 2 and 3/4 miles east of Kenton, consists of rolling upland hills with native grass pasture bisected by intermittent drainages.

TRACT 68. 4N,1E, Sec. 23 40 Acres

This tract located 7 miles south and 2 and 1/2 miles east of Kenton, consists of rolling upland hills with native grass pasture and scattered cedar trees.

TRACT 69. 4N,1E, Sec. 23 80 Acres

This tract located 7 and 1/2 miles south and 2 miles east of Kenton, consists of rolling upland with native grass and cedar trees bisected by an intermittent drainage.

TRACT 70. 4N,1E, Sec. 27 40 Acres

Located 7 and 3/4 miles south and 1 and 1/2 miles east of Kenton, this tract consists of rolling upland with native grass, cedar trees bisected by an intermittent drainage.

TRACT 71. 4N,1E, Sec. 26 40 Acres

This tract located 8 and 1/2 miles south and 1 and 3/4 miles east of Kenton, consists of rolling hills with native grass and scattered cedar trees bisected by Carrizo Creek.

TRACT 72. 4N,1E, Sec. 24 280 Acres

This tract is located 6 and 3/4 miles south and 2 and 3/4 miles east of Kenton. The tract consists of rolling hills with native grass pasture and scattered cedar trees bisected by an intermittent drainage and Carrizo Creek.

TRACT 73. 3N,2E, Sec. 7 320 Acres

This tract is located adjacent to the Santa Fe Trail 1/4 mile north and 20 and 1/4 miles west of Boise City. The tract consists of gently sloping upland native grass.

TRACT 74. 2N,6E, Sec. 18 145.84 Acres

This tract is located 6 miles south and 2 and 3/4 miles east of Boise City. The tract consists of moderately rolling hills in the northwest portion of the tract becoming bottom land native pasture, river flood plain, riparian vegetation and the river bed of the Beaver River in the southeast.

TRACT 75. 2N,6E, Sec. 17 160 Acres

This tract located 6 miles south and 3 and 1/4 miles east of Boise City, consists of moderately rolling hills in the northern portion of the tract becoming bottom land native pasture, river flood plain, riparian vegetation and the river bed of the Beaver River in the southern.

TRACT 76. 4N,4E, Sec. 18 80 Acres

This tract located 5 and 1/2 miles north and 8 and 1/4 miles west of Boise City, consists of moderately rolling hills with native grass bisected by Cold Springs Creek.

TRACT 77. 4N,4E, Sec. 19 40 Acres

This tract located 5 miles north and 8 and 1/2 miles west of Boise City, consists of moderately rolling hills with native grass bisected by Cold Springs Creek.

TRACT 78. 3N,3E, Sec. 28 40 Acres

This tract located 2 miles south and 12 and 3/4 miles west of Boise City, consists of sandy, gently rolling, hills with native grass.

TRACT 79. 3N,2E, Sec. 3 320 Acres

This tract is located 2 and 3/4 miles south and 18 and 1/4 miles west of Boise City. The tract consists of sandy, gently rolling, upland cultivated fields (milo).

TRACT 80. 3N,2E, Sec. 19 150.05 Acres

This tract located 1 mile south and 20 miles west of Boise City, consists of a flat upland cultivated field.

TRACT 81. 3N,1E, Sec. 23 160 Acres

This flat cultivated field is located 1 and 1/4 miles south and 22 and 3/4 miles west of Boise City.

TRACT 82. 3N,1E, Sec. 6 40.88 Acres

This tract located 9 and 3/4 miles south and 1 and 1/4 miles west of Kenton, consists of grass covered gently rolling hills.

TRACT 83. 3N,1E, Sec. 4 80 Acres

This tract is located 10 miles south and 1/4 miles east of Kenton. The tract consists of gently rolling hills with native grass pasture bisected by an intermittent drainage.

TRACT 84. 3N,1E, Sec. 10 40 Acres

This tract is located near the Santa Fe Trail 11 and 1/4 miles south and 1 and 1/2 miles east of Kenton. The tract consists of gently rolling upland hills with native grass pasture bisected by an intermittent drainage.

TRACT 85. 3N,1E, Sec. 30 160 Acres

This tract is located 14 and 1/4 miles south and 1 and 1/4 miles west of Kenton. The tract consists of sandy, gently sloping, upland cultivated fields (milo).

TRACT 86. 3N,1E, Sec. 31 160 Acres

This tract located 14 and 3/4 miles south and 1 and 1/4 miles west of Kenton, consists of cultivated, sandy, gently sloping, uplands.

TRACT 87. 2N,1E, Sec. 21 40 Acres

This tract located 4 miles north and 8 and 3/4 miles west of Felt, consists of gently rolling upland hills with native grass pasture.

TRACT 88. 2N,1E, Sec. 23 40 Acres

This tract is located 4 and 1/4 miles north and 6 and 1/2 miles west of Felt. The tract consists of gently rolling upland hills with native grass pasture.

TRACT 89. 2N,1E, Sec. 33 80 Acres

This tract located 2 miles north and 9 miles west of Felt, consists of gently rolling hills covered with native grass.

TRACT 90. 1N,1E, Sec. 11 40 Acres

This tract is located 1/4 mile north and 6 and 1/2 miles west of Felt. The tract consists of gently rolling upland hills with native grass pasture bisected by Cienequilla Creek. The creek supports a riparian zone of grasses and other riparian vegetation.

TRACT 91. 1N,2E, Sec. 6 120 Acres

This tract located 1 mile north and 4 and 1/2 miles west of Felt, consists of sandy, gently rolling hills covered with native grass bisected by Cienequilla Creek. The creek supports a riparian zone of grasses and other riparian vegetation.

TRACT 92. 2N,2E, Sec. 32 160 Acres

This tract located 2 miles north and 3 and 1/2 miles west of Felt, is bisected by Cienequilla Creek and the North Canadian River and consists largely of bottom land native pasture, river flood plain, riparian vegetation and the river bed of the North Canadian River. The upland areas consist of sandy, gently rolling hills with native grass pasture.

TRACT 93. 2N,2E, Sec. 33 240 Acres

This tract located 1 and 1/2 miles north and 2 and 1/2 miles west of Felt, consists of sandy, gently rolling hills with native grass pasture in the southern portions of the tract becoming a wide area of bottom land native pasture, river flood plain, riparian vegetation with large cottonwood trees and the river bed of the North Canadian River on the north.

TRACT 94. 2N,2E, Sec. 34 160 Acres

This tract located 1 and 3/4 miles north and 1 and 1/2 miles west of Felt, consists of sandy, gently rolling, hills with native grass bisected by the North Canadian River. The river supports a wide area of bottom land river flood plain, riparian vegetation with large cottonwood trees and the river bed of the North Canadian River.

TRACT 95. 2N,2E, Sec. 35 240 Acres

This tract is located 1 and 1/2 miles north and 1/2 mile west of Felt. The tract consists of sandy, gently rolling, hills with native grass bisected by the North Canadian River. The river flood plain supports a wide area of riparian vegetation with large cottonwood trees.

TRACT 96. 2N,3E, Sec. 32 80 Acres

This tract is located 2 miles north and 1 and 3/4 miles east of Felt. The tract consists of sandy, gently rolling, upland hills with native grass pasture in the northern portions of the tract becoming a wide area of bottom land native pasture, river flood plain, riparian vegetation with a few large cottonwood trees and the river bed of the North Canadian River on the south.

TRACT 97. 1N,2E, Sec. 23 80 Acres

This tract is located 1 and 1/2 miles south and 1 mile west of Felt. The tract consists of a flat, cultivated and irrigated, upland field (milo).

TRACT 98. 1N,2E, Sec. 22 160 Acres

This tract is located 1 and 1/2 miles south 1 and 1/2 miles west of Felt. The tract consists of a flat, cultivated, field. An occupied residence is located in the approximate center on the east side of the tract.

TRACT 99. 1S,1E, Sec. 6 45.10 Acres

This tract is located 4 and 1/2 miles south and 10 and 1/2 miles west of Felt. The tract consists of gently rolling upland hills with native grass pasture.

TRACT 100. 1S,1E, Sec. 5 45.45 Acres

This tract located 4 and 1/2 miles south and 9 and 1/2 miles west of Felt, consists of gently rolling upland hills with native grass pasture. The east 1/2 underlies a portion of the Rita Blanca National Grassland.

TRACT 101. 1S,1E, Sec. 4 22.94 Acres

This tract is located 4 and 1/2 miles south and 9 miles west of Felt. The tract consists of mostly flat upland cultivated fields.

TRACT 102. 1S,1E, Sec. 3 46.81 Acres

This tract is located 4 and 1/2 miles south and 7 and 1/2 miles west of Felt. The tract consists of flat, cultivated and irrigated, upland fields (corn).

TRACT 103. 1S,1E, Sec. 2 47.46 Acres

This tract is located 4 and 1/2 miles south and 6 and 1/2 miles west of Felt. The tract consists of mostly flat upland native grass pasture.

TRACT 104. 1S,2E, Sec. 6 49.10 Acres

This tract is located 4 and 1/2 miles south and 4 and 1/2 miles west of Felt. The tract consists of flat upland native grass pasture and underlies a portion of the Rita Blanca National Grassland.

TRACT 105. 1S,2E, Sec. 5 49.87 Acres

This tract is located 4 and 1/2 miles south and 3 and 1/2 miles west of Felt. The tract consists of flat upland native grass pasture.

TRACT 106. 1S,2E, Sec. 4 50.70 Acres

This tract is located 4 and 1/2 miles south and 2 and 1/2 miles west of Felt. The tract consists of flat upland native grass pasture. The east 1/2 underlies a portion of the Rita Blanca National Grassland.

TRACT 107. 1S,2E, Sec. 3 51.39 Acres

This tract located 4 and 1/2 miles south and 1 and 1/2 miles west of Felt, consists of gently rolling upland hills with native grass pasture.

TRACT 108. 1S,2E, Sec. 2 51.10 Acres

This tract is located 4 and 1/2 miles south and 1/2 mile west of Felt. The tract consists of gently rolling upland hills with native grass pasture.

TRACT 109. 1S,2E, Sec. 1 51.67 Acres

This tract located 4 and 1/2 miles south of Felt, consists of gently rolling upland hills with native grass pasture.

TRACT 110. 1S,3E, Sec. 6 51.79 Acres

This tract is located 4 and 1/2 miles south and 1/2 mile east of Felt. The tract consists of gently rolling upland hills with native grass pasture.

TRACT 111. 1N,3E, Sec. 32 80 Acres

This tract is located 3 and 1/2 miles south and 1 and 3/4 miles east of Felt. The tract consists of gently rolling upland hills with native grass pasture.

TRACT 112. 1S,3E, Sec. 5 51.96 Acres

This tract located 4 and 1/2 miles south and 1 and1/2 miles east of Felt, consists of gently rolling upland hills with native grass pasture.

TRACT 113. 1S,3E, Sec. 4 52.31 Acres

This tract located 4 and 1/2 miles south and 2 and 1/2 miles east of Felt, consists of gently rolling upland hills with native grass pasture and underlies a portion of the Rita Blanca National Grassland.

TRACT 114. 1S,3E, Sec. 3 52.66 Acres

This tract located 4 and 1/2 miles south and 3 and 1/2 miles east of Felt, consists of gently rolling hills with native grass bisected by Agua Fria Creek and underlies a portion of the Rita Blanca National Grassland.

TRACT 115. 1S,3E, Sec. 2 53.05 Acres

This tract located 4 and 1/2 miles south and 4 and 1/2 miles east of Felt, consists of gently rolling upland hills with native grass pasture.

TRACT 116. 1S,4E, Sec. 4 53.81 Acres

This tract located 4 and 1/2 miles south and 8 and 1/2 miles east of Felt, consists of gently rolling upland hills with native grass pasture.

TRACT 117. 1S,4E, Sec. 3 53.77 Acres

This tract is located 4 and 1/2 miles south and 9 and 1/2 miles east of Felt. The tract consists of gently rolling upland hills with native grass pasture.

TRACT 118. 1S,4E, Sec. 2 13.36 Acres

This tract located 4 and 1/2 miles south and 10 and 1/2 miles east of Felt, consists of gently rolling upland hills with native grass pasture.

TRACT 119. 1S,5E, Sec. 5 10.91 Acres

This tract located 15 and 3/4 miles south and 1 and 1/4 miles west of Boise City, consists of cultivated fields .

TRACT 120. 1S,5E, Sec. 4 51.12 Acres

This tract located 15 and 3/4 miles south and 1/4 mile west of Boise City, consists of cultivated fields. There is an occupied dwelling in the approximate center of the tract.

TRACT 121. 1S,5E, Sec. 3 50.64 Acres

This tract located 15 and 3/4 miles south of Boise City, consists of flat, cultivated and irrigated fields on the west 1/2 and gently rolling cultivated fields on the east.

TRACT 122. 1S,5E, Sec. 2 50.17 Acres

This tract located 15 and 3/4 miles south and 3/4 miles east of Boise City, consists of flat, cultivated, upland fields (wheat) with a small area of upland native grass pasture in the extreme eastern most portion.

TRACT 123. 1S,5E, Sec. 1 49.70 Acres

This tract is located 15 and 3/4 miles south and 1 and 3/4 miles east of Boise City. The tract consists of flat, cultivated, upland fields (wheat).

TRACT 124. 1S,6E, Sec. 6 49.24 Acres

This tract is located 15 and 3/4 miles south and 2 and 3/4 miles east of Boise City. The tract consists of gently rolling, cultivated, upland fields (wheat).

TRACT 125. 1S,6E, Sec. 5 48.79 Acres

This tract located 15 and 3/4 miles south and 3 and 3/4 miles east of Boise City, consists of gently rolling, cultivated, upland fields (wheat).

TRACT 126. 1S,6E, Sec. 4 48.34 Acres

This tract is located 15 and 3/4 miles south and 4 and 3/4 miles east of Boise City. The tract consists of flat, upland, improved grass pasture.

TRACT 127. 1S,6E, Sec. 3 47.92 Acres

This tract located 15 and 3/4 miles south and 5 and 3/4 miles east of Boise City, consists of gently rolling, cultivated fields on the western 1/2 and gently rolling, native grass pasture on the east.

TRACT 128. 1S,6E, Sec. 2 47.94 Acres

This tract located 15 and 3/4 miles south and 6 and 3/4 miles east of Boise City, consists of flat, upland,improved grass pasture.

TRACT 129. 1S,6E, Sec. 1 47.08 Acres

This tract is located 15 and 3/4 miles south and 7 and 3/4 miles east of Boise City. The tract consists of flat, upland, improved grass pasture.

TRACT 130. 1S,7E, Sec. 6 46.69 Acres

This tract is located 15 and 3/4 miles south and 8 and 3/4 miles east of Boise City. The tract consists of gently rolling, upland native grass pasture on the western one-half and improved grass pasture on the east.

TRACT 131. 1S,7E, Sec. 5 46.37 Acres

This tract located 15 and 3/4 miles south and 9 and 3/4 miles east of Boise City, consists of gently rolling hills with improved grass pasture on the western 1/3 and cultivated fields on the eastern 2/3s.

TRACT 132. 1S,7E, Sec. 4 45.86 Acres

This tract is located 15 and 3/4 miles south and 10 and 3/4 miles east of Boise City. The tract consists of gently rolling upland, cultivated fields (milo).

TRACT 133. 1S,7E, Sec. 3 45.48 Acres

This tract is located 15 and 3/4 miles south and 11 and 3/4 miles east of Boise City. The tract consists of gently rolling upland, cultivated fields (milo).

TRACT 134. 1S,7E, Sec. 2 45.05 Acres

This tract is located 15 and 3/4 miles south and 12 and 3/4 miles east of Boise City. The tract consists of gently rolling upland, cultivated fields (wheat).

TRACT 135. 1S,7E, Sec. 1 44.57 Acres

This tract is located 15 and 3/4 miles south and 13 and 3/4 miles east of Boise City. The tract consists of flat upland cultivated fields (wheat) on the western and eastern most one-third and improved grass pasture on the center one-third.

TRACT 136. 1S,8E, Sec. 6 44.10 Acres

This tract is located 15 miles south and 14 miles east of Boise City. The tract consists of flat upland cultivated fields (wheat) bisected on the western most portion by State Highway 287 and the Santa Fe railroad.

TRACT 137. 1S,8E, Sec. 5 43.58 Acres

This tract is located 15 miles south 15 miles east of Boise City. The tract consists of gently rolling upland fields (wheat) on the western one-half and native grass pasture bisected by an intermittent drainage on the eastern one-half.

TRACT 138. 1S,8E, Sec. 4 43.02 Acres

This tract located 15 miles south and 16 miles east of Boise City, consists of flat upland improved grass.

TRACT 139. 1S,8E, Sec. 3 42.49 Acres

This tract is located 15 miles south and 17 miles east of Boise City. The tract consists of flat upland improved grass pasture.

TRACT 140. 1S,8E, Sec. 2 41.81 Acres

This tract located 15 miles south and 18 miles east of Boise City, consists of gently rolling upland improved grass pasture bisected by an intermittent drainage.

TRACT 141. 1S,8E, Sec. 1 41.01 Acres

This tract 16 south and 20 miles east of Boise City, consists of upland rolling hills with native grass pasture bisected by the North Canadian River. The river supports an area of bottom land native pasture, river flood plain, riparian vegetation and the river bed.

TRACT 142. 1S,9E, Sec. 6 40.14 Acres

This tract located 16 miles south and 21 miles east of Boise City, consists of rolling upland hills with native grass pasture bisected by an intermittent drainage.

TRACT 143. 1S,9E, Sec. 5 39.44 Acres

This tract located 16 miles south and 22 miles east of Boise City, consists of rolling hills with native grass.

TRACT 144. 1S,9E, Sec. 4 39.57 Acres

This tract is located 16 miles south and 23 miles east of Boise City. The tract consists of flat cultivated fields.

TRACT 145. 1S,9E, Sec. 3 39.79 Acres

This tract is located 16 miles south and 24 miles east of Boise City. The tract consists of flat cultivated fields.

TRACT 146. 1S,9E, Sec. 2 39.86 Acres

This tract located 16 miles south and 25 miles east of Boise City, consists of flat upland cultivated fields.

TRACT 147. 1S,9E, Sec. 1 39.79 Acres

This tract located 16 miles south and 26 miles east of Boise City, consists of flat upland cultivated fields.

TRACT 148. 2N,8E, Sec. 16 318 Acres

This tract is located 6 miles south and 17 miles east of Boise City. The tract consists of flat upland cultivated and irrigated fields (corn and wheat). A small church is located in the southwest corner of the tract.

TRACT 149. 3N,8E, Sec. 11 160 Acres

This tract is located 1/4 mile north and 19 miles east of Boise City. The tract consists of flat cultivated fields.

TRACT 150. 5N,6E, Sec. 12 40 Acres

This tract is located 7 miles north and 6 miles west of Keyes. The tract consists of moderately rolling hills with native grass bisected by an intermittent drainage.

TRACT 151. 5N,7E, Sec. 27 40 Acres

This tract is located 5 miles north and 2 miles west of Keyes. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 152. 5N,9E, Sec. 7 220 Acres

This tract is located 7 miles north and 7 miles east of Keyes, Oklahoma. The tract consists of moderately rolling upland hills with native grass pasture.

TRACT 153. 5N,8E, Sec. 1 160 Acres

This tract is located 8 miles north and 5 miles east of Keyes. The tract consists of gently rolling upland hills with native grass pasture.

TRACT 154. 6N,7E, Sec. 25 40 Acres

This tract is located 10 miles north and 1/4 mile east of Keyes. The tract consists of moderately rolling hills with native grass bisected by an intermittent drainage.

TRACT 155. 6N,7E, Sec. 25 80 Acres

This tract located 10 north of Keyes, consists of moderately rolling upland hills with native grass pasture bisected by an intermittent drainage.

TRACT 156. 6N,7E, Sec. 12 16.48 Acres

This tract located 13 miles north of Keyes, consists of gently rolling hills with native grass bisected by the Cimarron River. The river supports a wide area of bottom land native pasture, river flood plain, riparian vegetation with large cottonwood trees and the river bed.

TRACT 157. 6N,7E, Sec. 11 16 Acres

This tract located 13 miles north and 1/4 miles west of Keyes, consists of gently rolling hills with native grass.

TRACT 158. 6N,7E, Sec. 10 15.04 Acres

This tract located 13 miles north and 1 mile west of Keyes, consists of gently rolling hills with native grass.

TRACT 159. 6N,7E, Sec. 9 14.11 Acres

This tract located 13 miles north and 2 miles west of Keyes, consists of gently rolling hills with native grass.

TRACT 160. 6N,7E, Sec. 8 12.85 Acres

This tract is located 13 miles north and 3 miles west of Keyes. The tract consists of gently rolling upland hills with native grass pasture.

TRACT 161. 6N,7E, Sec. 7 12.80 Acres

This tract located 13 miles north and 4 miles west of Keyes, consists of gently rolling upland hills with native grass pasture.

TRACT 162. 6N,7E, Sec. 31 40 Acres

This tract located 9 miles north and 4 miles west of Keyes, consists of mostly flat upland with native grass pasture in the southern portions of the tract becoming a wide area of bottom land native pasture, river flood plain, riparian vegetation, large cottonwood trees and the river bed of the Cimarron River on the north.

TRACT 163. 6N,6E, Sec. 22 80 Acres

This tract is located 17 miles north and 6 miles east of Boise City. The tract consists of gently rolling hills with native grass pasture bisected by an intermittent drainage.

TRACT 164. 6N,6E, Sec. 33 40 Acres

This tract located 14 miles north and 5 miles east of Boise City, consists of flat upland native grass pasture.

TRACT 165. 5N,6E, Sec. 5 39.89 Acres

This tract located 14 north and 4 miles east of Boise City, consists of mostly flat upland native grass pasture in the northwestern portions of the tract becoming a wide area of bottom land native pasture, river flood plain, riparian vegetation, large cottonwood trees and the river bed of the Cimarron River on the southeast.

TRACT 166. 5N,5E, Sec. 1 40 Acres

This tract located 13 miles north and 2 miles east of Boise City, consists of flat upland native grass pasture.

TRACT 167. 6N,5E, Sec. 7 19.98 Acres

This tract is located 18 miles north and 2 miles west of Boise City. The tract consists of gently rolling upland hills with native grass pasture.

TRACT 168. 6N,5E, Sec. 8 21.46 Acres

This tract is located 18 miles north and 1 mile west of Boise City. The tract consists of gently rolling upland hills with native grass pasture bisected by an intermittent drainage and the Santa Fe railroad.

TRACT 169. 6N,5E, Sec. 9 24.24 Acres

This tract is located 18 miles north of Boise City. The tract consists of gently rolling upland hills with native grass pasture bisected by an intermittent drainage and State Highway 287.

TRACT 170. 6N,5E, Sec. 10 27.07 Acres

This tract located 18 miles north and 1/4 mile east of Boise City, consists of gently rolling upland hills with native grass pasture.

TRACT 171. 6N,5E, Sec. 11 28 Acres

This tract located 18 miles north and 1 mile east of Boise City, consists of gently rolling upland hills with native grass pasture bisected by intermittent drainages.

TRACT 172. 6N,5E, Sec. 12 31.44 Acres

This tract located 18 miles north and 2 miles east of Boise City, consists of gently rolling upland hills with native grass pasture bisected by an intermittent drainage.

All tracts in Cimarron County would be available for lease. ORA-1 and ORA-2 would apply to tracts 13,16,19,74,75,92-96,141,156,162 and 165. ORA-2 would apply to tracts 11,29,35,53,54,60,90 and 91. ORA-4 No Surface Occupancy, would apply to tracts 38,39,40,41,43,61 and 62 to protect Black Mesa State Park. LN-2 applies to tracts 4, 11, 12, 39 and 40. The remainder would be available under STC.

Note: Portions of or all of tracts 100,104,106,113 and 114 are within the Rita Blanca National Grassland and are subject to USFS planning.

CLEVELAND COUNTY

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TRACT 1. 10N,4W, Sec. 19  40 Acres
TRACT 2. 10N,4W, Sec. 20,29 320 Acres
TRACT 3. 10N,4W, Sec. 35  10 Acres
TRACT 4.  9N,3W, Sec. 6  20 Acres
TRACT 5.  9N,3W, Sec. 18 200 Acres
TRACT 6.  9N,3W, Sec. 19 20 Acres
TRACT 7.  9N,3W, Sec. 33 40 Acres
TRACT 8.  8N,3W, Sec. 2 10 Acres
TRACT 9.  8N,2W, Sec. 19,20 260 Acres
TRACT 10. 6N,1W, Sec. 7 40 Acres
TRACT 11. 6N,1W, Sec. 28,29 560 Acres
TRACT 12. 6N,1E, Sec. 4 80 Acres
TRACT 13. 6N,1E, Sec.1,2 100 Acres
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All Cleveland County tracts are along the South Canadian river bottom and are located from the Canadian County line to the Pottawatomie County line. The South Canadian River bottom and floodplain support wetlands. These tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom. Tracts 1 and 2 are in the Oklahoma City limits, tracts 3 and 4 are within the city of Moore, tracts 5 through 9 are in the Norman city limits and tract 10 is in the city of Lexington.

All tracts not within city limits in Cleveland County would be available for lease. ORA-1 and ORA-2 would apply to all tracts. LN-1 would apply to all Cleveland County tracts due to the known presence of the bald eagle and the interior least tern (refer to Table 3-2 for species information) along the North and South Canadian River systems.

COAL COUNTY

TRACT 1. 1S-2N,9-11E, app. 37,120 Acres

This large contiguous tract stretches from the Atoka County line south of and including the town of Lehigh north approximately 14 miles through and including the towns of Phillips,Coalgate, Cottonwood and Cairo. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerous wetlands, riparian zones and floodplains. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

This tract within Coal County would be available for lease. ORA-1 and ORA-2 would apply to portions of this area and coal protection stipulation NM-10 would apply to the entire area.

COMANCHE COUNTY

Tract 1. 4N,13W, Section 3 - 40 acres

This parcel, located 9 and 1/2 miles north of Mt. Scott, includes a riparian zone along a drainage but most of the parcel is a steep NE facing slope. Tract is characterized by heavily grazed pasture, steep hillsides.

Tract 2. 3N,15W, Section 4 - 10 acres

Tract is native pasture, trees along the northern edge have been chemically (?) killed off.

Tract 3. 3N,15W, Section 4 - 80 acres

Tract is native pasture, trees along the northern edge have been chemically (?) killed off.

Tract 4. 1N, 15W, Section 10 - 80 acres

This tract, located 3 miles south of Indiahoma, is rolling native pasture with scattered scrub trees.

Tract 5. 1S,12W, Section 9 - 160 acres

This tract, located 5 and 1/2 miles west of Geronimo, is cultivated cropland/pasture with a wooded drainage with riparian vegetation along the eastern edge.

Tract 6. 1S,14W, Section 34 - 40 acres

This parcel is located in the town of Chattanooga.

Tract 7. 1S,11W, section 7 -

This parcel is located within Geronimo.

Tract 8. 4N,10W, Section 31 - 80 acres

This parcel is located within the town of Elgin.

All but tracts 6,7 and 8 in Comanche County would be available for lease. ORA-2 would apply to tracts 1 and 5. The remainder would be available under STC.

COTTON COUNTY

TRACT 1. 5S,13W, Sec. 5,6,8 850 Acres
TRACT 2. 5S,13W, Sec. 25,36 550 Acres
TRACT 3. 5S,12W, Sec. 13,24 140 Acres
TRACT 4. 5S,11W, Sec. 2 120 Acres
TRACT 5. 5S,9W, Sec. 9 20 Acres

Tracts 1-5 are located in the Red River floodplain from the Tillman County line east to the Jefferson County line. The Red River contains cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom. All tracts are in the floodplain and all support wetlands.

TRACT 6. 2S,12W, Sec. 10 160 Acres

This tract is located three miles north of the intersection of U.S. Highway 281 and State Highway 5. The tract consists of rolling hill grassland cultivated to wheat.

TRACT 7. 1S,10W, Sec. 2 40 Acres

This tract is located within the town of Hulen.

TRACT 8. 3S,10W, Sec. 27 40 Acres

This tract is within the town of Temple.

All but tracts 7 and 8 Cotton County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1 through 5. The remainder would be available under STC. LN-1 would apply to tracts 1-5 in Cotton County due to the known presence of the bald eagle and the interior least tern (refer to Table 3-2 for species information) along the Red River.

CRAIG COUNTY

TRACT 1. 28N,18E, Sec. 22 40 Acres

This is an interior tract located approximately four miles west of the community of Hollow on State Highway 10. This is a heavily grazed native grassland tract sloping to the west with a small amount (100 meters) of oak/hickory woodland along the western edge as the slope dips to a stream drainage. The greater prairie chicken, a species of high interest to the ODWC, is known to occur in this county.

This tract, within Craig County, would be available for lease but the season of use stipulation (ORA-3) would apply from February 15 through May 15, to protect greater prairie chickens from being disturbed while on their leks (booming grounds). This tract would also be subject to LN-1 due to the presence of the western prairie fringed orchid in this county.

CREEK COUNTY

TRACT 1. 17N,10E, Sec. 19 80 Acres

This tract is located approximately three miles west of the town of Kellyville adjacent to Heyburn Lake (COE). The tract consists of a west sloping oak/hickory woodland with very thick under story. A house and outbuildings are located on the tract.

TRACT 2. 18N,10E, Sec. 31 240 Acres

This tract is located on the north side of State Highway 33 five miles west of the intersection of State Highway 66 with 33. The tract is mostly within the jurisdictional boundary of the COE at Heyburn Lake. The tract is a bottom land hardwood forest and contains a wetlands and riparian zone along "Tiger Creek". The portion of the tract outside the COE boundary contains a hay meadow, barn and fencing. An active well and tank battery to the east is within 100 meters of this tract.

Tract 1 would be available for lease under STC. ORA-1 and ORA-2 would apply to tract 2.

CUSTER COUNTY

TRACT 1. 12N,19W, Sec. 27 40 Acres

This tract is located one and one-half miles southwest of the intersection of State Highways 44 and 73. The tract consists of rolling hills bisected by an intermittent stream running south to north. The tract is native grassland with scattered deciduous trees occurring along the stream bed.

TRACT 2. 12N,19W, Sec. 20 40 Acres

This tract is located one mile south and four miles west of the intersection of State Highways 44 and 73. The tract consists of native grass covered rolling hills.

TRACT 3. 12N,19W, Sec. 31 40 Acres

This tract located two miles south and five miles west of the intersection of State Highways 44 and 73, is bisected by a perennial tributary of Oak Creek. The tract consists of improved pasture, cultivated fields and a narrow band of large trees along the stream.

TRACT 4. 12N,19W, Sec. 18 40 Acres

This tract is located approximately five miles west of the intersection of State Highways 44 and 73. The tract is an upland cultivated field (wheat).

TRACT 5. 12N,20W, Sec. 23 40 Acres

This tract is located approximately six miles west of the intersection of State Highways 44 and 73. The tract is an upland cultivated field (wheat).

TRACT 6. 12N,20W, Sec. 26 40 Acres

This tract located two miles south and seven miles west of the intersection of State Highways 44 and 73, is bisected by a perennial tributary of Oak Creek. When inspected on Dec. 11 1991, the bridge had been washed out. The tract consists of a native grass covered upland with a wider riparian zone /woodland along the stream.

TRACT 7. 12N,20W, Sec. 14 40 Acres

This tract is located approximately seven miles west of the intersection of State Highways 44 and 73. The tract is an upland native grass pasture.

TRACT 8. 20W,12N, Sec. 10 40 Acres

This tract is located approximately four miles east and two miles south of the intersection of State highways 34 and 73. The tract consists of a cultivated wheat field, native grass pasture with a perennial tributary of Little Panther Creek coursing from the northwest corner to the southeast corner. The stream supports a small (10 meter wide) riparian zone of scattered willows, grasses and shrubs.

TRACT 9. 19W,13N, Sec. 23 160 Acres

This tract is located at the north end of Foss Lake Dam. The tract consists of a wheat field with patches of native grass with scattered willows occurring as riparian vegetation along an intermittent drainage on the southeast side. The tract is adjacent to a heavily developed residential area of trailer houses and summer cabins.

TRACT 10. 16W,12N, Sec. 25 160 Acres

This tract is located one mile southeast of the city of Clinton. The tract is a bottom land wheat field containing the Washita River. The tract is cultivated to the river bank along most of its length, a small one tree wide riparian zone can be detected in places.

TRACT 11. 12N,20W, Sec. 8 40 Acres

This tract is located approximately two miles east and two miles south of the intersection of State highways 34 and 73. The tract consists of a cultivated wheat field, native grass pasture with a perennial tributary of Panther Creek coursing from the northwest corner to the southeast corner. The stream supports a small (10 meter wide) riparian zone of scattered willows, grasses and shrubs.

TRACT 12. 13N,20W, Sec. 31 40 Acres

This tract is located approximately one mile northeast of the intersection of State Highways 34 and 73. The tract consists of a rolling hill grass covered upland with a small intermittent tributary of Hines Creek draining from the south to north along the western edge.

TRACT 13, 13N,20W, Sec 30 40 acres

This tract is located approximately two miles north of the intersection of State Highways 34 and 73. The tract consists of a rolling hill grass covered upland with a small intermittent tributary of Hines Creek draining from the south to north along the eastern edge.

TRACT 14. 13N,18W, Sec. 31 40 Acres

This tract is located below the Dam at Foss Lake. The tract is flat bottom land within the floodplain of the Washita River. A small unnamed tributary of the river runs south through the tract and supports a limited amount of riparian vegetation.

TRACT 15. 15N,14W, Sec. 15 160 Acres

This tract is located at the South Canadian River bridge on State Highway 33. The tract consists of the river flood plain, riparian vegetation and the river bed itself.

TRACT 16. 15N,14W, Sec. 24 40 Acres

This tract is located approximately one mile east of the South Canadian River bridge on State Highway 33. The tract consists of river floodplain, thick riparian vegetation of willows, cattails and cottonwoods.

TRACT 17. 15N,14W, Sec. 25 220 Acres

This tract is located approximately two miles southeast of the South Canadian River bridge on State Highway 33. The tract consists of river floodplain, thick riparian vegetation of willows, cattails and cottonwoods as well as the river bed itself.

TRACT 18. 15N,14W, Sec. 9 40 Acres

This tract is located approximately two miles northwest of the South Canadian River bridge on State Highway 33. The tract consists of river floodplain and an associated stream, oxbow lake all with thick riparian vegetation of willows, cattails, junipers and cottonwoods as well as the river bed itself.

TRACT 19, 15N,14W, Sec. 5 200 Acres (contiguous with Dewey County Tract of 340 for a total tract of approximately 540 acres)

This tract is located approximately three miles northwest of the South Canadian River bridge on State Highway 33. The tract contains portions of the river floodplain and an associated stream, thick riparian vegetation of willows, cattails, junipers and cottonwoods as well as the river bed itself. A cultivated field (wheat) of approximately 60 acres is along the west.

TRACT 20, 15N,18W, Sec. 6 40 Acres

This tract is located approximately twelve miles north of the Town of Butler on State Highway 44. This is an upland tract with half in wheat the remainder in native grass. A tank battery is situated within 100 meters of this tract.

TRACT 21. 15N,19W, Sec. 17 160 Acres

This tract is located six miles east and two miles north of the community of Moorewood. The tract is rolling hills covered in native grass, unfenced and apparently not grazed. (excellent condition)

TRACT 22. 15N,20W, Sec. 22 80 Acres

This tract is located two miles east and two miles north of the community of Moorewood. The tract is rolling hill wheat field on the east sloping to a native grass, eroded drainage on the west. The associated vegetation is extremely overgrazed.

All 22 tracts within Custer County would be available for lease. ORA-1 and ORA-2 would apply to tracts 10,and 14-19. ORA-2 would apply to tracts 3,6,8 and 11. LN-1 would apply to tracts 10 and 15-19 in Custer County due to the known presence of the bald eagle on Washita NWR and the interior least tern (refer to Table 3-2 for species information) along the (South) Canadian River. The remainder would be available under STC.

DELAWARE COUNTY

TRACT 1. 25N,24E, Sec. 23 40 Acres

This tract is located approximately two miles north of the town of Grove on State Highway 10. The tract is situated in gently rolling terrain and consists of native grass with scattered trees (Savanna Type). The tract has several houses, outbuildings and barns.

This tract would be available for lease under STC.

DEWEY COUNTY

TRACT 1.	16N,14W,	Sec. 30,31,32	500 Acres
TRACT 2.	15W,	Sec. 23,24	80 Acres
TRACT 3.		Sec. 10	80 Acres
TRACT 4.		Sec. 3,4	180 Acres
	17N,15W,	Sec. 33	160 Acres
TRACT 5.		Sec. 28,29	60 Acres
TRACT 6.		Sec. 20	40 Acres
TRACT 7.		Sec. 5,6,8	480 Ac.
TRACT 8.	18N,16W,	Sec. 25	40 Acres
TRACT 9.		Sec, 26	40 Acres
TRACT 10.		Sec. 17	40 Acres
TRACT 11.		Sec, 6,7	320 Acres
TRACT 12.	17W,	Sec. 15	20 Acres
TRACT 13.		Sec. 15	40 Acres
TRACT 14.		Sec. 21,28,33	800 Acres
TRACT 15.	17N,17W,	Sec. 17,19,20	440 Acres
TRACT 16.		Sec. 31	40 Acres
TRACT 17.	16N,17W,	Sec. 6	40 Acres
	18W,	Sec. 1,11,12	520 Acres
TRACT 18.		Sec. 15	40 Acres
TRACT 19.		Sec. 17,18	40 Acres
TRACT 20.	19W,	Sec. 12,14	240 Acres
TRACT 21.		Sec. 10,11	120 Acres
TRACT 22.		Sec. 4	80 Acres
TRACT 23.		Sec. 5	160 Acres
TRACT 24.	17N,19W,	Sec. 32	70 Acres
TRACT 25.		Sec. 18,19,29,30,32	800 Acres
TRACT 26.		Sec. 6,7,8	400 Acres
TRACT 27.	18N,20W,	Sec. 26,27,28	680 Acres
TRACT 28.		Sec. 30	220 Acres

Tracts 1-28 occur in the South Canadian River bottom from the Ellis County line southeast to the Custer County line. All tracts are in the floodplain, and all support wetlands. These tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom. The river bottom varies in width from 1/4 mile to over 2 miles wide in places.

TRACT 29. 19N,19W, Sec. 5 40 Acres

This tract is located 3 miles east of the town of Vici. The western portion of this tract is a rolling hill grassland sloping east to a woodland bottom consisting of oaks with scattered junipers.

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TRACT 30. 19N,20W, Sec. 20  40 Acres
TRACT 31.          Sec. 20  40 Acres
TRACT 32.          Sec. 31  40 Acres
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These rolling hill sand dune grassland tracts are located on south facing slopes adjacent to Gyp Creek 3 miles south west of the town of Vici. Sage and yucca occur on the slopes with juniper thickets in the drainages.

TRACT 33. 17N,20W, Sec. 3 40 Acres

This tract is located 2 miles south of the town of Camargo on the north facing slopes of the sand dunes/bluffs overlooking the South Canadian River bottom. Grassland with Juniper and sage understory.

TRACT 34. 17N,19W, Sec. 5 40 Acres

This tract is located 3 miles southeast of the town of Camargo on the south facing slopes of the sand dunes/bluffs overlooking the South Canadian River bottom. Grassland with Juniper and sage understory.

TRACT 35. 16N,19W, Sec. 6 80 Acres

This tract is located 4 miles east of the town of Leedey on the northeast facing slopes of the sand dunes/bluffs overlooking the South Canadian River bottom. Grassland with scattered Juniper and sagebrush understory.

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TRACT 36. 17N,19W, Sec. 35  40 Acres
TRACT 37. 16N,19W, Sec. 2   40 Acres
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These tracts are located 9 miles east northeast of the town of Leedey on the southwest facing slopes of the sand dunes/bluffs overlooking the South Canadian River bottom. Grassland with scattered oak thickets, Juniper and sagebrush understory. Tract 36 contains a small cottonwood/willow grove and associated wetland on a tributary of Burnt Creek.

TRACT 38.18N,19W, Sec. 35 40 Acres

This tract is located 4 miles east-southeast of the town of Camargo on the south facing slopes overlooking Bull Creek. The tract consists of a grassland with Juniper and sage understory.

TRACT 39. 17N,18W, Sec. 20 40 Acres

This tract is located 1 mile north of the town of Webb on a paved county road. This tract is now a rolling hill grassland but was covered in Junipers in the past. Standing dead junipers cover the tract.

TRACT 40. 17N,18W, Sec. 22 40 Acres

This tract is located 2 miles east of the town of Webb. This grassland tract is bisected by Lone Creek a tributary of the South Canadian River. The drainage supports cottonwoods, willows, and associated wetland vegetation.

TRACT 41. 17N,18W, Sec. 25 40 Acres

This tract is located 2 miles east of the town of Webb on the southwest facing slopes overlooking Lone Creek. The tract consists of a grassland with Juniper and sage understory.

TRACT 42. 17N,18W, Sec 3 40 Acres

This tract located 4 miles north-northeast of the town of Webb on the southwest facing slopes overlooking Lone Creek, consists of a rolling hill grassland with Juniper and sage understory.

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TRACT 43. 18N,18W, Sec. 20 40 Acres
TRACT 44.          Sec. 20 40 Acres
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These tracts located 4 miles west of the town of Lenora, consist of rolling hill grassland with scattered yucca, juniper in the drainages with sagebrush understory.

TRACT 45. 18N,19W, Sec. 25 40 Acres

This tract is located 6 miles east of the town of Camargo on the north facing slopes overlooking Lone Creek. The tract consists of a grassland with scattered sagebrush understory and junipers in the drainages.

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TRACT 46. 17N,17W, Sec. 9  40 Acres
TRACT 47.          Sec. 21 40 Acres
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These tracts located 5 miles south of the town of Talogo, consist of rolling hills/sand dunes covered in grass with scattered Juniper and sagebrush understory.

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TRACT 48. 17N,16W,Sec. 30  40 Acres
TRACT 49.         Sec. 29  40 Acres
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These tracts are located 5 miles north of the town of Putnam on rolling hill grassland on the drainage of Trail Creek. The tracts contain scattered junipers, sagebrush and yuccas.

TRACT 50. 18N,16W, Sec. 11 80 Acres

This tract is situated 5 miles east of the town of Taloga and consists of rolling hill woodland of thick junipers and oaks interspersed with fingers of grass.

TRACT 51. 17N,14W, Sec. 29 40 Acres

This wheat field tract is located 1 mile southwest of the town of Oakwood.

All tracts in Dewey County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1 through 28. ORA-2 would apply to tracts 36 and 40. LN-1 would apply to tracts 1-28 in Dewey County due to the known presence of the bald eagle and the interior least tern (refer to Table 3-2 for species information) along South Canadian River system. The remainder would be available under STC.

ELLIS COUNTY

TRACT 1. 23N,23W, Sec. 22 40 Acres

This tract is located 5 miles north of the town of Fargo. The tract consists of a rolling hill grassland.

TRACT 2. 22N,24W, Sec. 5 40 Acres

This tract is located 7 miles north of the town of Gage. The tract consists of a rolling hill grassland with scattered sagebrush.

TRACT 3. 23N,24W, Sec. 6
25W, Sec. 1 440 Acres

This tract is located 4 miles northeast of the intersection of U.S. Highway 283 and State Highway 15. The tract consists of a rolling hill grassland with scattered yucca. Old house at center of tract with several trees.

TRACT 4. 24N,25W, Sec. 5 40 Acres
TRACT 5. 24N,25W, Sec. 6 20 Acres

These tracts are located 10 miles north of the intersection of U.S. Highway 283 and State Highway 15 on the west of U.S. Highway 283. The tracts consist of rolling hill grassland with scattered sagebrush, yucca.

TRACT 6. 24N,25W, Sec. 31 160 Acres

This tract is located 6 miles north of the intersection of U.S. Highway 283 and State Highway 15, two miles west of 283. The tract consists of a contoured rolling hill grassland with scattered groves of locust trees.

TRACT 9. 22N,25W, Sec. 30 40 Acres

This tract is located 6 miles northwest of the town of Shattuck. The tract consists of a rolling hill grassland.

TRACT 10. 21N,25W, Sec. 6 40 Acres

This tract is located 3 miles northwest of the town of Shattuck. The tract consists of a rolling hill grassland.

TRACT 11. 22N,25W, Sec. 35 80 Acres

This tract is located 4 miles northeast of the town of Shattuck. The tract consists of a rolling hill grassland.

TRACT 12. 18N,25W, Sec. 8,9 160 Acres

This tract is located 6 miles due south of the town of Arnett. The tract consists of a rolling hill grasslands with scattered sagebrush.

TRACT 13. 18N,25W, Sec. 17 40 Acres

This tract is located 7 miles due south of the town of Arnett. The tract consists of a rolling hill grassland grading to bottom land with a cottonwood and willow riparian area.

TRACT 14. 18N,26W, Sec. 36 160 Acres

This tract is located 3 miles due south of the Ellis County Wildlife Management Area. The tract consists of a flat to rolling grassland with scattered sagebrush.

TRACT 15. 18N,25W, Sec. 31 40 Acres
TRACT 16. 18N,25W, Sec. 31 40 Acres

These tracts are located 3 miles due south of the Ellis County Wildlife Management Area. The tracts consist of rolling sand dunes/hills covered with grass and scattered sagebrush.

TRACT 18. 18N,26W, Sec. 34 40 Acres

This tract is located 3 miles due south of the Ellis County Wildlife Management Area. The tract consists of a rolling hill grassland with scattered sagebrush.

TRACT 19. 17N,26W, Sec. 9 40 Acres

This tract located 5 miles due south of the Ellis County Wildlife Management Area, consists of a rolling hill grassland with scattered sagebrush.

TRACT 20. 17N,26W, Sec. 29 40 Acres
TRACT 21. 16N,25W, Sec. 6 40 Acres

These tracts located 7 miles due south of the Ellis County Wildlife Management Area, consist of rolling sand dunes covered with grass and scattered sagebrush.

TRACT 17. 18N,25W, Sec. 33 40 Acres
TRACT 22. 16N,25W, Sec. 5 120 Acres
TRACT 23. 16N,25W, Sec. 4 130 Acres
TRACT 24. 17N,26W, Sec. 24,25 80 Acres
TRACT 25. 17N,25W, Sec. 18,19 260 Acres
TRACT 26. 17N,25W, Sec. 7 40 Acres
TRACT 27. 17N,25W, Sec. 5 40 Acres
TRACT 28. 18N,25W, Sec. 32 40 Acres
TRACT 29. 18N,25W, Sec. 26 60 Acres
TRACT 30. 18N,24W, Sec. 31 40 Acres
TRACT 31. 16N,24W, Sec. 5
17N,24W, Sec. 30,31,32
430Acres
TRACT 50. 16N,23W, Sec. 21,22 440 Acres
TRACT 51. 16N,22W, Sec. 18 40 Acres
TRACT 52. 16N,22W, Sec. 17 20 Acres
TRACT 53. 16N,22W, Sec. 8 80 Acres
TRACT 54. 17N,22W, Sec. 23 40 Acres
TRACT 55. 17N,22W, Sec. 14 120 Acres
TRACT 56. 17N,22W, Sec. 1 40 Acres
TRACT 57. 17N,22W, Sec. 1 40 Acres
TRACT 58. 18N,21W, Sec. 29,31,32
200Acres
TRACT 59. 18N,21W, Sec. 28 80 Acres
TRACT 60. 18N,21W, Sec. 23 40 Acres
TRACT 61. 18N,21W, Sec. 22 40 Acres

Tracts 17, 22 through 31 and 50 through 61 are located in the South Canadian River bottom form the Texas State line east to the Dewey county line. A typical cross section of this stretch of the river would be described as commencing from approximately one mile north; rolling hill/bluffs to sagebrush covered sand dunes; cottonwood/willow band at base of dunes; bottom land grass/cultivated field; bottom land cottonwood/willow forest; river bed/water;bottom land cottonwood/willow forest; bottom land grass/cultivated field;sagebrush covered sand dune. The width of the cross sections appear to vary from one and one-half two over two miles with a corresponding variance in the width of each band.

TRACT 32. 17N,24W, Sec. 33 40 Acres
TRACT 33. 16N,24W, Sec. 2 40 Acres

These tracts are located 1 mile north of the South Canadian River on either side of U.S. Highway 283. The tracts consist of rolling sand dunes/hills covered with grass and scattered sagebrush.

TRACT 34. 18N,25W, Sec. 24 80 Acres

This tract is located 1 mile north of the river and three miles west of U.S. 283. The tract consists of a flat bottom land grassland with scattered sagebrush. A riparian zone consisting of thick cottonwoods and willows occurs on this tract.

TRACT 35. 18N,24W, Sec. 8 40 Acres

This tract located 3 miles north of the river and one mile west of U.S. 283, consist of rolling hills covered with grass and scattered sagebrush.

TRACT 36. 18N,24W, Sec. 14 40 Acres

This tract is located 7 miles south of the town of Arnet and two miles east of U.S. 283. The tracts consist of rolling hills covered with grass and scattered sagebrush.

TRACT 37. 18N,24W, Sec. 26 80 Acres

This tract located 9 miles south of the town of Arnet and two miles east of U.S. 283, consists of rolling hills covered with grass and scattered sagebrush.

TRACT 38. 18N,24W, Sec. 35 160 Acres

This tract located 10 miles south of the town of Arnet and two miles east of U.S. 283, consists of rolling hills covered with grass and scattered junipers, oaks and sage.

TRACT 39. 17N,23W, Sec. 7 160 Acres
TRACT 40. 17N,23W, Sec. 17,18 440 Acres
TRACT 41. 17N,23W, Sec. 19,30 200 Acres
TRACT 42. 17N,23W, Sec. 30,31 560 Acres
TRACT 43. 17N,23W, Sec. 28,29,32
600 Acres
TRACT 44. 17N,23W, Sec. 22,23,27

These tracts are located from 3 to 8 miles north of the South Canadian River and 3 to 5 miles east of U.S. Highway 283 in the Packsaddle Wildlife Management Unit managed by ODWC. The tracts consist of rolling hill grassland topography with scattered oak, juniper and sagebrush. Riparian zones consisting of thick cottonwoods, locusts and willows occur along the drainages.

TRACT 45. 17N,23W, Sec. 14 40 Acres
TRACT 46. 17N,23W, Sec. 14 40 Acres

These tracts are located 7 miles north of the South Canadian River and eight miles east of U.S. Highway 283 on the east of the Packsaddle Wildlife Management Unit managed by ODWC. The tracts consists of rolling hill grassland topography with scattered oak, juniper and sagebrush.

TRACT 47. 17N,23W, Sec. 25 120 Acres
TRACT 48. 17N,22W, Sec. 31 40 Acres
TRACT 49. 16N,22W, Sec. 6 40 Acres

These tracts are located from 1 to 4 miles north of the South Canadian River and eight miles east of U.S. Highway 283 on the east of the Packsaddle Wildlife Management Unit managed by ODWC. The tracts consist of rolling hill grassland topography with scattered oak, juniper and sagebrush.

TRACT 62. 17N,22W, Sec. 7
23W, Sec. 12 160 Acres
TRACT 63. 17N,22W, Sec. 7 40 Acres
TRACT 64. 17N,23W, Sec. 1 40 Acres

These tracts are located 8 miles north of the South Canadian River and nine miles east of U.S. Highway 283 on the east of the Packsaddle Wildlife Management Unit managed by ODWC. The tracts consist of rolling grassland topography with oak, juniper and sagebrush.

TRACT 65. 18N,23W, Sec. 27 40 Acres

This tract is located 9 miles south of the town of Arnet and six miles east of U.S. 283. The tract consists of rolling hills covered with grass and scattered oakbrush and sagebrush.

TRACT 66. 18N,23W, Sec. 9 80 Acres
TRACT 67. 18N,23W, Sec. 5,8 160 Acres

These tracts are located 6 miles south of the town of Arnet and five miles east of U.S. 283. The tracts consist of rolling hills covered with grass and scattered oakbrush and sagebrush.

TRACT 68. 18N,22W, Sec. 7 40 Acres
TRACT 69. 18N,22W, Sec. 10 160 Acres
TRACT 70. 19N,22W, Sec. 32 40 Acres
TRACT 71. 19N,22W, Sec. 29 80 Acres
TRACT 72. 19N,23W, Sec. 25 40 Acres
TRACT 73. 19N,23W, Sec. 24 80 Acres

These tracts are located from 3 to 6 miles south of the town of Harmon. The tracts consist of rolling hills covered with juniper woodlands, all support a grass understory with scattered oakbrush and sagebrush.

TRACT 74. 20N,21W, Sec. 33,34 40 Acres

This tract is located 7 miles east of the town of Harmon one mile north of U.S. Highway 60. The tract consists of rolling hills grassland with scattered oakbrush, junipers and sagebrush.

TRACT 75. 19N,21W, Sec. 11 40 Acres

This tract is located 9 miles east of the town of Harmon one mile south of U.S. Highway 60. The tract consists of rolling hills oakbrush/juniper woodland with an understory of grass and sagebrush.

All tracts in Ellis County would be available for lease. ORA-1 and ORA-2 would apply to tracts 17, 22 through 31, and 50 through 61. ORA-2 would also apply to tracts 13,34, and 39 through 44. ORA-3 Season-Of-Use stipulations would apply to all tracts in Ellis County. ORA-3 would apply to tracts 39 through 49 and 62 through 64 during all applicable hunting seasons, and it applies to these and all other Ellis County tracts from February 15 through May 15, to protect lesser prairie chickens, a species of high interest to the ODWC, from being disturbed while on their leks (booming grounds). LN-1 would apply to tracts 17, 22 through 31 and 50 through 61 due to the occurrence of interior least terns along the South Canadian River.

GARVIN COUNTY

TRACT 1. 4N,1W, Sec. 27 160 Acres
TRACT 2. 4N,1W, Sec. 26 280 Acres

These tracts are located three miles northwest of the town of Pauls Valley in the Washita River bottoms. Portions of both tracts contain cultivated fields as well as riparian woodlands along the edge of the river. Both tracts are in the river floodplain.

TRACT 3. 4N,2W, Sec. 25 60 Acres
TRACT 4. 4N,2W, Sec. 25 20 Acres

These rolling to flat grassland tracts are located two miles southeast of the town of Maysville.

TRACT 5. 3N,2E, Sec. 22,27 300 Acres

This tract is located five miles northeast of the town of Wynnewood in rolling terrain. The tract consists of introduced pasture grass.

TRACT 6. 3N,3E, Sec. 28 40 Acres

This tract is located four miles northwest of the intersection of U.S.Highway 177 and State Highway 29. The tract is a rolling hill woodland with scattered grass meadows.

TRACT 7. 2N,2E, Sec. 3 80 Acres
TRACT 8. 2N,2E, Sec. 9 80 Acres

These tracts are located three miles east of the town of Wynnewood north of State Highway 29. Both tracts are rolling hill woodlands with scattered grass meadows. Tract 7 has a large (10 acre) pond, house and outbuildings. Tract 8 has houses on the east and north.

TRACT 9. 2N,2E, Sec. 24 80 Acres

This tract is located adjacent to the east side of the town of Wynnewood along Turkey Creek. A riparian zone occurs along the stream.

TRACT 10. 2N,1E, Sec. 9 160 Acres

This tract is located two miles south of the Pauls Valley State Hospital. Flat to rolling grassland scattered trees on west edge.

All tracts in Garvin County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1 and 2. ORA-2 would apply to tract 9. The remainder would be available under STC.

GRADY COUNTY

TRACT 1. 10N,7W, Sec. 22 80 Acres

This tract is in the town of Minco.

TRACT 2. 9N,8W, Sec. 17 40 Acres

This tract is located five miles south west of the town of Minco. The tract consists of a rolling hill woodland with grassland meadows. The tract provides the watershed for a large pond.

TRACT 3. 6N,7W, Sec. 5 40 Acres

This tract is within the town of Chickasha.

TRACT 4. 6N,8W, Sec. 17,18 80 Acres

This tract is located on either side of the community of Caverty. The tract consists of a rolling hill woodland/grassland.

TRACT 5. 6N,8W, Sec. 31 20 Acres

This tract is located five miles west of the town of Chickasha and one mile north of U.S. Highway 277. The tract consists of a rolling hill grassland/ cultivated.

TRACT 6. 6N,7W, Sec. 27 90 Acres

This tract is within the town of East Ninnekah.

TRACT 7. 6N,5W, Sec. 11 80 Acres

This tract is located twelve miles east of the town of Chickasha and ten miles north of the town of Bradley. The tract consists of a rolling hill grassland, formerly cultivated. The north portion of the tract consists of a woodland.

TRACT 8. 3N,6W, Sec. 27 20 Acres

This tract located 7 miles south east of the town Rush Springs, consists of a rolling hill grassland.

Tracts 2,4,5,7 and 8 in Grady County would be available for lease. Tracts 1,3 and 6 would not be available for lease.

GRANT COUNTY

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TRACT 1. 25N,4W, Sec. 1  20 Acres
TRACT 2. 26N,7W, Sec. 23  40 Acres
TRACT 3.         Sec. 20  80 Acres
TRACT 4.     8W, Sec. 7,18  120 Acres
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Tracts 1-4 occur in the Salt Fork of the Arkansas River bottom from the Alfalfa County line southeast to the State Highway 74 crossing. All tracts are in the floodplain, and all support wetlands. These tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom.

The river bottom varies in width from approximately a quarter mile two over one miles wide in places.

TRACT 5. 29N,8W, Sec. 4 40 Acres

Within the city limits of the town of Manchester.

Tracts not within the city limits of the town of Manchester (tracts 1-4) are be available for lease. ORA-1 and ORA-2 would apply to tracts 1-4. LN-1 would apply to tracts 1-4 due to the occurrence of the interior least tern along the Salt Fork of the Arkansas River.

GREER COUNTY

TRACT 1. 3N,22W, Sec. 18 40 Acres

This tract is located one mile east of State Highway 34 approximately ten miles south of the city of Mangum. The west half of the tract is a cultivated field (wheat), the east half consists of improved pasture grass with scattered mesquite.

TRACT 2. 3N,22W, Sec 8 40 Acres

This tract is located one mile east of State Highway 34 approximately nine miles south of the city of Mangum. The tract consists of improved pasture grass with scattered mesquite.

TRACT 3. 4N,22W, Sec. 29,30 120 Acres

This tract is located one-half mile east of State Highway 34 approximately six miles south of the city of Mangum. The tract consists of rolling hill wooded upland. Vegetation consists of Cottonwood, willow, Mesquite, Oak with a grass understory.

TRACT 4. 4N,22W, Sec. 19 160 Acres

This tract is located one-half mile west of State Highway 34 approximately five miles south of the city of Mangum. The tract consists of a cultivated field.

TRACT 5. 5N,22W, Sec. 31 40 Acres

Tract 5 is located two and one-half miles west of the city of Magnum. The tract consists of a rolling hill grassland with scattered mesquite shrubs 2-3 feet tall.

TRACT 6. 5N,22W, Sec. 31 40 Acres

Tract 6 is located two and one-half miles west of the city of Magnum. The tract consists of a rolling hill grassland with scattered mesquite shrubs 2-3 feet tall. Tract 6 also has a creek running north to south supporting a wetland/riparian zone of approximately 50 meters consisting of scattered cottonwoods, willows, sedges, cattails, etc.

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TRACT 7.  4N,22W, Sec. 7   40 Acres
TRACT 8.  4N,23W, Sec. 7   80 Acres
TRACT 9.          Sec. 6   80 Acres
TRACT 10.    24W, Sec. 2   40 Acres
TRACT 11. 5N,24W, Sec. 35  40 Acres
TRACT 12.         Sec. 34  40 Acres
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Tracts 7-12 are all located in the Salt Fork of the Red River bottom land from the Harmon County line east to approximately three miles west of the city of Mangum. The river bottom consists of small sand dunes on the north covered in sand plum, mesquite and sage grading to a riparian zone approximately 100 meters wide on each side of the approximately 30 meter river bed. The riparian zone consists of cottonwoods, willows, salt cedar, elm and an understory of grass.

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TRACT 13. 5N,23W, Sec. 8   40 Acres
TRACT 14          Sec. 9  200 Acres
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These tracts are located three miles north-east of the town of Reed. The tracts consist of rolling hill grassland with scattered mesquite (5-10 feet tall).

TRACT 15. 5N,24W, Sec. 22 80 Acres

This tract is located two miles west of the town of Reed. The tracts consist of rolling hill grassland with scattered mesquite shrubs (1-3 feet tall).

TRACT 16.4N, 20W, Sec. 11, 40 acres

This tract is located four miles south of Quartz Mountain State Park and 1/2 mile west of the North Fork of the Red River. It lies on the side of a granite hill with the vegetation consisting primarily of oak brush and an understory of native short and tall grasses

TRACT 17. 4N, 20W, Sec 12, 47 acres

This tract is a riparian lot on the North Fork of the Red River. It is presently being used as improved pasture.

TRACT 26. 7N, 22W, Sec. 17, 40 Acres

Tract is located two miles northwest of the town of Willow. It is primarily poor quality grazing land, covered with snake weed, mesquite and a variety of perennial grasses. Soils appear to be highly erodible bentonite clay.

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TRACT 27.  7N. 22W, Sec. 32, 40 Acres
TRACT 28.  7N, 22W, Sec. 32, 40 Acres
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Tracts are located approximately one and a half miles west of the town of Willow. Poor quality grazing land, highly erodible soils, vegetation consisting primarily of mesquite, snakeweed, perennial grasses.

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TRACT 29. 7N, 23W, Sec. 7     80 Acres
TRACT 30. 7N, 23W, Sec. 8,    40 Acres
TRACT 31  7N, 24W, Sec. 12   120 Acres
TRACT 32  7N, 24W, Sec. 12
TRACT 33. 7N, 24W, Sec. 11,  120 Acres
TRACT 34. 7N, 24W, Sec. 2,   160 Acres
TRACT 35. 7N, 24W, Sec. 3,   360 Acres
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TRACT 36. 7N, 23W, Sec. 6, 75 Acres
TRACT 37, 7N, 23W, Sec. 5, 159 Acres
TRACT 38, 7N, 23W, Sec. 4, 80 Acres
TRACT 39, 7N, 23W, Sec. 9, 120 Acres
TRACT 40, 7N, 23W, Sec. 15, 400 Acres
TRACT 41, 7N, 24W, Sec. 7, 40 Acres
TRACT 42, 7N, 24W, Sec. 29, 200 Acres

These Tracts are all rugged lands, dissected by steep escarpments. They are gulled by many shallow, intermittent drainage ways. All of the acreage is in native range vegetation consisting of short grasses, mesquite, and prickly pear. The stands are sparse and appear to be producing little forage for grazing.
All the tracts are in native range and are being used for grazing.

TRACT 43, 7N, 24W, Sec. 31, 80 Acres

This tract is bisected by an improved dirt county road. On the west side of the road, the tract is within the Sandy Sanders Public Hunting Area managed by the ODWC. The Tract is rocky, with highly erodible soils, and vegetation consisting of mesquite, yucca, snakeweed and a variety of native short grasses.

TRACTS 44-46, 6N, 25W, Sec. 1, 322Acres
TRACT 47, 6N, 25W, Sec. 12, 400 Acres
TRACT 48-49, 6N, 25W, Sec. 14, 80 Acres
TRACTS 50 and 52, 6N, 25W, Sec. 21, 120Acres
TRACT 51, 6N, 25W, Sec. 22, 40 Acres

These Tracts are all rugged lands, dissected by steep escarpments. They are bisected by many shallow, intermittent drainage ways. All of the acreage is in native range vegetation consisting of cedar, short grasses, mesquite, and prickly pear. The stands are sparse and appear to be producing little forage for grazing. All the tracts are in native range and are being used for grazing.

TRACT 53, 6N, 25W, Sec. 9, 160 Acres
TRACT 54, 6N, 25W, Sec. 8, 80 Acres
TRACT 55, 6N, 25W, Sec. 5, 364 Acres
TRACT 56, 6N, 25W, Sec. 6, 55 Acres

These Tracts are all rugged lands, dissected by steep escarpments. They are gulled by many shallow, intermittent drainage ways. All of the acreage is in native range vegetation consisting of cedar, short grasses, mesquite, and prickly pear. The stands are sparse and appear to be producing little forage for grazing. All the tracts are in native range and are being used for grazing. In addition, all or portions of these tracts are within the Sandy Sanders Wildlife Management Area.

TRACT 57. 6N, 25W, Sec. 7, 80 Acres
TRACT 58. 6N, 25W, Sec. 20, 40 Acres
TRACT 59. 6N, 25W, Sec. 20, 40 Acres
TRACT 60. 6N, 25W, Sec. 29, 40 Acres
TRACT 61. 6N, 25W, Sec. 31, 40 Acres
TRACT 62-63. 7N, 24W, Sec. 26, 80 Acres
TRACT 64. 6N, 23W, Sec. 4, 80 Acres
TRACT 65. 7N, R23, Sec. 28, 160 Acres
TRACT 66. 7N, 23W, Sec. 1, 40 Acres

These Tracts are all rugged lands, dissected by steep escarpments. They are gulled by many shallow, intermittent drainage ways. All of the acreage is in native range vegetation consisting of cedar, short grasses, mesquite, and prickly pear. The stands are sparse and appear to be producing little forage.

TRACT 67. 6N, 22W, Sec. 26, 160 Acres

This tract is 6 miles west of the town of Granite. The eastern 1/3 of the tract is divided from the remainder by a small intermittent stream. The western 2/3 of the tract is cultivated, the remainder grassland.

TRACT 68. 6N, 21W, Sec. 21, 40 Acres

This Tract is on the side of a granite mountain, approximately one mile to the west of the town of Granite. Very little vegetation consisting of native grasses and some cedars.

All tracts in Greer County would be available for lease. ORA-1 and ORA-2 would apply to tracts 7-12 and 17. ORA-2 would also apply to tract 6. ORA-3, Season-of-Use stipulations from September 1 to June 1 , each year, would apply to tracts 43,and 53-56 all within the Sandy Sanders Public Hunting Area managed by ODWC. The remainder would be available under STC.

HARMON COUNTY

TRACT 1. 5N,24W, Sec. 32 40 Acres
TRACT 2. Sec. 29 40 Acres
TRACT 3. 25W, Sec. 14 80 Acres
TRACT 4. Sec. 11,12 80 Acres
TRACT 5. Sec. 3 40 Acres
TRACT 6. Sec. 4 80 Acres
TRACT 7. Sec. 4 40 Acres
TRACT 8. Sec. 24 40 Acres
TRACT 9. 24W, Sec. 31 40 Acres

Tracts 1-9 are located on the north of the Salt fork of the Red River from two miles north of the town of Vinson to six miles southeast of the same town. The tracts are all rolling hill/dunes grasslands with scattered mesquite. Tracts 4 and 5 have a small riparian (willow,sedges,cattails...) zone of approximately 25 feet width along each side of Canary Creek.

TRACT 10. 5N,25W, Sec. 20 20 Acres

Within city limits of Vinson.

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TRACT 11. 5N,26W, Sec. 2 160 Acres
TRACT 12.         Sec. 1 40 Acres
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Tracts 11 and 12 are located 2 miles north of the intersection of State Highways 9 and 30. The tracts consists of rolling hill grasslands with scattered yucca, sagebrush and thistle.

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TRACT 13. 6N,26W, Sec. 1,2 240 Acres
TRACT 14.         Sec. 2  40 Acres
TRACT 15.         Sec. 2 160 Acres
TRACT 16.         Sec. 4  40 Acres
TRACT 17.         Sec. 9 160 Acres
TRACT 18.        Sec. 10,11  160 Acres
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Tracts 13-18 located 9 miles northwest of the town of Vinson west of State Highway 30, consist of rolling hills to steep canyon sides covered in grass with scattered juniper, mesquite, sagebrush and sand plum. Tracts 17 and 18 also contain a small (10 meter) riparian zone along the Elm Fork of the Red River across from a large commercial salt operation located in section 11.

TRACT 19. 6N,26W, Sec. 20 360 Acres

This tract is located 5 miles northwest of the intersection of State Highways 9 and 30. The tract is a rolling hill grassland with scattered mesquite, Two drainages course west to east across the tract and provide a wetland habitat in riparian zones as well as a small pond situated in the northeast corner. The south 80 acres of the tract is a cultivated field.

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TRACT 20. 4N,26W, Sec. 1 40 Acres
TRACT 21.    25W, Sec. 15  80 Acres
TRACT 22.         Sec. 10  40 Acres
TRACT 23.         Sec. 11  40 Acres
TRACT 24.         Sec. 1,12 80 Acres
TRACT 25.         Sec. 1   40 Acres
TRACT 26.    24W, Sec. 6  40 Acres
TRACT 27.         Sec. 8  40 Acres
TRACT 28          Sec. 9  80 Acres
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Tracts 20-28 are located on in the Salt Fork of the Red River bottoms from the State highway 30 crossing to the Greer County line. A typical cross section of the river bottom in Harmon County would consist of: From the north approximately one-half mile from river center low dunes covered with sagebrush and sand plum grading to a riparian zone of approximately 100 to 200 meters in width consisting of cottonwoods, willows, salt ceders, locusts, elm and grass understory; a narrow water band with braided sand bar appearance of approximately 100 meters to: a south side riparian zone 100 to 200 meters wide with the same vegetation described for the north grading to low sand dunes covered in sagebrush and oakbrush thickets.

TRACT 29. 4N,26W, Sec. 5 160 Acres

This tract is located 4 miles south of the Salt Fork of the Red River one mile west of state Highway 30. The tract consists of a rolling hill woodland with locusts, elms, oaks, junipers and an understory of sagebrush and grass. Approximately 12 turkey were observed at this tract.

TRACT 30. 3N,26W, Sec. 5 160 Acres

This tract located 6 miles north of the town of Hollis, two miles west of State Highway 30, is almost entirely within a center pivot irrigation system and is cultivated.

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TRACT 31. 3N,26W, Sec. 26 160 acres
TRACT 32.         Sec. 35  40 acres
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Both tracts are located on the east of the city of Hollis. These tracts are cultivated fields.

TRACT 33. 2N,25W, Sec. 29 80 Acres

This cultivated field is located 6 miles southeast of the town of Hollis.

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TRACT 34. 1N,25W, Sec. 21  40 Acres
TRACT 35.         Sec. 21  40 Acres
TRACT 36.         Sec. 23  80 Acres
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Tracts 34-36 are located 8 miles south of the town of Gould on the top of the bluff overlooking the Prairie Dog Fork of the Red River bottoms. All tracts are cultivated.

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TRACT 37. 1N,25W, Sec. 28,29  30 Acres
TRACT 38.    26W, Sec. 3 40 Acres
TRACT 39.         Sec. 3 40 Acres
TRACT 40.         Sec. 7,8   400 Acres
             27W, Sec. 12  200 Acres
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Tracts 37-40 are located in the Prairie Dog Fork of the Red River bottom from the Texas state line on the west to the Jackson county line on the southeast. A typical cross section of the river bottom would consist of: From the north approximately one to one and one-half mile from river center low dunes covered with sagebrush and sand plum grading to a riparian zone of approximately 200 meters in width consisting of cottonwoods, willows, salt ceders, locusts, elm and grass understory; a water band with braided sand bar appearance of approximately 400 meters to: a south side riparian zone approximately 100 to 200 meters wide with the same vegetation described for the north.

TRACT 41. 1N,24W, Sec. 12 80 Acres

This tract is located 7 miles south east of the town of Gould. The tract consists of flat to rolling mesquite (5-10 feet) woodland with a grass understory.

TRACT 42. 2N,24W, Sec. 9 40 Acres

This tract is 2 miles east of the town of Gould. The tract consists of flat to rolling grassland.

TRACT 43. 2N,24W, Sec. 7 40 Acres

This tract is 1/2 mile south-east of the town of Gould. The tract consists of flat to rolling grassland with scattered mesquite.

TRACT 44. 3N,25W, Sec. 25. 80 Acres

This tract is 2 miles north of the town of Gould. The tract consists of flat to rolling grassland with scattered dead mesquite.

TRACT 45. 4N,24W, Sec. 30 240 Acres

This cultivated field is located 8 miles north of the town of Gould.

TRACT 46. 4N,25W, Sec. 25 80 Acres

This grass covered rolling hill tract is located 8 and 1/2 miles north of the town of Gould.

TRACT 47.	4N,24W,	Sec. 32	80 Acres
TRACT 48.		Sec. 28	80 Acres
TRACT 49.		Sec. 28	120 Acres

Tracts 47-49 are located 1 mile northeast of the community of Shrewder. The tracts consist of flat to rolling terrain with a badlands type eroded appearance. The tracts support a grass understory with scattered mesquite shrubs-trees. Tracts 47 and 48 contain ponds which provide small wetland habitat sites.

All but tract number 10 in Harmon County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1-9,20-28 and 37-40. ORA-2 would apply to tracts 17,18 and 19. The remainder would be available under STC.

HARPER COUNTY

TRACT 1.	28N,20W,	Sec. 7	40 Acres
TRACT 15.	29N,26W,	Sec. 22	30 Acres
TRACT 16.		Sec. 23,24	20 Acres
TRACT 17.	25W,	Sec. 19	80 Acres
TRACT 18.		Sec. 17,20	120 Acres
TRACT 19.		Sec. 21,22	80 Acres
TRACT 20.		Sec. 14	40 Acres
TRACT 21.		Sec. 14,23	90 Acres
TRACT 22.	24W,	Sec. 18	20 Acres

Tract one is located on the Cimarron River 4 miles north of U.S. Highway 64. Tracts 15 through 22 are located on the River from the Beaver County line northeast to the Kansas State Line. These tracts are located in the river. Vegetation consists of grasslands with scattered junipers,sagebrush and yucca, cottonwoods, willow and/or sagebrush occur in a band along the river.

TRACT 2. 27N,20W, Sec. 22 40 Acres

The majority of this rolling hill grassland tract located 3 miles southeast of the intersection of U.S. Highway 64 and State Highway 34, is a large (10 acre) pond or lake.

TRACT 3.	27N,20W,	Sec. 32	160 Acres
TRACT 4.	26N,20W,	Sec. 4	240 Acres
TRACT 5.	27N,20W,	Sec. 35	80 Acres
TRACT 6.	26N,20W,	Sec. 2	40 Acres

These tracts located 5 miles south and southeast of the intersection of U.S. Highway 64 and State Highway 34, consist of rolling hill grasslands and riparian vegetation associated with Lovedale Creek. The wetland vegetation consists of scattered willows, sedges and saltceaders.

TRACT 7. 25N,20W, Sec. 22 240 Acres

This tract located 14 miles south and southeast of the intersection of U.S. Highway 64 and State Highway 34, consists of rolling hill grasslands with sagebrush and scattered junipers.

TRACT 8. 25N,23W, Sec. 22 40 Acres

This rolling hill sand dune grassland with scattered sagebrush is located 5 miles east of the town of May. The tract is in the floodplain of the Beaver River.

TRACT 9. 25N,25W, Sec. 10.15 120 Acres

This tract is east of U.S. Highway 283 3 miles south of the town of Laverne. The tract is split by Spring Creek, a tributary of the Beaver River. Wetland vegetation consisting of scattered willows, sedges and saltceaders occur along the creek.

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TRACT 10. 26N,25W, Sec. 7 40 Acres
TRACT 11.     26W, Sec. 11 40 Acres
TRACT 12.          Sec. 2  40 Acres
TRACT 13. 27N,26W, Sec. 26 40 Acres
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These tracts are located in the Beaver River Floodplain northwest of the Laverne Municipal Airport. Tract 10 is bisected by Kiowa Creek. Wetland vegetation consisting of scattered cottonwoods, willows, sedges and saltceaders occur along the creek and along the River on tract 13.

TRACT 14. 29N,26W, Sec. 14 160 Acres

This tract located five miles north of the intersection of U.S. Highways 64 and 283, consists of a cultivated wheat field, House on SE corner.

TRACT 23. 29N,25W, Sec. 14 200 Acres

This tract is located five miles north of the intersection of U.S. Highways 64 and 283 six miles east of 283. Rolling hill grassland, cultivated wheat field.

TRACT 24. 27N,24W, Sec. 6 160 Acres

This tract is located 2 miles north of U.S. Highway 64 two miles west of Doby Springs Park. The west half of the tract is a cultivated field, the east rolling hill grassland.

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TRACT 25. 26N,23W, Sec. 29  40 Acres
TRACT 26. 26N,22W, Sec. 31  40 Acres
TRACT 27. 25N,22W, Sec. 7   40 Acres
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These rolling hill grasslands with scattered sagebrush are located 7 miles northeast of the town of May.

TRACT 28. 25N,21W, Sec. 11 40 Acres

This tract containing riparian areas along an unnamed stream is located 5 miles northeast of Western Oklahoma Hospital.

All tracts in Harper County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1,10,13,and 15 through 22. ORA-1 would apply to tracts 8,11 and 12. ORA-2 would apply to tracts 2 through 6,9 and 28. ORA-3 (Season of Use Restriction) would apply to all tracts in Harper County from February 15 through May 15, to protect lesser prairie chickens, a species of high interest to the ODWC, from being disturbed while on their leks (booming grounds). LN-1 will also apply to tracts 1, 10, 13 and 15-22 due to the occurrence of the interior least tern along the Beaver and Cimarron Rivers and some associated salt flats/wetlands.

HASKELL COUNTY

TRACT 1. 9N,22E, Sec. 1&12 120 Acres

This tract is located one mile north of the town of Keota. The tract is split by an east-west county road on the section line. The tract is fairly flat sloping to the east. The tract consists of formerly cultivated cropland that is currently in improved pasture. A small drainage with scattered trees along the bottom is situated in the northern portion of the tract. Houses and commercial developments occur along the north-south county road.

TRACT 2. 10N,22E, Sec. 23&26 160 Acres

This tract located two miles north of tract 1 on the same county road. This tract is heavily wooded along the southern two-thirds with oak-hickory and associated under-story, the tact is a gentile slope to the east and abuts a large hill. The north portion of the tract has been cleared and used as native grass pasture. Houses and outbuildings are situated along the road.

TRACT 3. 9N,23E, Sec. 33 50 Acres

This tract is located one mile southwest of the community of Cartersville at the end of County Road # N4575. This upland tract is situated on a hill side and consists of oak-hickory woodland with a native grass.

TRACT 4. 10N,22E, Sec. 3,9&10 480 Acres

This tract is located two miles south of the village of Tomaha and fronts Robert S. Kerr Reservoir. A portion of the tract may be under COE jurisdiction. The tract consists of formerly strip-mined lands some of which have been re-contoured and turned in cultivated fields. A portion of this tract has not been reclaimed and consists of strip pits with heavily wooded spoils piles.

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TRACT 5. 8N,21E, Sec. 1  160 Acres
         8N,22E, Sec. 6  120 Acres
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This tract is situated four miles northeast of the community of Lafayette along Mule Creek and Sans Bois Creek. The tract consists of a mountain top and slopes to bottom-land along both sides of Mule Creek. The tract is covered in oak-hickory with scattered junipers and pines. The bottom-land portion consists of bottom-land hardwoods and shrub under-story with open grasslands which may be re-contoured coal mine land.

TRACT 6. 9N,19E, Sec. 16 60 Acres

This tract is located north of State Highway 9 three miles west of the State Highway 2 Intersection. The tract is flat with a small drainage coursing through from west to east. The tract is cultivated, fenced and cross fenced and has several houses and outbuildings.

TRACT 7. 9N,19E, Sec. 17&18 210 Acres

This tract is located along both sides of State Highway 9 five miles west of the State Highway 2 Intersection. This tract consists of rolling hill grassland bisected by two drainages. The drainages contain cottonwood willow riparian associations and grass understory. A house is located on the north side of the Highway.

TRACT 8. 9N,18E, Sec. 15 50 Acres

This tract is located along Broken Creek two miles north of the State Highway 9&71 Intersection. The tract consists of bottom land hardwood, grasslands. The area is heavily developed with trailer parks, summer homes and associated commercial lake side developments.

TRACT 9. 9N,18E, Sec. 10 80 Acres

This tract is located along Broken Creek three miles north of the State Highway 9&71 Intersection. The tract consists of bottom land hardwood and upland grasslands gently rolling to the west. The western portion of this tract may be under COE jurisdiction (Eufaula Reservoir). The area is heavily developed with trailer parks, summer homes and associated commercial lake side developments.

TRACT 10. 9N,18E, Sec. 3&10 150 Acres

This tract is located along Broken Creek four miles north of the State Highway 9&71 Intersection. The majority of this tract is in Eufaula Lake under the administration of the COE. The upland portions of this tract are covered in oak-Hickory woodlands with scattered junipers.

TRACT 11. 9N,18E, Sec. 3 50 Acres

This tract is located on the eastern shore of Lake Eufaula on Broken Creek Bay. The upland portion of the tract is grass land progressing westward to woodlands along the lake. A portion of this tract is under COE jurisdiction.

TRACT 12. 9N,18E, Sec. 2 60 Acres

This tract is located along both sides of State Highway 71 four miles north of the State Highway 9 Intersection. The tract consists of bottom land hardwood and lake bottom. A portion of this tract is under COE jurisdiction.

TRACT 13. 9N,18E, Sec. 9 120 Acres

This tract is located on the southern shore of Lake Eufaula on Broken Creek Bay. The upland portion of the tract is grass land progressing westward to woodlands along the lake. A portion of this tract is under COE jurisdiction.

TRACT 14. 8N,19E, Sec. 33 40 Acres

This tract is located on State Highway 31 two miles east of the Intersection with State Highway 2. The tract consists of upland formerly a woodland oak-Hickory forest with native grass under-story. The tract contains several houses, barns outbuildings, is fenced and cross fenced.

TRACT 15. 9-11N,20-21E, app. 23,680 Acres

This large contiguous tract stretches from the town of Whitefield northeast 13 miles to and including the town of Tamaha. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

TRACT 16. 7N,21-22E, app. 15,360 Acres

This large contiguous tract stretches from the town of Lequire northeast 9 miles through and including the town of McCurtian northeast to the Le Flore County line. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

TRACT 17. 8N,23E, Sec. 24,25,25,34,35,36
app. 15,000 Acres

This large contiguous tract is located southeast of the town of Cartersvile. The tract along with a contiguous tract in Le Flore County abuts tract 16. The tract contains both leased, previously leased and nominated Federal coal areas evaluated for surface mining in previous plans. The tract contains numerous wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

All tracts within Haskell County would be available for lease. ORA-1 and ORA-2 would apply to tracts 5,9, and 10. ORA-2 would apply to tracts 4,8,11-13,and 15-17. Coal protection stipulation NM-10 would apply to tracts 15-17. All tracts in Haskell County would also be subject to LN-1, due to the documented presence of the American Burying Beetle and the bald eagle (refer to Table 3-2 for species information).

JACKSON COUNTY

TRACT 1.	4N,19W,	Sec. 17	160 Acres
TRACT 2.	3N,18W,	Sec. 28	40 Acres
TRACT 3	2N,18W,	Sec. 28	160 Acres
TRACT 4.	1N,18W,	Sec. 5	15 Acres
TRACT 5.	1N,19W,	Sec. 15	40 Acres
TRACT 6.	1N,19W,	Sec. 14	10 Acres
		Sec. 23	10 Acres
TRACT 7.	1N,19W,	Sec. 21	10 Acres
TRACT 8.	1N,19W,	Sec. 28	20 Acres
TRACT 9.	1S,19W,	Sec. 30	80 Acres
TRACT 10.	1S,19W,	Sec. 31	40 Acres
TRACT 11.	2S,19W,	Sec. 7	60 Acres
TRACT 12.	2S 19W,	Sec. 17	60 Acres
TRACT 13.	2S,19W,	Sec. 28	40 Acres

These tract's are all located on the North Fork of the Red River between it's confluence with the Prairie Dog Town Fork of the Red River and the Greer County line. Wetland river bottom, with scattered large cottonwoods, willows and sand plumb thickets, over sand dunes, to the edge of the riverbed itself. The riverbed is sandy and braided with numerous sand bars.

TRACT 14.	2N,21W,	Sec. 9	80 Acres
		Sec. 10	80 Acres

This tract is located adjacent to the Hollis and Eastern Railroad, one mile north of U.S. Highway 62 as it crosses the Salt Fork of the Red River. Sandy soils, small dunes, large cottonwoods and willows with sand plums thickets along the river, scattered tamerisk. The south 80 is mostly cultivated. The riparian zone is approximately 250 meters on each side of the riverbed.

TRACT 15. 3N,21W, Sec. 29 40 Acres

This tract is located 4 miles north of he U.S. Highway 62, State Highway 6 intersection on the bottom land of the Salt Fork of the Red River. The tract consists of sand dunes, covered in sand plums, scattered cottonwoods and tamarisk (upland).

TRACT 16. 1N,23W, Sec. 7 80 Acres
TRACT 17. 1N,23W, Sec. 17 160 Acres
TRACT 18. 1N,23W, Sec. 19 40 Acres

These tracts are located on the drainage of Gypsum Creek, 5 miles northwest of the State Highway 34 crossing. These are upland tracts, with flat to rolling terrain, covered in mesquite grass/woodland.

TRACT 19. 1S,22W, Sec. 8 40 Acres

This tract is located 6 miles east of the town of El Dorado. The tract consists of a small mesa approximately 50-60 feet in height, covered with mesquite/grass woodland (10 Feet)(lots of quail and turkey).

TRACT 20. 1S,22W, Sec. 26 40 Acres

This tract is located 7 miles west/southwest of the town of Elmer. The tract consisted of the eastern slope of a small mesa, with badlands type topography (badly eroded). Mesquite woodland with grass understory.

TRACT 21.	1S,25W,	Sec. 23	80 Acres
TRACT 22.	1S,25W,	Sec. 22	30 Acres
		Sec. 23	160 Acres
		Sec. 25	160 Acres
		Sec. 26	10 Acres
TRACT 23.	1S,25W,	Sec. 25	40 Acres
TRACT 24.	2S,24W,	Sec. 6	40 Acres
TRACT 25.	2S,24W,	Sec. 14	160 Acres
TRACT 26.	2S,23W,	Sec. 15	200 Acres
TRACT 27.	2S,22W,	Sec. 5	40 Acres
TRACT 28.	2S,22W,	Sec. 4	40 Acres
TRACT 29.	2S,22W,	Sec. 10	100 Acres
		Sec. 11	100 Acres
TRACT 30.	2S,22W,	Sec. 12	40 Acres
TRACT 31.	2S,21W,	Sec. 18	300 Acres
		Sec. 17	400 Acres
TRACT 32.	2S,21W,	Sec. 3	160 Acres
		Sec. 4	80 Acres
		Sec. 9	240 Acres
		Sec. 10	160 Acres
TRACT 33.	1S,20W,	Sec. 31	190 Acres
		Sec. 32	80 Acres

TRACT 34.	1S,20W,	Sec. 32	40 Acres
TRACT 35.	2S,20W,	Sec. 4	40 Acres
TRACT 36.	2S,20W,	Sec. 10	20 Acres
		Sec. 11	100 Acres
TRACT 37.	2S,20W,	Sec. 14	400 Acres
TRACT 38.	2S,20W,	Sec. 24	20 Acres
TRACT 39.	2S,19W,	Sec. 29	120 Acres
		Sec. 30	300 Acres

These tracts are all located within the flood plain/bottom of the Prairie Dog Town Fork of the Red River from it's confluence with the North Fork of the Red River and the Harmon County line. A typical cross section of this main stem Red River Bottom would be approximately 1 to 1/2 miles wide from the sand dunes on the north, covered in sage brush, grading to sand dunes covered in oak brush, a tamarisk flatland to the center of the river itself. The entire bottom land is covered in scattered cottonwood's and willow's with scattered sand plum thickets.

All 39 tracts within Jackson County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1-15 and 21-39. LN-1 would apply to tracts 14, 15 and 21-39 due to the occurrence of the interior least tern along the Salt Fork Red River and the Prairie Dog Town Fork of the Red River.

JEFFERSON COUNTY

TRACT 1. 3S,5W, Sec. 25 160 Acres

This tract is located north of the town of Asphaltum. The tract consists of a rolling hill woodland bisected by Negro Creek. A riparian zone occurs along the creek.

TRACT 2. 4S,9W, Sec. 11 30 Acres

This tract is located in the town of Hastings.

TRACT 3. 6S,9W, Sec. 2,11 160 Acres
TRACT 4. 6S,9W, Sec. 11 80 Acres
TRACT 5. 6S,8W, Sec. 26 60 Acres

These tracts are located in the Red River bottoms from six to two miles west of the town of Ryan. The Red River contains cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cottontails occur throughout the river bottom. All tracts are in the floodplain and all support wetlands.

All but tract 2 in Jefferson County would be available for lease. ORA-1 and ORA-2 would apply to tracts 3,4,and 5. ORA-2 would also apply to tract 1. Tract 2 would not be available for lease. LN-1 would also apply to tracts 3, 4 and 5 due to the documented occurrence of the interior least tern and the bald eagle along the Red River (refer to Table 3-2 for species information).

JOHNSTON COUNTY

TRACT 1. 2S,5E, Sec. 6 340 Acres

Located on the east side of the town of Mill Creek, this savanna type grassland with scattered trees is heavily grazed. The tract also contains numerus developments such as houses and ancillary facilities.

TRACT 2. 3S,4E, Sec. 36, 3S,5E, Sec.31, 4S,4E, Sec. 1, and 4S,5E, Sec. 6 640 Acres.

This tract consisting of contiguous parcels from four sections is located approximately four miles west of the town of Ravia. This tract abuts the Washita Arm of the Tishomingo Public Hunting Area of Lake Texoma. The tract is rolling hills covered with thick oak/hickory woodlands, junipers are scattered throughout. The tract contains two intermittent drainage of Courtny Creek, a large perineal stream. Approximately 5,000 snow geese were observed feeding on the cultivated lands south of this tract.

TRACT 3. 3S,7E, Sec. 12 80 Acres

Located one mile east of State Highway 48A and four miles north of Milburn, this Native grass covered tract contains several (3) houses and outbuildings along the south side. Several clumps of oaks provide a savanna appearance.

TRACT 4. 3S,8E, Sec. 11 100 Acres

This tract is located two miles north of the town of Coleman on State Highway 48. The tract is bisected north to south by a perennial stream and an abandoned railroad grade. The tract appears to be in excellent vegetative condition with the majority of ground cover being native grasses. A riparian zone consisting of deciduous hardwoods occurs approximately 100 meters wide along both sides of the stream.

All 4 tracts within Johnston County would be available for lease. ORA-1 and ORA-2 would apply to tract 4. ORA-3 season of use restrictions to protect the wintering waterfowl use area would apply to tract 2.

KAY COUNTY

TRACT 1. 28N,2E, Sec. 26 4 Acres

This tract is located within the town of Newkirk, Oklahoma, in the central business district. Newkirk townsite reserves, between blocks 40 and 45.

TRACT 2. 27N,1W, Sec. 23 10 Acres

This tract is located within the town of Blackwell, Oklahoma. Blackwell townsite park reserve.

Both tracts within Kay County would not be available for lease.

KINGFISHER COUNTY

TRACT 1. 19N,9W, Sec. 6: Lots 4 & 5 35 acres

This tract occurs just outside of the Cimarron River floodplain 17 miles west of Hennesey, Oklahoma and 3 miles north of State Highway 51. Topography is generally flat with the vegetation on these lands consisting of native pasture land interspersed with wild plum, eastern red cedar and a few large mature cottonwoods.

TRACT 2. 19N,9W, Sec. 6,7: 79 acres

This tract occurs 17 miles west of Hennesey, Oklahoma and 2 miles north of State Highway 51. The topography of the northern portion of these river lots is of a rolling sand dune type with the southern portions of these lots lying in the flat Cimarron River floodplain. The vegetation on these lands consists of native pasture land interspersed with wild plum, eastern red cedar and a few large mature cottonwoods gradually giving way to the willow, salt cedar and cottonwood regeneration zones of the floodplain. Wetland characteristics prevail along the southern edges of these lands.

TRACT 3. 19N,9W, Sec. 17: Lot 5, 0.46 acres

This parcel occurs 15 miles west of Hennesey, Oklahoma and one-half mile north of State Highway 51 right on or possibly in the active channel of the Cimarron River in northwest Kingfisher County, Oklahoma. Greater egrets and cliff swallows were observed in the vicinity of these lands. This parcel is entirely within the active channel of the river and is considered a wetland.

TRACT 4. 19N,9W, Sec. 21: Lot 4 1.25 acres

This parcel occurs 14 miles west of Hennesey, Oklahoma and one-half mile south of State Highway 51 adjacent and partially in the active channel of the Cimarron River in northwest Kingfisher County, Oklahoma. Killdeer and cliff swallows were observed in the vicinity of these lands. This parcel is entirely within the Cimarron River floodplain and possesses wetland characteristics. Vegetated portions of this tract contain salt cedar, sedges, willows and a few cottonwoods.

TRACT 5. 19N,9W, Sec. 22: SESE 40 acres

This parcel occurs 13 miles west of Hennesey, Oklahoma and one mile south of State Highway 51. Although this parcel may be near the floodplain of the Cimarron River it exhibits little or no floodplain characteristics. This particular 40 acre parcel is overgrazed pasture land, gently rolling sand dunes with very few trees. Vegetation present consists of range grasses, indian blanket and other wild flowers, prickly poppy, hackberry and winged elm.

TRACT 6. 19N,9W, Sec. 28: Lot 4 36.70 acres

This parcel occurs 14 miles west of Hennesey, Oklahoma and 1.5 miles south of State Highway 51. Two small creeks course through this parcel, Salt Creek and an unnamed drainage. Vegetation was tame and native pasture land right down to the river. Johnson grass appeared to be the dominant grass. Narrow riparian zones occur in places along the tributaries and contain elm and hackberry. Adjacent to the river this parcel contains salt cedar, soap berry trees and scattered mature cottonwoods.

TRACT 7.	19N,9W,	Sec. 34:	58 acres
TRACT 8.		Sec. 35:	40 acres
TRACT 9.	9W,	Sec. 2:	42 acres
TRACT 10.		Sec. 1:	80 acres

These parcels occur 12 to 13 miles west of Hennesey two to three miles south of State Highway 51. Although these parcels may be near the floodplain of the Cimarron River they exhibit little or no floodplain characteristics. Except for tract number 10, these lands are grazed pasture land with rolling sand dunes and very few trees. Tract number 10 is partially involved in the wetland area known a Hajek Marsh. The upland vegetation present on each tract consists of range grasses, sand sage, prickly poppy, hackberry and winged elm. However, due to the rising water table in this general area of Kingfisher County, pockets of wetlands do occur in the swells between some of the vegetated sand dunes.

Vegetation in the sand dune wetlands consisted of sedges and willow. Most of the observed wetlands are heavily used by livestock. Observed wildlife included yellow-billed cuckoos, eastern and western kingbirds, crows and meadowlarks. The wetland partially on Tract number 10 is known as Hajek Marsh and is under lease to the Oklahoma Department of Wildlife Conservation for waterfowl management. Whooping cranes have been know to use this wetland complex. Wetland vegetation associated with Hajek Marsh includes cattails, sedges, willow, button bush and cottonwoods.

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TRACT 11. 18N,9W, Sec. 11: 4 acres
TRACT 12.         Sec. 12: 20 acres
TRACT 13.     8W. Sec. 18: 54 acres
TRACT 14.         Sec. 23: 11 acres
TRACT 15.         Sec. 25: 40 acres
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These parcels occur in the Cimarron River floodplain from about 3.5 miles northwest of Dover, Oklahoma to 8 miles northwest of Dover following the Cimarron River. All of these parcels exhibit floodplain and wetland characteristics. Vegetation observed on these parcels included salt cedar, willows, sedges and cottonwoods.

TRACT 16. 17N,7W, Sec. 24: Lot 1 30.94 acres

This tract is one-half mile east and 2.5 miles south of Dover, Oklahoma on the fringes of the Cimarron River floodplain. These lands consist of open pasture land with intermittent wetlands. The wetland vegetation present was sedges and lowland switchgrass.

TRACT 17. 17N,6W, Sec. 19: Lots 3 & 4 '46.94 acres

This river lot tract is one mile east and three miles south of Dover, Oklahoma within the floodplain of the Cimarron River. The upland sand dunes give way to cottonwoods and willows where the southern portion of this tract lies along the banks and active river channel of the Cimarron.

TRACT 18. 16N,7W, Sec. 15: Lot 1A 1 acre

This parcel is in downtown Kingfisher, Oklahoma and is occupied by buildings housing places of business.

TRACT 19. 16N,7W, Sec. 32: SW1/4 160.00 acres

These lands are located 3 miles south and 2 miles west of Kingfisher, Oklahoma. This quarter section is about equally divided between tame pasture and cultivated wheat fields. The tame pasture is comprised of bermuda grass and love grasses. A small riparian zone is associated with a small stream along the eastern boundary of this tract. Riparian vegetation included willow, elm and soap berry.

TRACT 20. 16N,7W, Sec. 31: E2SW 80.00 acres

This tract is located 3 miles south and 2.5 miles west of Kingfisher, Oklahoma. The southeast corner of these lands is occupied by a relatively new home. There is a small stream that meanders through this parcel threading a narrow riparian zone throughout the tract. The open grassland areas contain bermuda grass and some native pasture grasses. The stream's riparian zone is comprised of elm, cottonwood, hackberry and willow.

Nineteen of the twenty tracts within Kingfisher County would be available for lease. Tract number 18 would not be available for lease. ORA-1 and ORA-2 would apply to tracts 2,3,4,6,and 11-17. ORA-2 would also apply to tracts 10 and 20. LN-1 would also apply to tracts 2, 3, 4, 5 and 10-17 due to the occurrence of the interior least tern along the Cimarron River and the whooping crane at Hajek Marsh (tract 10).

KIOWA COUNTY

TRACT 1. 7N,14W, Sec. 12

This rolling hill grassland tract is located approximately five miles east of the town of Mountain View.

TRACT 2. 7N,14W, Sec 34 160 Acres

This wheat field is located approximately five miles southeast of the town of Mountain View.

TRACT 3. 5N,16W, Sec. 24 160 Acres

Located two miles northeast of the town of Cooperton this tract consists of a rolling hill grassland.

TRACT 4. 3N,16W, Sec. 3 160 Acres

This tract is located one mile northwest of the intersection of State Highways 49 and 54. The north half of this tract is a Mesquite woodland with grass understory. The south half is a wheat field.

TRACT 5. 3N,16W, Sec. 18 160 Acres

This tract is located three and one-half miles west of the intersection of State Highways 49 and 54. The tract is a cultivated wheat field.

TRACT 6. 2N,17W, Sec. 25 160 Acres

This cultivated field is located one mile east and two miles south of the town of Snyder.

TRACT 7. 2N,17W, Sec. 27 160 Acres

This cultivated field is located one mile west and two miles south of the town of Snyder.

TRACT 8. 2N,17W, Sec. 16 160 Acres

This alfalfa field is located one mile west of the town of Snyder on U.S. Highway 62 Business.

TRACT 9. 2N,17W, Sec. 17 80 Acres

This cultivated field is located two and one-half miles west of the town of Snyder and is split by U.S. Highway 62 Business.

TRACT 10. 3N,17W, Sec. 18 160 Acres

This wheat field tract is located five miles west and two miles north of the town of Mountain Park adjacent to Tom Steed Reservoir.

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TRACT 11. 5N,19W, Sec. 22   80 Acres
TRACT 12.         Sec. 23  160 Acres
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Tracts 11 and 12 are wheat fields located five miles east of the town of Lugert.

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TRACT 13. 6N,19W, Sec. 25  160 Acres
TRACT 14.    18W, Sec. 21   80 Acres
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Tracts 13 and 14 are wheat fields located three miles southwest of the town of Hobart.

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TRACT 15. 7N,21W, Sec. 2  40 Acres
TRACT 16.         Sec. 24  40 Acres
TRACT 17. 4N,20W, Sec. 2  100 Acres
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Tracts 15-17 are located on the North Fork of the Red River from the Beckham County line southeast to the Jackson County line. A cross section of these tracts described from north to south: consisting of rolling hill grasslands grading to scattered mesquite grassland dunes, to a treed riparian zone of approximately 150 to 250 meters, a braided sandy streambed approximately 50 to 100 meters wide, a treed southside riparian zone of approximately 100 to 200 meters, a wetland/grassland (some suitable for cultivation) approximately 500 to 600 meters in width grading to sagebrush covered sand dunes.

All tracts in Kiowa County would be available for lease. ORA-1 and ORA-2 would apply to tracts 15,16 and 17. The remainder would be available under STC.

NOTE: Two tracts totaling 280 acres are located within the city limits of Cooperston and Roosevelt within Kiowa county. Also, 300 acres in two tracts was identified as split-estate within Altus reservoir (BR).

LATIMER COUNTY

TRACT 1. 5N,17E, Sec. 26 400 Acres

This rolling hill grassland tract is located south of U.S. Highway 270 and includes the town of Gowen.

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TRACT 2. 5N,17E, Sec. 2,3,10
         6N,17E, Sec. 34   960 Acres
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This tract is located two miles north of U.S. Highway 270 on the Pittsburg County line and includes the town of Drumb.

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TRACT 3. 5N,17E, Sec. 1
         6N,17E, Sec. 36   900 Acres
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This tract is located two miles north of U.S. Highway 270 and two miles east of the Pittsburg County line. The tract consists of rolling hill grassland /woodlands and includes a large pond/reservoir and associated riparian vegetation on the southwest edge.

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TRACT 4. 5N,18E, Sec. 13
            19E, Sec. 18   120 Acres
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This flat to rolling grassland tract is located one mile southwest of the town of Wilberton.

TRACT 5. 5N,21E, Sec. 8 80 Acres

This tract is located three miles southwest of the town of Red Oak. The tract consists of rolling hill woodlands and includes portions of the floodplain and a large riparian vegetation zone on Bandy Creek.

TRACT 6. 5-6N,18-22E, app. 44,800 Acres

This large contiguous tract stretches 29 miles east from the town of Chilli along both sides of U.S. Highway 270 through and including the towns of Wilberton, Panaola and Red Oak to the Le Flore County line. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal

fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

Tracts 3-6 within Latimer County would be available for lease. ORA-1 and ORA-2 would apply to tracts 5 and 6. ORA-2 would apply to tract 3. Coal protection stipulation NM-10 would apply to tracts 3-6. Tracts 1 and 2 would not be available for lease. Tract 4 would be available under STC. All tracts in Latimer County would also be subject to LN-1, due to documented occurrence of the American Burying Beetle (refer to Table 3-2 for species information).

LE FLORE COUNTY

TRACT 1. 5-7N,22-25E, app. 37,700 Acres

This large contiguous tract stretches from the Latimer County line east northeast approximately 25 miles through and including the towns of Fanshawe, Caston, Wister and to the town of Poteau. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

TRACT 2. 5-6N,25-27E, app. 30,000 Acres

This large contiguous C shaped tract stretches from the Arkansas State line west through the town of Monroe on both sides of State Highway 83 to the town of Howe then east southeast through portions of the town of Heavener and along the north of State Highway 128 to the Arkansas State line. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas.

TRACT 3. 7-8N,23-24E, app. 8,900 Acres

This large contiguous tract is located south of State Highway 31 from the Latimer County line east approximately 11 miles. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

TRACT 4. 8N,24-25E, app. 3,500 Acres

This large contiguous tract is located three miles northwest of the town of Poteau and stretches east to west five miles. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

TRACT 5. 8N,26-27E, app. 6,000 Acres

This large contiguous tract stretches east to west ten miles from the town of Rock Island to the northeast of the town of Poteau. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

TRACT 6. 8-9N,24-27E, app. 21,000 Acres

This large contiguous tract stretches east from the town of Bokoshe along State Highway 31 approximately 19 miles through the town of Pocola. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

TRACT 7. 9N,24E, app. 6,000 Acres

This large tract stretches northeast from the Haskell County line approximately six miles and crosses U.S. Highway 59. The tract is contiguous with Haskell County tract 16. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

TRACT 8. 8N,23E, Sec. 1-5,7,8,9 app. 2,640 Acres

This large tract stretches northeast from one mile north of State Highway 31 at the Haskell County line approximately five miles to the Haskell County line. The tract is contiguous with Haskell County tract 16. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas.

Tracts 1-8 within Le Flore County would be available for lease. ORA-1 and ORA-2 would apply to all tracts. Coal protection stipulation NM-10 would apply to tracts 15-17. The remainder would be available under STC. All tracts in Le Flore County would also be subject to LN-1, due to documented occurrence of the American Burying Beetle and several Federal Category 1 candidate species in this county (refer to Table 3-2 for species information).

LINCOLN COUNTY

TRACT 1. 12N,2E, Sec. 31 10 Acres
TRACT 2. 12N,2E, Sec. 32 40 Acres

Tracts 1 and 2 are located in the South Canadian River two miles southeast of the town of Midway. The South Canadian River bottom and floodplain support wetlands. These tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom.

TRACT 3. 14N,4E, Sec. 19 10 Acres
TRACT 4. 14N,3E, Sec. 13 10 Acres
TRACT 5. 14N,3E, Sec. 14 10 Acres
TRACT 6. 14N,2E, Sec. 14 10 Acres
TRACT 7. 14N,2E, Sec. 10 5 Acres
TRACT 8. 14N,2E, Sec. 9 30 Acres

Tracts 3 through 8 are located in the North Canadian River from two miles east of the Oklahoma County line to one mile south of the town of Chandler. All tracts are in the floodplain, and all support wetlands. The river bottom varies in width from approximately an eighth of a mile two one-half mile wide in places.

TRACT 9. 15N,2E, Sec. 21 160 Acres

This tract is located two miles north east of the town of Falls. The tract is rolling hill grass/woodlands and contains portions of a large reservoir (20 acres) on an unnamed tributary of Bear Creek.

TRACT 10. 15N,2E, Sec. 12 80 Acres

This tract is located two miles south west of the town of Carney. The tract is rolling hill grass/woodlands and contains portions of an unnamed intermittent tributary of Belleow Creek. An oil pipeline pumping station is located on the east end of the tract.

All tracts in Lincoln County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1 through 8. ORA-2 would apply to tract 9. The remainder would be available under STC.

LOGAN COUNTY

TRACT 1. 16N,4W, Sec. 19 40 Acres
TRACT 2. 16N,4W, Sec. 1 100 Acres
TRACT 3. 17N,2W, Sec. 21 30 Acres

Tracts one through three are located on the Cimarron River from the Kingfisher County line to north of the Town of Guthrie. All tracts are in the floodplain, and all support wetlands. These tracts contain cottonwood willow woodlands with an understory of scattered juniper trees and grass. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom. The river bottom varies in width from approximately a quarter mile two over two miles wide.

TRACT 4. 19N,2W, Sec. 2 160 Acres

Tract four is located within the town of Orlando.

Tracts one through three would be available for lease. ORA-1 and ORA-2 would apply to these tracts. Tract four would not be available.

MAJOR COUNTY

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TRACT 1. 20N,10W, Sec. 25   40 Acres
TRACT 2.          Sec. 25 & 26
                            160 Acres
TRACT 3.          Sec. 23   40 Acres
TRACT 4.          Sec. 14,23,24
                            320 Acres
TRACT 5.          Sec. 10   40 Acres
TRACT 6.          Sec. 3    40 Acres
TRACT 7.          Sec. 4   120 Acres
TRACT 8.  21N,10W, Sec. 29  40 Acres
TRACT 10.         Sec. 19,20,29,30
                            360 Acres
TRACT 11. 21N,11W, Sec. 10,11,14,23,24
                            960 Acres
TRACT 12.         Sec. 22   60 Acres
TRACT 14. 21N,12W, Sec. 1   80 Acres
TRACT 15. 22N,12W, Sec. 23,24,25
                            280 Acres
TRACT 16.         Sec. 15   40 Acres
TRACT 17.         Sec. 9   360 Acres
TRACT 18.         Sec. 5,8 80 Acres
TRACT 19.         Sec. 8    40 Acres
TRACT 20.         Sec. 7   160 Acres
TRACT 26. 22N,13W, Sec. 11     40 Acres
TRACT 27.         Sec. 10,13 120 Acres
TRACT 28.         Sec. 9      20 Acres
TRACT 29.         Sec. 17    160 Acres
TRACT 97. 23N,15W, Sec. 22,27  60 Acres
TRACT 98.         Sec. 22     80 Acres
TRACT 99.         Sec. 7,8    80 Acres
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Tracts 1-8, 10-12,14-20,26-29,and 97-99 are located on the Cimarron River from the Blaine County line northwest to the Woods County line. These tracts can be described as a cross section from north to south consisting of rolling hill grasslands grading to scattered sandplum, grassland dunes, to a treed riparian zone of cottonwood/willow woodlands with an understory of scattered juniper trees of approximately 50 to 250 meters, a braided sandy streambed approximately 50 to 100 meters wide, openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom, a treed southside riparian zone of approximately 50 to 200 meters, a wetland/grassland approximately 500 to 600 meters in width grading to salt ceder, sagebrush, sandplum covered sand dunes. All tracts are in or contain the floodplain, and all support wetlands.

TRACT 9. 21N,10W, Sec. 27 40 Acres

This tract is located approximately 4 miles west of the town of Ames and consists of rolling hill upland with oakbrush and oak thickets interspersed with sage, grasslands.

TRACT 13 21N,11W, Sec. 4 80 Acres

This tract is located 5 miles northeast of the town of Fairview north of the Cimarron River. The tract consists of upland sand dune with scattered oaks, sand plum and sagebrush.

TRACT 21. 22N,12W, Sec.4 40 Acres

Tract 21 is located 3 miles west of the town of Cleo Springs. The tract consists of upland sand dune with scattered oaks, sand plum, sagebrush and bluestem.

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TRACT 22. 22N,13W, Sec. 23 40 Acres
TRACT 23.                  40 Acres
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Tracts 22 and 23 are located 6 miles east of the community of Cheyenne Valley 1/4 mile north of U.S. Highway 412. The tracts are both flat grassland on the south and cultivated wheat field on the north.

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TRACT 24. 22N,13W, Sec. 14 40 Acres
TRACT 25.                  40 Acres
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Tracts 24 and 25 are located 6 miles east of the community of Cheyenne Valley 1 and 1/4 mile north of U.S. Highway 412. Both tracts are flat, 24 is a grassland with scattered mesquite while 25 is a wheat field.

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TRACT 30. 22N,13W, Sec. 21  40 Acres
TRACT 31.          Sec. 21,22
120 Acres
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Tracts 30 and 31 are located 4 miles east of the community of Cheyenne Valley north of U.S. Highway 412. The tracts are both flat, grassland with scattered mesquite and juniper.

TRACT 32. 22N,13W, Sec. 27 280 Acres

Tract 32 is located 5 miles east of the community of Cheyenne Valley 1/4 mile south of U.S. Highway 412. The tract consists of a small butt/mesa approximately 2 miles north-south by 1 mile east-west. The top of the mesa is a grassland with scattered junipers, the sides are eroded with numerous gullies and erosion canales. The Federal tract grades to a grassland on the east of the mesa to a cultivated wheat field.

TRACT 33. 21N,13W, Sec. 4 80 Acres

Tract 33 is located 4 miles east of the community of Cheyenne Valley approximately 2 miles south of U.S. Highway 412. The tract consists of an upland grassland with scattered mesquite and junipers.

TRACT 34. 21N,13W, Sec. 27 40 Acres

This tract is located 3 and 1/2 miles north of the town of Cedar Springs. The tract consists of an upland grassland.

TRACT 35. 21N,13W, Sec. 22,27 80 Acres

This tract is located 4 miles north of the town of Cedar Springs. The tract consists of a rolling hill upland grassland with scattered junipers.

TRACT 36. 21N,13W, Sec. 20 40 Acres

This tract is located 4 miles north of the town of Dane. The tract consists of a rolling hill upland grassland with scattered mesquite and junipers.

TRACT 37. 21N,13W, Sec. 18 80 Acres

This tract is located 5 miles north of the town of Dane. The tract consists of a rolling hill upland grassland with scattered mesquite and junipers.

TRACT 38. 20N,13W, Sec. 22 40 Acres

This tract is located 1 and 1/2 miles south of the town of Cedar Springs. The tract consists of a rolling hill upland grassland with scattered junipers. A small intermittent drainage with scattered willows runs north to south-east across this tract

TRACT 39. 21N,13W, Sec. 6 80 Acres

This tract is located 7 miles north of the town of Dane. The majority of the tract is a cultivated wheat field.

TRACT 40. 21N,14W, Sec. 11,12 400 Acres

This tract is located 4 miles south of the town of Cheyenne Valley. The tract consists of a small butt/mesa. The top of the mesa is a grassland with scattered junipers, the sides are eroded with numerous gullies and erosion canales.

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TRACT 41. 21N,14W, Sec. 10  40 Acres
TRACT 42.          Sec. 14  40 Acres
TRACT 43.          Sec. 22  40 Acres
TRACT 44.          Sec. 21  40 Acres
TRACT 45.          Sec. 20,21  80 Acres
TRACT 46.          Sec. 18 40 Acres
TRACT 47.          Sec. 3,4,10
520 Acres
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Tracts 41-47 are located 4 miles southwest of the town of Cheyenne Valley. The tracts consists of rolling hill grasslands with small butte/mesas. The top of the mesas are grassland with scattered sagebrush and junipers, the sides are eroded with numerous gullies and erosion canals. Tract 45 contains a small intermittent drainage.

TRACT 48. 21N,14W, Sec. 5 160 Acres

located 4 miles southwest of the town of Cheyenne Valley, this grassland tract sets at the base of three mesas. The tract contains numerous intermittent drainages feeding a large (40-50 acre) pond the south portion of which is on the tract.

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TRACT 49. 21N,14W, Sec. 6,7 200 Acres
          15W, Sec. 1  160 Acres
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This tract is located 5 miles southwest of the town of Cheyenne Valley. The majority of this grassland tract is a small steep sided mesa split by the county road.

TRACT 50. 21N,14W, Sec. 1 40 Acres

This tract is located 5 miles southwest of the town of Cheyenne Valley. This grassland tract is a small mesa top with an intermittent drainage on the east half.

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TRACT 51. 21N,15W, Sec. 1 320 Acres
          22N,15W, Sec. 36 320 Acres
          21N,16W, Sec. 2  280 Acres
          22N,16W, Sec. 35 240 Acres
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This tract is located approximately 3 miles east of the community of Sherman. This large tract consists of rolling hill grassland bisected by Griever Creek and several small intermittent drainages vegetated with junipers. Small wetlands containing cottonwoods and willows are scattered down Griever Creek.

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TRACT 52. 22N,15W, Sec. 30 40 Acres
TRACT 53. 22N,15W, Sec. 29 40 Acres
TRACT 54. 22N,15W, Sec. 22 40 Acres
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These tracts are located approximately 4 miles east of the community of Sherman. All three tracts are situated on the northwest slope of a large mesa and contain badlands type topography and associated sage, yucca and grass.

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TRACT 55. 21N,16W, Sec. 4  40 Acres
TRACT 56.          Sec. 15 40 Acres
TRACT 57.          Sec. 15 40 Acres
TRACT 58.          Sec. 23  40 Acres
TRACT 59.          Sec. 26  40 Acres
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Tracts 55-59 are located from 4 to 7 miles north of the town of Chester in rolling hill grassland type. Tract 55 is bisected by U.S. Highway 281 and has a small Juniper stand on the east side. Tract 56-59 contain small

drainages in addition to the grassland type. The drainages contain oaks, willows, junipers and grasses. Tract 59 contains portions of a wetland on Middle Griever Creek.

TRACT 60.	20N,16W,	Sec. 34	40 Acres
TRACT 61.		Sec. 34	40 Acres
TRACT 62.		Sec. 28	40 Acres
TRACT 63.		Sec. 28	40 Acres
TRACT 64.		Sec. 19	40 Acres

Tracts 60-64 are situated on the North Canadian River from the Woodward County line to the Blain County line north of the intersection of U.S. Highways 281 and 270. The North Canadian River is a rather narrow stream and supports a narrow and limited riparian zone in this area. A streamside growth of cottonwoods, willows and other riparian associated species is less than 100 meters wide and is bordered by active cultivation (wheat).

TRACT 65.	22N,16W,	Sec. 21	120 Acres
TRACT 66.		Sec. 7	80 Acres
TRACT 67.		Sec. 3	40 Acres
TRACT 68.		Sec. 3	40 Acres

These tracts are located from 1 to 3 miles southwest of the Intersection of U.S. Highways 281 and 412. These tracts are rolling hill grasslands with scattered junipers and support a thick juniper/hardwood brush woodland in the drainages.

TRACT 69.	22N,16W,	Sec. 12	40 Acres
TRACT 70.	15W,	Sec. 18	40 Acres
TRACT 71.		Sec. 8	40 Acres
TRACT 72.	16W,	Sec. 1	40 Acres
TRACT 73.	15W,	Sec. 6	40 Acres
TRACT 74.		Sec. 21	80 Acres
TRACT 75.		Sec. 21	40 Acres
TRACT 76.		Sec. 20	80 Acres
TRACT 77.		Sec. 14	320 Acres
TRACT 78.		Sec. 11	40 Acres
TRACT 79.		Sec. 25	40 Acres
TRACT 80.		Sec. 24	80 Acres
TRACT 81.	14W,	Sec. 30,32	80 Acres
TRACT 82.		Sec. 19	40 Acres
TRACT 83.		Sec. 21	40 Acres
TRACT 84.		Sec. 28,29	320 Acres
TRACT 85.		Sec. 15	160 Acres
TRACT 86.		Sec. 27	40 Acres
TRACT 89.		Sec. 17	40 Acres
TRACT 90.		Sec. 5,6,8	320 Acres
TRACT 91.		Sec. 7	40 Acres
TRACT 92.		Sec. 7	200 Acres
TRACT 93.	15W,	Sec. 1	80 Acres

These tracts are located up to four miles south of U.S. Highway 412 and east of the Intersection of U.S. Highways 281 and 412 to the community of Cheyene Valley. All tracts are situated on the west or northwest slopes of small mesas and/or rolling hills slopes of mesas. The tracts consist of badlands type topography and associated sage, yucca mesquite and grass. Drainages support thick juniper/hardwood/brush woodlands. Tract 84 is entirely within the Major County Public Hunting Area. All or portions of tracts 84, 86 and 90 are owned by ODWC.

TRACT 87.	22N,14W,	Sec. 14	80 Acres
TRACT 88.		Sec. 11	40 Acres

These tracts are located two miles north and west of the community of Cheyene Valley, north of U.S. Highway 412. The tracts are flat to rolling with scattered grass and mesquite and a badlands type appearance.

TRACT 94.	23N,15W,	Sec. 34	40 Acres
TRACT 95.		Sec. 34	80 Acres
TRACT 96.		Sec. 28,	120 Acres
TRACT 100.		Sec. 28	120 Acres
TRACT 101.		Sec. 32	80 Acres
TRACT 102.		Sec. 32,	40 Acres
TRACT 103.		Sec. 29,30,31	
240 Acres			
TRACT 104.	16W,	Sec. 25	160 Acres
TRACT 105.		Sec. 14	40 Acres
TRACT 106.		Sec. 23	280 Acres
TRACT 107.		Sec. 26	40 Acres
TRACT 108.		Sec. 14	80 Acres
TRACT 109.		Sec. 9	40 Acres
TRACT 110.		Sec. 21	160 Acres
TRACT 111.		Sec. 27	80 Acres
TRACT 112.		Sec. 4	40 Acres
TRACT 113.		Sec. 5	80 Acres
TRACT 114.		Sec. 7	40 Acres
TRACT 115.		Sec. 19	40 Acres
TRACT 116.		Sec. 19,20	160 Acres
TRACT 117.		Sec. 30	40 Acres

These tracts are located up to 4 miles north of U.S. Highway 412 and from 1 to 4 miles on both sides of the Intersection of U.S. Highways 281 and 412. All tracts are situated on the slopes of small mesas and/or rolling hills slopes of mesas or are small mesas or the flat to rolling areas between mesas. The tracts consist of badlands type topography and associated sage, yucca, mesquite and grass. Drainages support thick juniper/hardwood/brush woodlands. Tract 109,112,113 contain portions of wheat fields. Tracts 95 and 96 are adjacent to Pollution Control Incorporated Lone Mountain Hazardous Waste Facility.

All tracts in Major County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1-8,10-12,14-20,26-29,60-64 and 97-99. ORA-2 would apply to tracts 48,51, and 59. ORA-3 would apply to tract 84 from September 1 through May 31 each year to avoid the peak recreational season for this ODWC managed public hunting area. LN-1 would apply to tracts 1-8, 10-12, 14-20, 26-29, and 97-99 due to the occurrence of the

interior least tern and the Arkansas River Shiner associated with the Cimarron River (refer to Table 3-2 for species information). LN-2 would apply to tracts 84, 86 and 90.

MAYES COUNTY

TRACT 1. 21N,18E, Sec. 6 20 Acres

Urbanized, street with houses on both sides, associated out buildings.

TRACT 2. 23N,20E, Sec. 25&26 130 Acres

This tract is located within the town of Pensacola. The tract consists of bottom land pasture (hayed) with a riparian zone along the Neosho River. Houses and out buildings as well as several ponds are located on the north edge of the tract.

TRACT 3. 23N,20E, Sec. 24 220 Acres

This tract is located on the east edge of the town of Pensacola and is split by State Highway 28. The tract consists of pasture grass cross fenced and heavily grazed.

All 3 tracts within Mayes County would not be available for lease.

McCLAIN COUNTY

TRACT 1. 9N,4W, Sec. 17 60 Acres

This tract is situated four miles southwest of the South Canadian River adjacent to and south east of U.S. Interstate 44. The tract consists of a rolling woodland/ shrub, grassland with thick vegetation in the drainage.

TRACT 2. 6N,4W, Sec. 29 80 Acres

This tract is located four miles south of the town of Dibble. The tract consists of rolling to flat grassland, pasture.

TRACT 3. 6N,4W, Sec. 31 100 Acres

This tract is located five miles south of the town of Dibble. The tract consists of rolling to flat grassland, pasture with a small scattered woodland on the west edge.

All tracts in McClain County would be available for lease with STC.

McCURTAIN COUNTY

TRACT 1. 8S,23E, Sec. 16 80 Acres

This tract is located four miles southwest of the town of Idabel on county road # E2175. The tract has a perennial stream crossing north to south on the west 20 acres portion. The riparian zone of hardwoods and associated understory extends approximately fifty meters along both sides of the stream. A pine tree plantation of approximately 20 acres is situated between the riparian zone on the west and a highly developed poultry farm on the eastern portion of the tract.

TRACT 2. 8S,23E, Sec. 14 160 Acres

This tract is located three miles southwest of the town of Idabel one mile east of tract 1. Rolling hills dominate the topography of this quarter section, the hills slope toward the center of the tract with pond located in the center. The draws leading to the pond are vegetated with hardwoods and shrubs while the slopes are covered with grass. Scattered trees give this tract a savanna like appearance. Houses are located in the SW and SE.

TRACT 3. 1S,22E, Sec. 4 80 Acres
TRACT 4. 1S,22E, Sec. 5 80 Acres
TRACT 5. 1S,22E, Sec. 6 40 Acres

These tracts are located seven miles north of the community of Pickens in the Northwest corner of McCurtain County. These tracts are located on steep slops on the sides of a mountain. These tracts are covered with second (third??) generation pine trees in a private plantation forest.

All tracts within McCurtian County would be available for lease. ORA-2 would apply to tract 1. The remainder would be available under STC.

McINTOSH COUNTY

TRACT 1. 11N,17E, Sec. 25 160 Acres

This tract is located three miles north of the community of Texanna at the upper end of the Duchess Creek Wildlife Management Area of Lake Eufaula. The tract consists of a flat improved pasture/hay field with four small trees scattered.

TRACT 2. 11N,18E, Sec. 17 80 Acres

This tract is located two miles south of U.S. Interstate Highway 40 on a drainage of Mud Creek, a tributary of

the Duchess Creek Wildlife Management Area of Lake Eufaula. The tract consists of rolling hills bisected by the drainage. The tract is a native grassland with woodlands on the ridge above the drainage and a woodland in the drainage itself. A house is located on the western edge of the property.

TRACT 3. 11N,18E, Sec 14 100 Acres

This tract is located approximately two miles southwest of the intersection of U.S. Interstate Highway 40 and U.S. Highway 266. The tract is a relatively flat cultivated field (grass ?) with a small drainage coursing through. The drainage contains cottonwood trees scattered every 50 meters.

TRACT 4. 12N,15E, Sec. 14 80 Acres

This tract is located on U.S. Highway 266 approximately three miles west of the intersection with State Highway 72. The tract is heavily developed with houses, barns and outbuildings.

TRACT 5. 10N,15E, Sec. 27 80 Acres

This tract is located off Stidham Road two miles north of the State Highway 9 Intersection. This tract is bisected by Coon Creek, a perennial stream, The tract is predominately a cultivated grass land, however, a large (100 meters on both sides of creek), riparian zone of cottonwoods, Willows, Oaks, Junipers and associated under story shrubs occurs along the creek.

All tracts within McIntosh County would be available for lease. ORA-2 would apply to tract 5. ORA-3 season of use restrictions to protect the wildlife management area would apply to tracts 1 and 2.

MURRAY COUNTY

TRACT 1. 1N,1E, Sec. 13 160 Acres.

Located approximately four miles north of Davis, this Washita River tract consists of bottom land Bermuda grass with scattered Pecan trees, almost a park like appearance. A house and barn as well as several out buildings are located in the NE corner.

TRACT 2. 1S,2E, Sec. 7 70 Acres

Approximately two miles south of Davis, split by US Highway 77, this tract contains commercial and housing developments. The non-developed portions are flat land covered with bermuda grass with a few scattered hardwoods.

TRACT 3. 1N,2E, Sec. 22 & Sec. 23 240 Acres

This tract consisting of two contiguous parcels of 160 acres in section 22 and 80 acres in section 23 is located approximately two miles East and three miles North of the city of Davis. The tract has a Savanna type aspect with a ground cover of bermuda grass with scattered deciduous trees. Two small ponds are located in the northeast corner of the section 22 portion and one pond is located in the northwest of the section 23 part. Section 22 part contains an active tank battery.

TRACT 4. 2N,2E, Sec.24, 2N,3E, Sec.19 60 Acres

Located four miles west of U.S. Highway 177 and nine miles north of the city of Sulphur, this tract consists of two contiguous parcels in two sections. The tract is approximately one half mile from the nearest access road and is situated in rough terrain. Surface topography consists of broken hills bisected by a perennial stream bed. The hill sides sloping into the stream are somewhat eroded with several gullies but the surface is covered with oak/hickory woodlands and the stream bed is vegetated wetland type species, (cattails etc...).

TRACT 5. 1N,3E, Sec.2 40 Acres

Situated five miles north of the city of Sulphur on U.S. Highway 177, this tract contains a house and outbuildings along the road. The parcel is a savanna type, slopes to the east and is covered with bermuda grass and scattered hardwoods.

TRACT 6. 1S,3E, Sec. 21,22,23 980 Acres

This tract adjacent to Chickasaw National Recreation Area is three miles south of the city of Sulphur on U.S. Highway 177. The tract is covered with a hardwood forest with native grass meadows and is bisected by several live streams with associated wetlands. Developments on this tract include a golf course, mobile home parks, and a housing development of two acre lots.

TRACT 7. 1S,3E, Sec. 30,31, 80 Acres

This Hardwood tract is situated on the Southwest side of the Chickasaw National Recreation Area along State Highway 110 about two miles north of the town of Dougherty. Developments on this tract include houses and roadside businesses.

All tracts within Murray County would be available for lease. ORA-1 and ORA-2 would apply to tract 1. ORA-2 would also apply to tracts 4 and 6.

MUSKOGEE COUNTY

TRACT 1. 15N,15E, Sec. 4 40 Acres

Located three miles west of the town of Haskel, this upland tract is dominated by native grass with 3-4 scattered deciduous trees. The tract is gently sloping to the southeast.

TRACT 2. 15N,17E, Sec. 33 160 Acres

This tract is located one mile south of the town of Taft and two miles west of the city of Muskogee on U.S. Highway 62/64. The tract is cleared bottom land under cultivation. A house with barn and out buildings is situated in the northwest corner while the Union Pacific Railroad cuts through the northeast corner. Small wetlands are associated with the railroad as well as a small pond in the southeast corner of the tract.

TRACT 3. 15N,18E, Sec. 3. 80 Acres

This tract is located one mile north of the city of Muskogee in the Arkansas river floodplain. The tract is cultivated bottom land.

TRACT 4. 15N,18E, Sec. 13 130 Acres

Located within the city of Muskogee, this tract is urbanized.

TRACT 5. 15N,19E, Sec. 7&8 160 Acres

This tract is located within the Arkansas River floodplain within the Port of Muskogee industrial area. the tract is cultivated bottom land.

TRACT 6. 15N,19E, Sec. 4&9 180 Acres

This tract is located on the north side of the Arkansas River at the confluence with the Neosho. The majority of the tract is within the city limits of Muskogee. The tract contains a steep Oak-Hickory woodland covered hill sloping to bottom land floodplain.

TRACT 7. 15N,19E, Sec. 9&10 80 Acres

This tract is located on the south side of the Neosho River at the confluence with the Arkansas River. The majority of this tract is within the city limits of Muskogee while the remainder is within the limits of the town of Fort Gibson. The tract consists of bottom land deciduous hardwood forest.

TRACT 8. 11N,20E, Sec. 6 80 Acres

This tract is located one mile south of U.S. Interstate Highway 40 four miles east of State Highway 2. The east portion of the tract contains a barn and a 1-2 acre pond. A small riparian zone below the pond contains shrubs and trees. A 2-21/2 acre pond with associated cattails and wetland type vegetation is situated on the western portion of this tract. The remainder is heavily grazed native grass. A power line crosses north to south on the western edge of the tract. (Large numbers of ducks and geese, shorebirds as well as two coyotes were observed).

TRACT 9. 12N,19E, Sec. 35 80 Acres

This rye grass hay field with scattered trees below a small pond, sheds and a cross fence is located one mile east of the intersection of U.S. Highway 266 and State Highway 2 southeast of the town of Warner.

TRACT 10. 10N,19E, Sec. 21 80 Acres.

This tract is located three miles southwest of the town of Porum on State Highway 71. The tract consists of both riparian and upland vegetation. The upland includes large oaks, hickories, sycamores, pines and junipers with a shrubby under story while willows and cottonwood trees appear to dominate the riparian zone.

TRACT 11. 13N,16E, Sec. 16 80 Acres

This tract is located two miles west of the town of Wainwright on a paved county road that connects to U.S. Highway 62 at the State Highway 72 intersection. This upland tract is a north facing gentle slope covered in a bluestem grassland. A small pond and associated riparian zone are located on the northern portion.

TRACT 12. 14N,16E, Sec. 31 40 Acres

Overgrazed grassland with houses, barns small pond all within the town of Boyton.

Tracts 4-7 and 12 would not be available for lease. All remaining tracts within Muskogee County would be available for lease. ORA-1 and ORA-2 would both apply to tract 2. ORA-1 would apply to tract 3. ORA-2 would apply to tracts 8 and 10. All tracts in Muskogee County would also be subject to LN-1, due to the known occurrence of the American Burying Beetle in this county (refer to Table 3-2 for species information).

NOBLE COUNTY

TRACT 1. 20N,1E, Sec. 31 377.32 Acres

This tract is located two and a half miles north and two miles east of the intersection of State Highways 51 and 86 and is one quarter mile north of Lake Carl Blackwell. The tract has moderately rolling hills, heavily bisected by intermittent drainages. Hilltops are upland native grass pasture with transitional plant communities progressively becoming dense riparian zones/woodland along the drainages.

TRACT 2. 20N,1E, Sec. 32 560 Acres

This tract is located three miles north and three miles east of the intersection of State Highways 51 and 86. The tract has moderately rolling hills heavily bisected by intermittent drainages. The western portion has upland native grass pasture on the hilltops with transitional plant communities progressively becoming dense riparian zones/woodland along the drainages. The eastern portion is dense woodland. A small cemetery is located in the extreme southeast corner of this tract and an arm of Lake Carl Blackwell covers much of the remaining southeast quarter.

TRACT 3. 20N,1E, Sec. 33 588 Acres

This tract is located three miles north and four miles east of the intersection of State Highways 51 and 86. It is approximately one half mile northeast of Lake Carl Blackwell and one quarter mile west of Lake McMurtry. The tract has moderately rolling hills bisected by intermittent drainages with dense riparian zones/woodland. The western portion has native grass pasture and improved pasture. The eastern portion has cultivated hay fields with small scattered woodlots.

TRACT 4. 23N,2E, Sec. 12 40 Acres

This tract is located eight miles east and two miles north of Red Rock, Oklahoma. The tract has gently rolling hills with upland native grass pasture.

TRACT 5. 23N,2W, Sec. 2 39.36 Acres

This tract is located three miles east and two miles south of Billings, Oklahoma. The tract is a flat upland cultivated field (wheat) with an intermittent bermuda grass improved drainage adjacent to the east side.

TRACT 6. 24N,1E, Sec. 19 76.74 Acres

This tract is located five miles west and one half mile south of Marland, Oklahoma. The tract is a gently sloping upland cultivated field (wheat).

TRACT 7. 24N,1E, Sec. 6 71.3 Acres

This tract is located approximately two miles north and five miles west of Marland, Oklahoma. The tract is a flat native grass pasture bisected by a perennial tributary of Birds Nest Creek and has a stock pond located in the approximate center of the north half of the tract. The tributary supports a very limited grass riparian zone (10 meters).

TRACT 8. 24N,1E, Sec. 3 3.23 Acres

This tract is located approximately two miles north and two miles west of Marland, Oklahoma. The tract is riparian to the Salt Fork of the Arkansas River and has dense riparian vegetation and woodland.

All tracts within Noble County would be available for lease. ORA-1 and ORA-2 would apply to tract 8. ORA-2 would apply to tracts 2 and 7. The remainder would be available under STC.

OKLAHOMA COUNTY

There are 15 tracts containing 26 acres within Oklahoma County, all are river tracts in either the Deep Fork or the North Canadian river. All are within the city limits of either Oklahoma City, Luther, Harrah or Jones.

These tracts would not be available for lease except as a result of drainage determinations. If drainage occurs ORA-1, ORA-2 and ORA-4 (NSO) would apply.

OKMULGEE COUNTY

TRACT 1. 14N,12E, Sec. 1 40 Acres

This tract is located one mile north of the community of Preston. The tract is a heavily wooded hillside adjacent to the Oklahoma Methodist Indian Mission. The dominate vegetation consists of oak/hickory, sumac and other brush with a bluestem under story.

This tract would be available for lease under STC.

PAWNEE COUNTY

TRACT 1, 20N, 9E, Sec.23, 98 acres.

This tract is located 3 miles south, and 1 mile east of Pawnee, OK. This tract is described as being occupied by a residence, and 3 loafing sheds. It is bounded on the north by Cow creek, and the rest is in pasture.

TRACT #2, 20N, 9E, Sec.24, 10 acres.

This tract is located medial to and is inundated by the Arkansas river arm of Lake Keystone.

TRACT #3, 21N, 5E, Sec.16, 8 acres.

This tract is inundated by Keystone Reservoir.

TRACT #4, 21N, 9E, Sec.32, 160 acres.

This tract is inundated by Keystone Reservoir.

Tract 1 would be available leasing subject to ORA-2. Tracts 2-4 are under the jurisdiction of the COE.

PAYNE COUNTY

TRACT 1. 20N,3E, Sec 14 160 Acres

This tract is located approximately 1/2 mile S, and 2 miles West of Glencoe, Oklahoma. The tract consists of gently rolling, upland pasture, partially planted in alfalfa and part in native grasses. Note: Active railroad right-of-way cuts diagonally across the NWNW/4 from NE to SW.

TRACT 2. 20N,4E, Sec 30 160 Acres;

This tract is located approx. 2 1/2 miles S of Glencoe, Oklahoma on the east side of HWY #108. The tract consists of tilled pasture land being actively grazed, and which is bisected north to south by a heavily wooded riparian area.

TRACT 3. 19N,6E, Sec. 12 40 Acres

This tract is located 1 mile north of HWY 51, and 5 miles east of Yale, OK. The tract consists of gently rolling, upland, fallow agricultural land with some limited harvesting of native grasses for hay.

TRACT 4. 18N,4E, Sec. 17 1 Acres

This tract is located approximately 1 mile north, and 1 mile east of Ripley, Oklahoma. The tract consists of prairie lowlands interspersed with bottomland hardwoods situated along a line of bluffs overlooking the Cimarron River. Note: Tract is partially submerged by the Cimarron River, and also contains several oil and gas wells (Rodgers 1 & 2).

TRACT 5. 18N,2E, Sec. 25 N2S2SWSW; 10 Acres

This tract is located approximately 1.5 miles north, and 1 mile west of Perkins, OK. The tract consists of pasture land occupied by several residential dwellings and barns bordering on state HWY #177.

TRACT 6. 18N,3E, Sec. 27 E/2 NW/4 50 Acres

This tract is located approximately 1.5 miles north and 4.25 miles east of the junction of state highway 33 and U.S. 177. The tract consists of hilly pasture land interspersed with scattered oak/juniper woodlands. Residential and farm buildings occupy various areas of the site.

TRACT 7. 17N,1E, Sec 17,lot 1, 2 Acres

This tract is located approximately 1.6 miles south of state highway 33, and 9 miles west of U.S. 177 and state highway 33 Junction. The tract consists of gently sloping bottomland washed by the Cimarron river.

TRACT 8. 17N,2E, Sec 8,Lot 9,.96 Acres

This tract is located approximately 2 miles south and 3 miles west of the junction of state highway 33 and U.S. Highway 177. The tract consists of bottomland hardwood which may or may not be flooded by the Cimarron River at certain times of the year.

TRACT 9. 19N,1W, Sec 4, SE/4 160 Acres

This tract is located approximately 2 Miles north and 1 Mile west of the junction of state HWYS' #86 and #51. The tract consists of cultivated farmland in the western 1/4, with tilled tracts interspersed with mixed hardwoods in the eastern 3/4.

TRACT 10a. 19N,1W, Sec.3 W/2W/2SW, E/2NWSE, NESE 100 Acres

This tract is located approximately 13 miles west and 2 miles north of Stillwater, OK. The tract consists of flat terrain, with mixed hardwoods with small isolated tracts of test wheat plots interspersed. The tract is part of Lake Carl Blackwell's "Stillwater Creek Management Area".

TRACT 10b. 19N, 1W, Sec. 3 E/2W/2SW, E/2E/2SW,W/2NWSE, S/2SE 180 Acres MOL

This tract is located 13 miles west and 2 miles north of Stillwater, OK. The tract consists of: see description for 10a.

TRACT 10c. 19N,1W, Sec. 3 W/2E/2SW 40 Acres

This tract is located approximately 13 miles west and 2 miles north of Stillwater, OK. The tract consists of: see 10a., description.

TRACT 11a. 19N,1W, Sec. 2 NE/4 W/2SE 80 acres

This tract is located 13 miles west and 2 miles north of Stillwater, OK. The tract consists of mixed hardwoods/juniper associations in the creek bottoms and drainages, with open areas and hilltops in grasslands.

TRACT 11b., 19N,1W, Sec. 2 E/2SE 80 acres.

This tract is located 13 miles west and 2 miles north of Stillwater, OK. This tract is described in 11a.

TRACT 11c., 19N, 1W, Sec. 2 SW/4, 160 acres.

This tract is located 13 miles west and 2 miles north of Stillwater, OK. This tract is described in 11a.

TRACT 11d., 19N, 1W, Sec. 2 Lot 1(36.84), Lot 2 36.83, S/2NE , 153.67 acres.

This tract is located 13 miles west, and 2 miles north of Stillwater, OK. This tract is described in 11a.

TRACT 12., 19N,1W, Sec.1, Lot 1(39.60), Lot 2(38.81), Lot 3(38.02), Lot 4(37.23), S/2N/2, S/2 633.66 acres This tract is located 12 miles west and 1.2 miles north of Stillwater, OK. This tract is described as Gently rolling hills with scattered hardwood associations in creek tributaries, with grasslands on the ridge tops.

TRACT 13a, 19N, 1E, Sec. 6, 381.26 acres

This tract is located 12 miles west, and .75 miles north of Stillwater, OK. This tract is described as Gently rolling hills with scattered hardwood associations in creek bottoms, with grasslands on the ridgetops.

TRACT 13b., 19N, 1E, Sec. 6, 224.63 acres

This tract is located 12 miles west, and .75 miles north of Stillwater, OK. This tract is described in 13a.

TRACT 14a., 19N, 1E,, Sec. 5, SE/4 160 acres

This tract is located 10 miles west, and 3 miles north of Stillwater, OK. This tract is described as gently rolling grasslands grading down to Lake Carl Blackwell with scattered mixed hardwoods in the creek bottoms, and grasslands on the ridgetops.

TRACT 14b., 19N,1E, Sec. 5, Lots 3(39.87), 4(39.82), S/2NW, SW 319.69 acres,

This tract is located 10 miles west, and 3 miles north of Stillwater, OK. This tract is described in 14a.

TRACT 15a., 19N, 1E, Sec. 4, Lots 1(39.65), 2(39.75), S/2NE, SW 319.40 acres.

This tract is located 9 miles west, and 3 miles north of Stillwater, OK. This tract is described as gently rolling hills with scattered hardwood associations in creek tributaries and bottoms, with grassland areas on ridgetops. One native stone block building near Camp Redlands may have historical significance.

TRACT 15b., 19N, 1E, Sec. 4, Lots 3(39.85), 4(39.95), S/2NW, NESE, S/2SE 279.80 acres

This tract is located 9 miles west, and 3 miles north of Stillwater, OK. This tract is described in 15a.

TRACT 16a.,19N, 1E Sec. 3, W/2SW 80 acres.

This tract is located 8 miles west, and 3 miles north of Stillwater, OK. This tract is described as gently rolling hills with scattered mixed hardwood associations in creek tributaries and bottoms, with grasslands on the ridgetops.

TRACT 16b., 19N, 1E, Sec. 3, W/2SW 80 acres.

This tract is located 8 miles west, and 3 miles north of Stillwater, OK. This tract is described in 16 a.

TRACT 17a, 19N, 1W, Sec.10 , 160 acres.

This tract is located 13 miles west, and 1.5 miles north of Stillwater, OK. This tract is described as hilly grasslands with scattered hardwood/juniper associations grading to flat open scattered pastures.

TRACT 17b., 19N, 1W, Sec. 10, 160 acres.

This tract is located 13 miles west, and 1.5 miles north Stillwater, OK. This tract is described in 17a.

TRACT 18a., 19N, 1W, Sec. 11, SE/4, 160 acres.

This tract is located 12 miles west, and 2 miles north of Stillwater OK. This tract is described as mainly scattered hardwoods/juniper covering hilly terrain. North half of tract is inundated by Lake Carl Blackwell.

TRACT 18b., 19N, 1W, Sec. 11, NW/4, 160 acres.

This tract is located 12 miles west, and 2 miles north of Stillwater, OK. This tract is described in 18a.

TRACT 18C., 19N, 1W, Sec. 11, NE/4, 160 acres.

This tract is located 12 miles west, and 2 miles north of Stillwater, OK. This tract is described in 18a.

TRACT 18d., 19N, 1W, Sec. 11, N/2SW, N/2S/2SW, E/2SESWSW, S/2SESW 140 acres.

This tract is located 12 miles west, and 2 miles north of Stillwater, OK. This tract is described in 18a.

TRACT 19a., 19N, 1W, Sec. 12, E/2NE 80 acres.

This tract is located 11 miles west, and 1.5 miles north of Stillwater, OK. This tract is described as being inundated by Lake Carl Blackwell.

TRACT 19b., 19N, 1W, Sec. 12, NW/4 160 acres.

This tract is located 11 miles west, and 1.5 miles north of Stillwater, OK. This tract is described in 19a.

TRACT 19c., 19N, 1W, Sec. 12, W/2SE, SESE, 120 acres.

This tract is located 11 miles west, and 1.5 miles north of Stillwater, OK. This tract is described in 19a.

TRACT 19d., 19N, 1W, Sec. 12, 200 acres.

This tract is located 11 miles west, and 1.5 miles north of Stillwater, OK. This tract is described as hilly grassland with mixed hardwoods in creek tributaries which flow into Lake Carl Blackwell.

TRACT 19e., 19N, 1W, Sec. 12, NESE, 40 acres.

This tract is located 11 miles west, and 1.5 miles north of Stillwater, OK. This tract is described in 19d, with portions inundated by Lake Carl Blackwell.

TRACT 19f., 19N,1W, Sec. 12, SWNE, 40 acres.

This tract is located 11 miles west, and 1.5 miles north of Stillwater, OK. This tract is inundated by Lake Carl Blackwell.

TRACT 20a., 19N, 1E, Sec. 7, Lots 1(30.13, 2(30.41), E/2NW, SE, 300.54 acres.

This tract is located 10 miles west, and 1 mile north of Stillwater, OK. This tract in the north 1/2 NW is described as gently rolling grassland with mixed hardwood association in the creek bottoms. The rest of the tract is inundated by Lake Carl Blackwell.

TRACT 20b., 19N, 1E, Sec. 7, Lots 3(30.68), 4(30.95), E/2SW , 141.63 acres.

This tract is located 10 miles west, and 1 mile north of Stillwater, OK. This tract in the S/2 S/2 is described as in 20a, and the rest is inundated by Lake Carl Blackwell.

TRACT 20c., 19N, 1E, Sec. 7, NE, 160 acres.

This tract is located 10 miles west, and 1 mile north of Stillwater, OK. This tract is described as in 20a., for the small portion of land that is not inundated by Lake Carl Blackwell.

TRACT 21a., 19N,1E, Sec. 8, NE, E/2SW, W/2W/2SE, 280 acres.

This tract is located 9 miles west, and 1 mile north of Stillwater, OK. This tract is described as gently rolling grassland with scattered mixed hardwoods in creek bottoms in the NW/4, and in the NWNE/4. The rest of the tract is inundated by Lake Carl Blackwell.

TRACT 21b. 19N,1E, Sec. 8, E/2W/2SE,E/2SE, 120 acres.

This tract is located 9 miles west, and 1 mile north of Stillwater, OK. This tract is inundated by Lake Carl Blackwell.

TRACT 21C., 19N, 1E, Sec. 8, NW, W/2SW, 240 acres.

This tract is located 9 miles west, and 1 mile north of Stillwater, OK. This tract is described as in 21a. for the western 2/3 of the tract, the rest is inundated by Lake Carl Blackwell.

TRACT 22., 19N, 1E, Sec. 9, ALL,
640 acres.

This tract is located 8 miles west, and 1 mile north of Stillwater,OK. This tract is described as being almost entirely submerged by Lake Carl Blackwell.

TRACT 23., 19N, 1E, Sec. 10, W/2, 320 acres.

This tract is located 7 miles west, and 1 mile north of Stillwater, OK. This tract is described as having the W/2W/2 occupied by Lake Carl Blackwell Dam and Lake. The E/2W/2 is bottomland pasture and also contains the USDA-ARS' Hydraulic lab.

TRACT 24a., 19N, 1W, Sec. 13, S/2NW ,
80 acres.

This tract is located 4.5 miles east, and .25 miles north of Interstate 35 and state Hwy 51. This tract is described as gently rolling pasture lands with scattered/mixed hardwoods generally associated with cross-timbers habitat type ecosystem.

TRACT 24b., 19N,1W, Sec. 13,N/2NW, 80 acres.

This tract is located 4.5 miles east, and .25 miles north of Interstate 35 and state Hwy 51. This tract is described as gently rolling pasture lands with scattered/mixed hardwoods generally associated with cross-timbers habitat type ecosystem.

TRACT 24c, 19N,1W, Sec.13, NE, 160 acres.

This tract is located 4.5 miles east, and .25 miles north of Interstate 35 and state Hwy 51. This tract is described as gently rolling pasture lands with scattered/mixed hardwoods generally associated with cross-timbers habitat type ecosystem.

TRACT 24d., 19N, 1W, Sec. 13, SE, 160 acres.

This tract is located 4.5 miles east, and .25 miles north of Interstate 35 and state Hwy 51. This tract is described as gently rolling pasture lands with scattered/mixed hardwoods generally associated with the cross-timbers habitat type ecosystem.

TRACT 25a., 19N, 1E, Sec. 18,
Lot 2(31.57) 31.57 acres.

This tract is located 10 miles west of Stillwater, OK. This tract is described as gently rolling hillsides covered by grasses and scattered junipers.

TRACT 25b., 19N, 1E, Sec. 18,
W2W2SE, 40 acres.

This tract is located 10 miles west of Stillwater, OK. This tract is described in 25a.

TRACT 25c., 19N, 1E, Sec. 18, Lots 3(31.88), 4(32.19), E2SW, 144.07 acres.

This tract is located 10 miles west of Stillwater, OK. This tract is described in 25a., except the E/2SW is inundated by Lake Carl Blackwell.

TRACT 25d., 19N, 1E, Sec. 18, Lots 1(31.25),
NE, E2NW, E2SE, E2W2SE, 391.25 acres.

This tract is located 10 miles west of Stillwater, OK. This tract is described in 25a.

TRACT 26a., 19N,1E, Sec. 17, E2, 320 acres.

This tract is located 9 miles west of Stillwater,OK. This tract is described as being entirely within Lake Carl Blackwell Park and Campground.

TRACT 26b., 19N, 1E, Sec. 17, W2, 320 acres.

This tract is located 9 miles west of Stillwater,OK. This tract is described in 26a.

TRACT 27a., 19N, 1E, Sec. 16, E2, 320 acres.

This tract is located 8 miles west of Stillwater, OK. This tract is located in hilly terrain with the SE/4 being the only land not inundated by Lake Carl Blackwell.

TRACT 27b., 19N, 1E, Sec.16, W2, 320 acres.

This tract is located 8 miles west of Stillwater, OK. This tract is described as being almost entirely within the limits of Lake Carl Blackwell Park, with E/2W/2 inundated by the lake.

TRACT 28a., 19N, 1W, Sec. 24, S2NE,
N2SE, S2SE, 240 acres.

This tract is bisected by state Hwy 51, beginning at a point five miles east of Interstate 35. This tract is described as gently rolling pasture lands with scattered/mixed hardwoods generally associated with cross-timbers habitat type ecosystem.

TRACT 28b., 19N, 1W, Sec. 24,
N2NE, 80 acres.

This tract is located five miles east of Interstate 35, and .25 miles north of state Hwy 51. This tract is described as gently rolling pasture lands with scattered/mixed hardwoods generally associated with cross-timbers habitat type ecosystem.

TRACT 29a., 19N, 1E, Sec. 19, Lots 1(32.56), 2(32.97), 3(33.38),4(33.79), E2W2, 292.70 acres.

This tract is located 6.5 miles East of Interstate 35 adjacent to north side of state Hwy 51. This tract is described as cross-timbers habitat type, and contains Lake Carl Blackwell Managed Hunting Area Pasture #7.
TRACT 29b.,19N,1E, Sec. 19, 80 acres.

This tract is located 6.5 miles east of Interstate 35 adjacent to north side of state Hwy 51. This tract is described as cross-timbers habitat type, and contains "Lake Carl Blackwell Managed Hunting Area Pasture #7 unit" .

TRACT 29c.,19N,1E, Sec. 19, S2NE, 80 acres.

This tract is located 6.5 miles east of Interstate 35 adjacent to north side of state Hwy 51. This tract is described as cross-timbers habitat type, and contains "Lake Carl Blackwell Managed Hunting Area Pasture #7 unit" .

TRACT 30.19N,1E, Sec. 20, 640 acres.

This tract is located from 6.5 to 7.5 miles from Interstate 35,and less than .1 mile north of state Hwy 51. This tract is described as containing mainly cross-timber woodland type habitat, and is bisected by an arm of Lake Carl Blackwell jutting down from the northeast quarter towards the center of the section.

TRACT 31a.,19N,1E, Sec. 21, W2,N2SE, 400 acres.

This tract is located 8 miles west of Stillwater, OK. This tract includes portions of Lake Carl Blackwell parkland (north of state HWY 51), as well as the OSU Fire Training School, OK Beef Inc Bull Test Station, and a radio tower (all on south side of state HWY 51). Surface consists of hilly terrain containing pasture lands, and mixed oak/juniper/pine forest areas.

TRACT 31b. 19N,1E, Sec. 21,NE,S2SE, 240 acres.

This tract is located 8 miles west of Stillwater, OK. This tract is described as being a part of Lake Carl Blackwell (NE/4) and hilly terrain containing several large barns, with the remainder in oak/juniper/pine forest.

TRACT 32a.,19N,1E, Sec. 22,W2NW,80 acres.

This tract is located approx 7.5 miles west of Stillwater, OK, and adjacent to state HWY 51. This tract is generally described a as Cross-Timbers oak/juniper/pine association.

TRACT 32b.,19N,1E, Sec. 22,E2NW, SW, 240 acres.

This tract is located approx 7.5 miles west of Stillwatter, OK, and adjacent to state HWY 51. This tract is described as Cross-Timbers oak/juniper/pine association. The southeast portion of the tract contains portions of a small reservoir.

TRACT 33a.,19N,1E, Sec. 29, N2NW, 80 acres.

This tract is located 10 miles west, and adjacent to state HWY 51 which abuts the tract on the north side. This tract is described as containing scattered open pasture and woods associated with Cross-Timbers habitat type.

TRACT 33b., 19N,1E, Sec. 29, NE, 160 acres.

This tract is located 10 miles west, and adjacent to state HWY 51 which abuts the tract on the north side. This tract is described as containing scattered open pasture and woods associated with Cross-Timbers habitat type.

TRACT 34., 19N, 1E, Sec. 28, 160 acres.

This tract is located 10 miles west of Stillwater, OK., with the northwest corner of the tract adjoining state HWY 51. This tract is described as containing mixed hardwoods associated with the Cross-Timbers habitat type.

TRACT 35a., 19N, 1E, Sec. 27, 320 acres.

This tract is located 8 miles west, and 1 mile south of Stillwater, OK. This tract is described as hilly land, densely forested with hardwoods and juniper. Some grazing use noted.

TRACT 35b., 19N, 1E, Sec. 27,
SWNE, NESE, SWSE, 120 acres.

This tract is located 8 miles west, and 1 mile south of Stillwater, OK. This tract is described in 35a.

TRACT 36a., 19N,1E, Sec. 26, E2NW, 80 acres.

This tract is located 6 miles west, and 1 mile south of stillwater, OK. This tract is described as heavily forested, hilly, with limited amounts of grazing use.

TRACT 36b., 19N, 1E, Sec. 26,
N2NE, N2S2NE, W2NW, 200 acres.

This tract is located 6 miles west, and 1 mile south of stillwater, OK. This tract is described in 36a.

TRACT 37.,19N,1E, Sec. 32, SW, 160 acres.

This tract is located 10 west miles, and 2 miles south of Stillwater, OK. This tract is described as being mainly grasslands with scattered oak and juniper.

TRACT 38.,19N,1E, Sec. 33,SESE, 40 acres.

This tract is located 8 miles west, and 2 miles south of Stillwater, OK. This tract is described as being entirely occupied on the surface by "Marena" cemetery.

TRACT 39a.,19N,1E, Sec. 34,SW 160 acres.

This tract is located 7 miles west, and 3 miles south of Stillwater, OK. This tract is described as being mainly gently rolling pasture and or grazing land.

TRACT 39b.,19N,1E, Sec. 34,E2 320 acres.

This tract is located 7 miles west, and 3 miles south of Stillwater, OK. This tract is described in 39a.

TRACT 40., 19N, 1E, Sec. 35, NE, 160 acres.

This tract is located 6 miles west, and 2 miles south of Stillwater, OK. This tract is described as being heavily forested with hardwoods and junipers, hilly.

TRACT 41a., 18N, 1E, Sec. 4,
portion Lot 4, SWNW, 80 acres.

This tract is located 9 miles west, and 2 miles south of Stillwater, OK. This tract is described as having been chemically de-forested in the past, and now is covered mainly by grasslands and dead but standing timber.

TRACT 41b., 18N, 1E, Sec. 4,
Lots 1(41.17), 2(41.12), S2NE, 169.29 acres.

This tract is located 9 miles west, and 2 miles south of Stillwater, OK. This tract is described in 41a.

TRACT 41c., 18N, 1E, Sec. 4,
SW 160 acres.

This tract is located 9 miles west, and 2 miles south of Stillwater, OK. This tract is described in 41a.

TRACT 42a., 18N, 1E, Sec. 3, Lot 1(40.20),
S2NE, 120.20 acres.

This tract is located 7 miles west, and 4 miles south of Stillwater, OK. This tract is described as being pasture/grasslands in the northern 1/4, and dense hardwood/juniper forest in the southern 3/4.

TRACT 42b., 18N, 1E, Sec. 3,
Lot 3(40.77), 4(41.05), S2NW, 161.82 acres.

This tract is located 7 miles west, and 4 miles south of Stillwater, OK. This tract is described in 42a.

TRACT 42c., 18N, 1E, Sec. 3, SW, 160 acres.

This tract is located 7 miles west, and 4 miles south of Stillwater, OK. This tract is described in 42a.

TRACT 42d., 18N, 1E, Sec. 3, SE, 160 acres.

This tract is located 7 miles west, and 4 miles south of Stillwater, OK. This tract is described in 42a.

TRACT 43a., 18N, 1E, Sec. 2, Lots 3(40.07),
4(40.06), S2NW, 161.03 acres.

This tract is located 6.5 miles west, and 3 miles south of Stillwater, OK. This tract is described as being heavily forested with juniper in the northern portion, with grasslands and interspersed hardwoods in the southern part.

TRACT 43b., 18N, 1E, Sec. 2, SW, 160 acres.

This tract is located 6.5 miles west, and 3 miles south of Stillwater, OK. This tract is described in 43a.

TRACT 43c., 18N, 1E, Sec. 2, SE, 160 acres.

This tract is located 6.5 miles west, and 3 miles south of Stillwater, OK. This tract is described in 43a.

TRACT 44., 18N, 1E, Sec.9, NW, 160 acres.

This tract is located 9 miles west, and 5 miles south of Stillwater, OK. This tract is described as being a part of Lake Carl Blackwell's "Forestry" unit, and contains dense hardwood/juniper and pine forests on hilly terrain.
TRACT 45a., 18N, 1E, Sec.10, NENW, 40 acres.

This tract is located 8 miles west, and 5 miles south of Stillwater, OK. This tract is described as being hilly, and containing dense stands of juniper which appear to be killing of the hardwood species.

TRACT 45b.,18N,1E, Sec.10, 280 acres.

This tract is located 8 miles west, and 5 miles south of Stillwater, OK. This tract is described in 45a.

TRACT 45c., 18N, 1E, Sec.10, NE, 160 acres.

This tract is located 8 miles west, and 5 miles of Stillwater, OK. This tract is described in 45a.

TRACT 46a.,18N,1E, Sec.11,E2NE,S2SE, 160 acres.

This tract is located 7 miles west, and 5 miles south of Stillwater, OK. This tract is described as being heavily forested with junipers on the ridgetops, grading to hardwoods in the creek bottoms.

TRACT 46b., 18N, 1E, Sec.11, N2SE, 80 acres.

This tract is located 7 miles west, and 5 miles south of Stillwater, OK. This tract is described in 46a.

TRACT 46c.,18N,1E, Sec.11, 160 acres.

This tract is located 7 miles west, and 5 miles south of Stillwater, OK. This tract is described in 46a.

TRACT 46d.,18N,1E, Sec. 11, S2NW, 80 acres.

This tract is located 7 miles west, and 5 miles south of Stillwater, OK. This tract is described in 46a.

TRACT 47a., 18N,1E, Sec.12, N2SE, 80 acres.

This tract is located 6 miles west, and 5 miles south of Stillwater, OK. This tract is described as being heavily forested with juniper on the ridgetops, and grading to hardwoods along the creek tributaries. The tract also contains Stillwater Cycle Park.

TRACT 47b., 18N,1E, Sec.12, 160 acres.

This tract is located 6 miles west, and 5 miles south of Stillwater, OK. This tract is described in 47a.

TRACT 47c.,18N,1E, Sec.12, E2NW, S2SE, 160 acres.

This tract is located 6 miles west, and 5 miles south of Stillwater, OK. This tract is described in 47a.

TRACT 47d.,18N, 1E, Sec.12, S2SW, 80 acres.

This tract is located 6 miles west, and 5 miles south of Stillwater, OK. This tract is described in 47a.

TRACT 48.,18N,2E, Sec.7, 79.53 acres.

This tract is located 5 miles west, and 5 miles south of Stillwater, OK. This tract is described as being hilly terrain, forested on the rigetops by junipers, and grading to hardwoods in creek bottoms.

All tracts within Payne County would be available for lease. Tracts 9 through 48 are part of the OSU research Lands and subject to OSU #1, AND OSU # 2 stipulations. ORA-1 and ORA-2 would apply to tracts 4,7, and 8. ORA-2 would apply to tracts 2,11, 13 through 16, 18 through 23, 27,30 and 47. ORA-3 (Season of Use Restrictions) would apply to all tracts in Payne County from February 15 through May 15, to protect greater prairie chickens from being disturbed while on their leks (booming grounds). Tracts 4, 7 and 8 would also be subject to LN-1 due to the occurrence of the interior least tern along the Cimarron River in Payne County (refer to Table 3-2 for species information).

PITTSBURG COUNTY

TRACT 1. 7N,13E, Sec. 8 160 Acres

This tract is located three miles north of the community of Scipio on a tributary of Scipio Creek. A house, barn garage and other out buildings are located on the NE corner of the tract, a large (2 acre) pond is located on the south. The tract is gently rolling grassland dissected by a perennial stream. The stream supports a very thick riparian zone of Cotton woods, willows, sycamores and various under story species. The riparian zone is approximately 100 meters wide on both sides of the stream. The grass land is either heavily grazed or has been mowed.

TRACT 2. 7N,15E, Sec. 21 160 Acres

This tract is located two miles north of the community of Mekko one-half mile west of U.S. Highway 69. The tract was at one time an oak-hickory woodland, at this time more than half has been cleared to improved pasture grass. The east half of the tract is a steep hill covered in oak-Hickory forest.

TRACT 3. 7N,15E, Sec. 34 40 Acres

This tract is located one mile north of the community of Mekko one-half mile east of U.S. Highway 69. The tract consists of bottom land deciduous forests to the lake shore with over half the tract within the lake.

TRACT 4. 5N,12E, Sec. 30 160 Acres

Located two miles south of the Town of Stuart on State Highway 31A, this tract contains a small cemetery on the north, a small house on the south and is wheat field and improved pasture in between.

TRACT 5. 4N,12E, Sec. 27 80 Acres

This tract is located two miles northeast of the town of Ashland. The north half contains a oak-hickory woodland and has a house and outbuildings. The south half also contains a house, is open grassland with scattered trees (5-6) two ponds and is heavily grazed.

TRACT 6. 3N,12E, Sec. 4 80 Acres

This tract is located two miles east of the town of Ashland. The tract consists of flat to rolling grassland with scattered oak trees. A pond and small house with out buildings is situated on the northeast corner.

TRACT 7. 3N,12E, Sec. 36 200 Acres

This tract is located approximately four miles southwest of the city of Kiowa. The tract consists of a band (100 meters) of oak-hickory woodland on the north along the county road with a center portion of grassland abutting a woodland along a ridge along the southern edge. Ponds on east and north as well as a small drainage through the interior grassland provide limited riparian habitat.

TRACT 8. 3-6N,12-17E, app. 58,000 Acres

This large contiguous tract stretches from where U.S. Highway 69 crosses from Atoka County line northeast approximately 25 miles through the towns of Kiowa, Pittsburg, Blanco, and Haileyville to and including the town of Hartshorne, as well as in a line along the east of the McAlester U.S. Army Ammunition Plant through the towns od Savanna, city of McAlester, towns of Krebs, Richville, Bache and Adamson to the Latimer County line. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains numerus wetlands and riparian zones.
The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

TRACT 9. 6,7N,16,17E, app. 8,000 Acres

This large contiguous tract is located south and west of the town of Blocker on the northeast of Lake Eufaula. The tract contains both leased, previously leased and nominated for lease Federal coal areas evaluated for surface mining in previous land-use-plans. The tract contains several wetlands and riparian zones. The majority of the Federal mineral estate within the eastern Oklahoma coal fields do not include oil and gas. If Federal oil and gas is nominated within this tract the New Mexico Coal Protection stipulation NM-10 requiring Coal lessee and oil and gas lessee cooperation and coordination would apply.

All tracts within Pittsburg County would be available for lease. ORA-2 would apply to tracts 3,7,8 and 9. Coal protection stipulation NM-10 would apply to tracts 8 and 9. All tracts in Pittsburg County would also be subject to LN-1, due to the documented occurrence of the American Burying Beetle (refer to Table 3-2 for species information).

POTTAWATOMIE COUNTY

TRACT 1. 5N,3E, Sec. 17,18 100 Acres
TRACT 2. 6N,3E, Sec. 35 120 Acres
TRACT 3. 6N,4E, Sec. 30 40 Acres
TRACT 4. 5N,4E, Sec. 2 40 Acres

Tracts 1 through 4 are located in the South Canadian River from south of Wanette to two miles south of Sacred Heart. The South Canadian River bottom and floodplain support wetlands. These tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom.

TRACT 5. 11N,2E, Sec. 13 20 Acres
TRACT 6. 10N,3E, Sec. 22 30 Acres
TRACT 7. 10N,4E, Sec. 13 20 Acres
TRACT 8. 11N,4E, Sec. 35 10 Acres
TRACT 9. 11N,4E, Sec. 28 100 Acres
TRACT 10. 11N,4E, Sec. 14 10 Acres

Tracts 5 through 10 are located in the North Canadian River from 2 miles east of the town of Mcloud to 1 mile north of the town of Johnson. All tracts are in the floodplain, and all support wetlands. The river bottom varies in width from approximately a quarter mile two over two miles wide in places.

Tract 11. 10N,2E, Sec. 4 80 Acres

This tract is located one mile south of Interstate 40 west and north of and adjacent to Shawnee Reservoir. The tract is rolling/hill to flat grassland with a small woodland on the south. A house and barns and outbuildings is situated on the south of the tract.

All tracts not within city limits in Pottawatomie County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1-10. Tracts 4, 7 and 8 would also be subject to LN-1 due to the occurrence of the interior least tern along the Canadian River.

PUSHMATAHA COUNTY

TRACT 1. 1S,15E, Sec. 16: 280 acres
Sec. 21: 320 acres
Sec. 28: 320 acres
Sec. 29: 40 acres Total= 960

This rather large tract of split estate land occurs along the Indian Nation Turnpike 15 miles north of Antlers, Oklahoma. The small community of Jumbo, Oklahoma occupies a small portion of the southern portion of this tract. The tract is drained by Clear and Ten Mile Creeks which both flow southeast to the Kiamichi River. The open grassland areas which contain bermuda grass, bluestem grasses and foxtail have been heavily used for livestock grazing. The upland forests present contain shortleaf pine and various oaks. Several types of wetlands are associated with the floodplains and riparian zones of the two streams. A more detailed description of these lands is available in the "Environmental Assessment for Asphalt Lease Applications OK NM 78343 and OK NM 78367" prepared by the BLM in 1989. The resulting Asphalt Lease was issued on December 1, 1989. A permit for exploratory drilling of enlarged test holes was issued by the BLM on September 9, 1991 via letter to the lessee.
NOTE: No U.S. Oil and Gas ownership.

ROGER MILLS COUNTY

TRACT 1. 12N,23W, Sec. 24 40 Acres

This tract is situated approximately five miles northeast of the town of Berlin. The tract is a rolling hill grassland with scattered sagebrush and mesquite.

TRACT 2. 12N,23W, Sec. 23 40 Acres

This tract is situated approximately five miles north of the town of Berlin. The tract is a rolling hill grassland with scattered sagebrush, oaks, willows and mesquite. Houses are located on the south and southwest edges.

TRACT 3. 12N,23W, Sec. 22 40 Acres

This tract is situated approximately four miles north of the town of Berlin. The tract is a rolling hill grassland with scattered sagebrush, yucca and mesquite. A gas well is located approximately 50 feet across the road on the west.

TRACT 4. 12N,23W, Sec. 27 40 Acres

This tract is situated approximately two miles north of the town of Berlin. The tract is a rolling hill grassland with scattered sagebrush, yucca and mesquite. Baker lake is located across the road on the west.

TRACT 5. 12N,23W, Sec. 34 80 Acres

This tract is situated approximately two miles north of the town of Berlin. The tract is a rolling hill grassland with scattered sagebrush, yucca and mesquite. The tract includes shore line of Baker Lake, and contains large cottonwoods in the drainages next to the water.

TRACT 6. 12N,23W, Sec. 34 40 Acres

This tract is situated approximately one mile north of the town of Berlin. The tract is a rolling hill grassland with scattered sagebrush and oak brush.

TRACT 7. 11N,23W, Sec. 3 20 Acres

This tract is situated within the town of Berlin. The tract is a flat grassland split by a county road, a church occupies the east side and a house is on the west.

TRACT 8. 12N,24W, Sec. 25 80 Acres

This tract is situated one mile north of Marshall Lake one mile west of U.S.Highway 283. The tract is flat to rolling grassland, cross fenced, house on south.

TRACT 9. 12N,24W, Sec. 9 40 Acres
TRACT 10. 12N,24W, Sec. 3 40 Acres
TRACT 11 12N,24W, Sec. 2 40 Acres

These tracts located east of U.S. Highway 283 and north of Taylor Lake are all similar, all are rolling hill grassland with scattered oaks in the drainages.

TRACT 12. 12N,24W, Sec. 16 40 Acres

This cultivated tract is located five miles east of the town of Dempsy.

TRACT 13. 12N,25W, Sec. 13 160 Acres

This tract is located one mile east of the town of Dempsy. The east 2/3 of the tract consists of a woodland with oaks and locusts, the West 1/3 is a flat cultivated field.

TRACT 14. 12N,25W, Sec. 2&3
13N,25W, Sec 35 600 Acres

This tract is located three miles north of the town of Dempsy. The tract consists of a rolling hill upland with scattered oakbrush thickets. The portion of this tract in Sec. 35 is cultivated. A large (1 acre) pond is situated in the north east of Sec. 3, at the bottom of a treed drainage.

TRACT 15. 12N,25W, Sec. 30 300 Acres

This tract is located three miles southwest of the town of Dempsy. The tract consists of a rolling hill grass upland with scattered dead oakbrush thickets. A large drainage with cottonwoods, willows locusts and oak courses through the tract from the west to the southeast.

TRACT 16. 13N,21W, Sec. 29 40 Acres

This tract is located four miles northwest of the town of Carpenter. The tract consists of a rolling hill grass upland with scattered yucca.

TRACT 17. 13N,22W, Sec. 1 40 Acres

This tract is located five miles west of the town of Hammon. The tract consists of a rolling hill (butte) with scattered yucca, sagebrush and sumac.

TRACT 18. 14N,22W, Sec. 35 160 Acres

This tract is located five miles west of the town of Hammon. The tract consists of a rolling hill with scattered yucca, sagebrush and sumac.

TRACT 19. 14N,22W, Sec. 29 160 Acres

This tract is located two miles east of the town of String City south of State Highway 35. The tract consists of a rolling hill with scattered sagebrush, sumac and locust trees.

TRACT 20. 14N,22W, Sec. 34 40 Acres
TRACT 21. 13N,22W, Sec. 3&4 80 Acres

These tracts are located three miles southeast of the town of String City south of State Highway 35. The tracts consist of steep sided rolling hills with scattered grass, lots of bare soil. (badlands)

TRACT 22. 14N,23W, Sec. 1 150 Acres

This tract is located two miles north of the town of String City. The tract consists of a rolling hill grassland.

TRACT 23. 14N,22W, Sec. 4 40 Acres

This tract is located three miles northeast of the town of String City. The tract consists of rolling hills grassland. House on east edge.

TRACT 24. 15N,22W, Sec. 28 40 Acres

This tract is located four miles northeast of the town of String City. The tract consists of a north sloping hill side grassland.

TRACT 25.	15N,22W,	Sec.	30	160 Acres
TRACT 26.		Sec.	18	40 Acres
TRACT 27.		Sec.	8	40 Acres
TRACT 28.		Sec.	8	40 Acres
TRACT 29.		Sec.	5	40 Acres
TRACT 30.		Sec.	6	40 Acres
TRACT 31.		Sec.	11	40 Acres
TRACT 32.	23W,	Sec.	3	40 Acres
TRACT 33.		Sec.	4	80 Acres

These tracts are located three to eight miles east of the town of Roll. The tracts consist of rolling hill grassland with scattered sagebrush. Drainages contain scattered oakbrush and junipers.

TRACT 34. 16N,22W, Sec. 11 160 Acres

This tract is located three miles northwest of the town of Angora. The tract consists of steep sided rolling hills grassland with scattered juniper and sagebrush.

TRACT 35. 16N,21W, Sec. 18 40 Acres

This tract is located two miles north of the town of Angora. The tract consists of a terraced rolling hill grassland and is a portion of a SCS soil stabilization project. (NSO)

TRACT 36. 16N,21W, Sec. 9 40 Acres

This tract is located three miles northeast of the town of Angora. The tract consists of a rolling to flat grassland with scattered oakbrush.

TRACT 37. 16N,21W, Sec. 11 40 Acres

This tract is located four miles northeast of the town of Angora. The tract consists of a rolling to flat hay field.

TRACT 38. 16N,21W, Sec. 2 160 Acres

This tract is located five miles northeast of the town of Angora. The tract consists of a rolling hill grassland with scattered oakbrush. Cottonwoods and willows occur in a small drainage on the west edge.

TRACT 39. 17N,21W, Sec. 22 40 Acres

This tract is located seven miles north of the town of Angora. The tract is flat to rolling sagebrush with scattered oak and grass understory completely surrounded by cultivated fields.

TRACT 40. 17N,21W, Sec. 1 40 Acres
TRACT 41. 17N,21W, Sec. 1 40 Acres

These tracts are located south of the canadian river west of State Highway 34. The tracts consist of terraced slopes covered with sagebrush and grass. The tracts are a portion of an existing SCS soil stabilization project.

TRACT 42 14N,21W, Sec. 10 40 Acres

This tract is located five miles northwest of the town of Hammon. The tract consists of a rolling hill grassland.

TRACT 43 12N,26W, Sec. 8 320 Acres

This tract is located approximately eight miles northwest of the town of Sweetwater one mile east of the Texas state line. The tract consists of rolling hill woodland with shrub understory (Oaks, locusts, sumac sagebrush).

TRACT 44 12N,26W, Sec. 3 160 Acres

This tract is located approximately 8 miles north of Sweetwater. The tract consists of rolling hill improved pasture grass with stands of woodland (Oaks, locusts).

TRACT 45 13N,26W, Sec. 26 40 Acres

This tract is located three miles south of the town of Rankin. The tract consists of rolling hill covered in sagebrush with scattered oakbrush.

TRACT 46 13N,26W, Sec. 17 480 Acres

This tract located 3 miles southwest of Rankin, consists of rolling hill grassland on the south with scattered junipers, oakbrush and sandplum, the north half consists of tame pasture.

TRACT 47 14N,25W, Sec. 32 160 Acres

This tract located 3 miles northeast of the town of Rankin, is adjacent to the Black Kettle National Grasslands and consists of rolling hill grassland on the west with a small wetland in a drainage with scattered sedges, cattails. A house and out-buildings is located in the northeast corner.

TRACT 48 13N,24W, Sec. 18 80 Acres

This tract located 7 miles north of the town of Dempsey, consists of rolling hill grassland with scattered sagebrush and oakbrush.

TRACT 49 13N,23W, Sec. 29 40 Acres

This tract is located one mile east of the town of Cheyenne. The tract consists of rolling hill grassland.

TRACT 50 13N,23W, Sec. 9 40 Acres

This tract is located two miles south of the town of Cheyenne. The tract consists of rolling hill grassland.

TRACT 51 13N,23W, Sec. 7 160 Acres

This tract is located within the town of Cheyenne. The tract consists of bottomland grassland and is urban.

TRACT 52 14N,24W, Sec. 15 40 Acres

This tract located 3 miles west of the intersection of U.S. Highway 283 and State Highway 33, 4 miles north of the town of Cheyenne, consists of rolling hill grassland.

TRACT 53 14N,23W, Sec. 4 40 Acres

This tract is located two miles north of the intersection of U.S. Highway 283 and State Highway 33. The tract consists of rolling hill grassland with scattered oakbrush.

TRACT 54 14N,24W, Sec. 5,8 160 Acres

This tract is located five miles west and two miles north of the intersection of U.S. Highway 283 and State Highway 33. The tract consists of rolling hill grassland with scattered oakbrush and sumac.

TRACT 55 15N,25W, Sec. 14,23 120 Acres

This tract is located adjacent to Black Kettle NG's Spring Creek Lake, the portion in Section 14 appears to be in the Grassland. The 40 acres in Section 23 is a flat to rolling bottomland. A house, barn and outbuildings is situated on the west, a small riparian zone occurs in the center.

TRACT 56 16N,25W, Sec. 33 160 Acres

This tract is located a quarter mile north of State Highway 33 three miles west of the town of Crawford. The tract consists of a cultivated field with a narrow band (50 feet) of trees along the southeast edge.

TRACT 57 16N,25W, Sec. 9 40 Acres

This rolling hill grassland tract is located three miles northeast of the town of Durham.

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TRACT 58 16N,26W, Sec.  2     40 Acres
TRACT 59 17N,25W, Sec. 31
         16N,26W, Sec.  1     80 Acres
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These tracts are located three miles north of the town of Durham. The tracts consist of rolling hill grassland with scattered sagebrush.

TRACT 60 16N,26W, Sec. 3 40 Acres
TRACT 61 17N,25W, Sec. 30 40 Acres
TRACT 62 17N,25W, Sec. 30 80 Acres
TRACT 63 17N,25W, Sec.7,8,17,18
320 Acres
TRACT 64 18N,25W, Sec. 33 60 Acres

TRACT 65 17N,25W, Sec. 26,34 200 Acres

This rolling hill grassland is located approximately five miles northeast of the town of Durham. Trees in several drainages.

TRACT 66 17N,25W, Sec. 27 40 Acres

This rolling hill grassland with scattered sagebrush is located approximately six miles northeast of the town of Durham.

TRACT 67 18N,25W, Sec. 34 40 Acres

This rolling hill grassland with scattered oakbrush is located approximately ten miles northeast of the town of Durham.

TRACT 68 16N,25W, Sec. 1 40 Acres

This tract is located five miles north of the town of Crawford overlooking the South Canadian River. The tract is a rolling hill grassland.

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TRACT 69 16N,24W, Sec.  8      40 Acres
TRACT 70 16N,24W, Sec. 10,14,15
                              560 Acres
TRACT 71 16N,24W, Sec. 24      40 Acres
TRACT 72 16N,24W, Sec. 24
             23W, Sec. 19     100 Acres
TRACT 73 16N,23W, Sec.20,21,22,23,26,27
                              660 Acres
TRACT 74 16N,23W, Sec. 23,24
             22W, Sec. 19,30 750 Acres
TRACT 75 16N,22W, Sec. 17      80 Acres
TRACT 76 16N,22W, Sec. 8,9    120 Acres
TRACT 77 17N,22W, Sec. 34      40 Acres
TRACT 78 17N,22W, Sec.27,34,35,
                              160 Acres
TRACT 79 17N,22W, Sec.25,26   280 Acres
TRACT 80 17N,22W, Sec.12       80 Acres
TRACT 81 17N,22W, Sec.1
             21W, Sec.6       160 Acres
TRACT 82 18N,21W, Sec.28      160 Acres
TRACT 83 18N,21W, Sec.27      160 Acres
TRACT 84 18N,21W, Sec.26       40 Acres
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Tracts 60 through 64 and 69 through 84 all occur in the South Canadian River bottom from the Texas state line to the Dewey county line. A typical cross section of this stretch of the river would be described as commencing from approximately one mile north; rolling hill/bluffs to sagebrush covered sand dunes; cottonwood/willow band at base of dunes; bottomland grass/cultivated field; bottomland cottonwood/willow forest; river bed/water;bottomland cottonwood/willow forest; bottomland grass/cultivated field;sagebrush covered sand dune. The width of the cross sections appear to vary from one and one-half two over two miles with a corresponding variance in the width of each band.

All tracts except numbers 7 and 51 (within towns) in Roger Mills county would be available for lease. ORA-1 and ORA-2 would apply to tracts 60 through 64 and 69

through 84. ORA-2 would apply to tracts 5,47 and 55. ORA-3 (Season of Use Restrictions) would apply to all tracts in Roger Mills County from February 15 through May 15, to protect lesser prairie chickens from being disturbed while on their leks (booming grounds).
ORA-4 No Surface Occupancy restrictions to protect the SCS stabilization project would apply to tracts 35, 40 and 41. Tracts 60 through 64 and 69 through 84 would be subject to LN-1 due to the presence of the interior least tern and the Arkansas River Shiner along the South Canadian River.

ROGERS COUNTY

TRACT 1. 24N,18E, Sec. 18 40 Acres

This tract is located one mile north of the town of Chelsea off State Highway 28. The tract consists of overgrazed native grassland with a small drainage with scattered willows along the northeast corner. A small pond and frame house occurs on the southeast corner.

TRACT 2. 24S,18E, Sec. 22 60 Acres

This upland tract is located two miles east of the town of Chelsea. The tract is split by a division fence running north to south approximately equal distance east and west. The portion on the west contains a house, outbuildings and a small (1/2 acre) pond. The vegetation is grass with scattered deciduous hardwoods. The east portion is a native grass pasture with 4-5 scattered oaks.

Both tracts within Rogers County would be available for lease. ORA-3 (Season of Use Restriction) would apply to both tracts from February 15 through May 15, to protect greater prairie chickens from being disturbed while on their leks (booming grounds). Both tracts would also be subject to LN-1 due to the presence of the western prairie fringed orchid in this county.

SEQUOYAH COUNTY

TRACT 1. 12N,24E, Sec. 18 80 Acres

This tract is located three miles north of the town of Sallisaw. The tract is divided with a small drainage running west to east to a small (1 acre) pond and associated riparian/wetland adjacent to the road on the east side. The tract consists of rolling grass covered hills with scattered trees (park like). Two houses with outbuildings are located on the east edge of the tract.

TRACT 2. 11N,24E, Sec. 6 400 Acres

This tract is located at the intersection of U.S. Interstate Highway 40 and U.S. Highway 59. The tract is partially within the city limits of the town of Sallisaw and is heavily urbanized with several motels, gas stations, other businesses and housing.

TRACT 3. 10N,25E, Sec. 17&18 20 Acres

This tract is located three miles south of the community of Gans on the north side of the Arkansas River. Legal public access is difficult, however the area is heavily developed for Oil and Gas and has numerus company roads. The tract is situated on a south facing slope into the flood plain.

Two of three tracts within Sequoyah County would be available for lease. ORA-2 would apply to tract 1. Tract 2 would not be available for lease. All tracts in Sequoyah County would also be subject to LN-1, due to the known occurrence of the American Burying Beetle in this county.

STEPHENS COUNTY

TRACT 1. 2S,9W, Sec. 15 80 Acres

This tract is located two miles northwest of the town of Corum, two miles north of State Highway 53. The tract consist of rolling hill improved pasture bisected north to south by a small unnamed stream. A riparian zone of scattered trees and shrubs occurs along the stream.

This tract would be available for lease. ORA-2 would apply.

TEXAS COUNTY

TRACT 1. 2N,19E, Sec 19,30 200 Acres

This rolling hill grassland with scattered sagebrush tract is bisected by State Highway 3 and is located eight miles east of the town of Hardesty. The portion south of the highway has been cultivated.

TRACT 2. 2N,19E, Sec 23 160 Acres

This tract is located 13 miles east of Hardesty and one mile north of State Highway 3. The tract is a flat to rolling field and is cultivated.

TRACT 3. 2N,19E, Sec 13 200 Acres

This rolling hill grassland with scattered sagebrush is located 14 miles east of the town of Hardesty one mile north of State Highway 3. The tract is bisected north and south by a large drainage with scattered cottonwoods and willows.

TRACT 4. 6N,16E, Sec 26 160 Acres

This tract is located 8 miles NW of Hooker, OK. The tract is rolling uncultivated sand hills with a few trees in low areas between stabilized sand dunes. It is surrounded by cultivated cropland. Oil and gas production was noted within 1/2 mile west of tract.

TRACT 5. 6N,16E, Sec 10 40 Acres

This tract is located 11 miles north west of Hooker, OK on the Kansas border. This tract consists of rolling sand hills and is basically the same habitat as #4.

TRACT 6. 4N,15E, Sec 2 40 Acres

This tract is located 10 miles west of Hooker, Ok. It consists of sandy loam rangeland sloping gradually from the north to a drainage on the south and east. There is a windmill on western edge across fence line.

TRACT 7. 4N15E Sec 12 40 Acres

This tract is located 10 miles north-northeast of Guymon, Ok. The tract is sandy loam rangeland similar to #6. Appears to be susceptible to erosion. Bisected by a drainage.

TRACT 8. 4N16E Sec 27 - 40 Acres

This tract is located 1 and 1/2 miles northeast of Optima, Ok. The tract straddles State highway 54. Tract is rangeland bisected by an intermittent drainage with no riparian vegetation. There is a windmill and stock tank on the northern part of the tract.

TRACT 9. 4N,14E Sec 27 40 Acres

This tract is located 6 miles northwest of Guymon, Ok. The tract is sandy loam rangeland located on north side of an intermittent creek. Sparsely wooded along the bottomland.

TRACT 10. 4N,14E Sec 29 40 Acres

This tract is located 6 miles northwest of Guymon, OK. The tract is sandy loam rangeland sloping downward gradually from south to north located on southside of the drainage. Has producing well on the tract.

TRACT 11. 4N,14E Sec 20 40 acres

This tract is located 8 miles northwest of Guymon, Ok. The tract is rolling sandy loam rangeland.

TRACT 12. 4N,14E Sec 9 240 Acres

This tract is located 10 miles northwest of Guymon, OK. It is gently rolling sandy loam pasture with no trees. In production (Bonner A-2 FLN#038986, Anadarko Pet.)

TRACT 13. 5N,13E Sec 15 160 Acres

This tract is located 17 miles northwest of Guymon, Ok. The tract is flat, sandy loam cropland.

TRACT 14. 4N,12E Sec 20 160 Acres

This tract is located 17 miles west- northwest of Guymon, Ok. It is flat,sandy loam pasture or fallow cropland.

TRACT 15. 5N,10E Sec 23 40 Acres

This tract is located 32 miles west-northwest of Guymon, Ok. This tract is rangeland bisected by drainage (no intermittent stream)

TRACT 16. 3N,11E Sec 36 600 Acres
3N,12E Sec 31 320 Acres

This tract is located 17 miles west of Guymon, OK. This tract is flat to gently rolling sandy loam pasture/rangeland split by a paved road.

TRACT 17. 2N,12E Sec 9 and 10, 480 Acres

This tract is located 14 miles west of Guymon, Ok. The tract is rolling sandy loam rangeland.

TRACT 18. 2N,12E Sec 1 40 Acres

This tract is located 12 miles west-southwest of Guymon, Ok. The tract is sandy loam rangeland adjacent to the Beaver River.

TRACT 19. 2N,11E Sec 20 80 Acres

This tract is located 22 miles west-southwest of Guymon. The tract is a rolling hill upland. Grass with scattered sagebrush.

TRACT 20. 2N,12E Sec 31 40 Acres

This tract is located 6 miles north of Texhoma Ok. The tract is sandy loam rangeland in a shallow drainage.

TRACT 21. 2N,12E Sec 32 160 Acres

This tract is located 5 1/2 miles north of Texhoma Ok. The tract is terraced pasture. The eastern edge appears to border a riparian zone but does not appear to fall within it.

TRACT 22.1N,11E sec 1 - 160 ac.

This tract is located 4 miles north of Texhoma Ok. The tract is terraced pasture.

TRACT 23. 1N11E sec 3. - 40 ac.

This tract is located 4 miles northwest of Texhoma Ok. The tract is rolling hill pasture. A small drainage crosses this tract.

TRACT 24 1N14E sec 20 - 40 ac.

This tract is located four miles southeast of the town of Goodwell. The tracts is rangeland rolling hill grass with scattered shrubs.

TRACT 25.3N,16E, Sec 24 - 40 ac.

This tract is located 9 miles east of Guymon. Rangeland located on an eroded drainage about 1/2 mile from the Beaver river.

TRACT 26. 2N,18E, Sec. 18 40 Acres

This tract is located two miles north of the town of Hardesty. The east half of the tract is in Optima NWR, the west half is within the Optima Wildlife Management area.

TRACT 27. 1N19E sec 7 - 160 ac.

This tract is located eight miles east of the town of Hardesty and three miles south of State Highway 3. The tract consists of a rolling hill grassland.

TRACT 28. 2N,18E, Sec. 4 40 Acres

This tract is located three miles north of the town of Hardesty. The south portion of the tract is in Optima NWR, the north is in a heavily used recreational area.

All of the tracts except 26 and 28 within Texas County would be available for lease. ORA-1 and ORA-2 would apply to tract 18. Tracts 26 and 28 are partially within a NWR and would not be available for lease. STC would apply to all remaining tracts.

TILLMAN COUNTY

TRACT 1. 2S,14W, Sec. 19, 80 acres

This tract is located 5 miles SW of Chattanoga. It is a cultivated field.

TRACT 2. 4S,15W, Sec. 8 80 acres

This tract is located 5 miles west of Grandfield. It is native pasture, gently sloping to the north

TRACT 3. 3S,15W, Sec. 28 160 acres

This tract is located 4.5 miles NW of Grandfield. It is native pasture bisected by wooded drainage.

TRACT 4. 4S,17W, Sec. 10 260 acres

This tract is located 6 miles ESE of Davidson. Small amount of native pasture on northern edge of parcel, the rest of the tract extends into the floodplain of the Red River and contains cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cottontails occur throughout the river bottom.

TRACT 5. 4S,18W, Sec. 3 10 acres

This tract is located in the town of Davidson.

TRACT 6. 2S,17W, Sec 19. 80 acres

This tract is located adjacent to south edge of Frederick, OK. Portion of tract west of HW 183 is developed (commercial buildings), tract east of HW 183 is undeveloped - (contains railroad right of way) with native grass cover.

TRACT 7. 2S,19W, Sec 20. and Sec 17. 80 acres

This tract is located 10 miles west of Frederick.

TRACT 8. 2S,19W, Sec 6. 80 acres

This tract is located 11 miles west of Frederick

TRACT 9. 1S,19W, Sec 29. 40 acres

This tract is located 6 miles SW of Tipton

TRACT 10. 1S,19W, Sec 17. 40 acres

This tract is located 4.5 miles SW of Tipton

TRACT 11. 1S,19W, Sec.7 40 acres

This tract is located 4.5 miles SW of Tipton

Tracts 7, 8, 9, 10, and 11 occur along the North Fork of the Red River. All tracts are in the floodplain and all support wetlands. these tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cottontails occur throughout the river bottom.

TRACT 12. 1N,19W, Sec 1. 40 acres

This tract is located 5 miles north of Tipton. Tract is a mix of native pasture and floodplain vegetation similar to that described above.

TRACT 13. 1N,18W, Sec 7. 160 acres

This tract is located 4 miles north of Tipton. It is an island of topographic and vegetative diversity in an area of otherwise flat cropland and native pasture. The tract is choppy sand hills with a mix of woods and shrubs.

TRACT 14. 1S,17W, Sec. 4. 80 acres
1N,17W, Sec. 34. 10 acres.

This tract is located in the town of Manitou

TRACT 15. 1N,17W, Sec. 22. 40 acres
Sec. 27. 40 acres

This tract is located 2 miles north of Manitou. Cultivated cropland on east 40 with mesquite invaded native pasture on the west 40.

TRACT 16. 1S,16W, Sec. 21. 160 acres

This tract is located 6.5 miles SE of Manitou. It is native pasture with a pond ringed by willows and associated vegetation.

TRACT 17. 1N,16W, Sec. 25. and Sec. 11. 400 acres

This tract is located 8.5 miles NE of Manitou. Southern 80 acres is rolling native pasture and scrub woodland with a 4-5 acre pond ringed by willows, cattails and associated vegetation. Remainder of tract is cultivated cropland and native pasture.

All tracts except numbers 5 and 14 (within towns) in Tillman county would be available for lease. ORA-1 and ORA-2 would apply to tracts 4, and 7 through 12. ORA-2 would apply to tracts 3,16 and 17. LN-1 would apply to tracts 4 and 7 through 12 in Tillman County due to the presence of the bald eagle and the interior least tern along the Red River and the North Fork Red River. The remainder would be available under STC.

TULSA COUNTY

TRACT 1. 17N,12E, Sec. 24 80 Acres

This tract is located two miles southeast of the town of Glenpool, two miles east of U.S. Highway 75. The tract is a relatively flat grassland with two small ponds (1/4 acre) and a small stream and associated riparian/wetland area (50 meters wide) coursing through the south half. The wetland contains willows and scattered cottonwoods.

TRACT 2. 12N,13E, Sec. 25 40 Acres

This tract is located two miles west of U.S. Highway 169 east of the town of Owasso. The tract contains a small drainage and intermittent wetland.

ORA-2 would apply to both tracts. ORA-3 (Season of Use Restrictions) would apply to all tracts in Tulsa County from February 15 through May 15, to protect greater prairie chickens from being disturbed while on their leks (booming grounds). All tracts in Tulsa County would also be subject to LN-1, due to the known occurrence of the American Burying Beetle in this county.

WAGONER COUNTY

TRACT 1. 16N,14E, Sec. 10 160 Acres

This tract is located one-half mile south of Bixhoma Lake, a National Park Service (NPS) Land and Conservation Fund project. The tract is roadless and inaccessible, extremely rough hilly terrain and covered in oak/hickory woodland.

TRACT 2. 16N,16E, Sec. 32 40 Acres

Located one mile east of the Arkansas River on State Highway 104 in the community of Choska, this tract contains a school, outbuildings and school yard.

TRACT 3. 16N,16E, Sec. 33 40 Acres

This tract is located one mile south of the community of Choska. The tract contains a house and out buildings, is an upland and contains grass.

TRACT 4. 16N,17E, Sec. 3 80 Acres

This tract is located on and split by the Muskogee Turnpike one mile west of the community of Rockhill. The tract contains an intermittent stream with a narrow riparian zone, scattered trees along west edge, house on southwest corner.

All tracts within Wagoner County would be available for lease. ORA-2 would apply to tract 4. ORA-3 (Season of Use Restrictions) would apply to all tracts in Wagoner County from February 15 through May 15, to protect greater prairie chickens from being disturbed while on their leks (booming grounds).

WASHITA COUNTY

TRACT 1. 11N,19W, Sec. 13 200 Acres

This terraced wheat field tract is located two miles south of Foss on State Highway 44. A small riparian zone occurs along Sand Creek which flows south to north across the west edge of this tract.

TRACT 2. 10N,19W, Sec. 11 240 acres

All located within the town of Burns Flat.

TRACT 3. 8N,20W, Sec. 26 80 Acres

This rolling hill grassland is situated five miles west of the town of Sentinel overlooking Elk Creek.

TRACT 4. 11N,18W, Sec. 1 40 Acres

This tract is located six miles east of the town of Foss and consists of a flat to rolling grassland with scattered junipers.

TRACT 5. 10N,14W, Sec. 3 40 Acres

This tract consisting of flat to rolling grassland is located two miles north of the town of Colony.

TRACT 6. 11N,14W, Sec. 27 160 Acres

This tract is located three miles north of the town of Colony. The tract has been cultivated and is presently an improved pasture. The tract contains a large pond at the south end, a small drainage with limited riparian vegetation and a house with outbuildings on the north end.

TRACT 7. 8N,15W, Sec. 35 40 Acres

This Washita river floodplain and wetland tract is located one mile upstream of the State Highway 115 river crossing.

All tracts except number 2 (within town) in Washita County would be available for lease. ORA-1 and ORA-2 would apply to tract 7. ORA-2 would apply to tract 1. The remainder would be available under STC.

WOODS COUNTY

TRACT 1.	27N,13W,	Sec. 14	120 Acres
TRACT 2.		Sec. 15	160 Acres
TRACT 3.	28N,14W,	Sec. 20	40 Acres
TRACT 4.		Sec. 17	40 Acres
TRACT 5		Sec. 6	40 Acres
TRACT 6.	29N,15W,	Sec. 17	30 Acres

Tracts 1-6 occur in the Salt Fork of the Arkansas River bottom from the Kansas State line southeast to the Alfalfa County line. All tracts are in the floodplain, and all support wetlands. These tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom. The river bottom varies in width from approximately a quarter mile to over two miles wide in places.

TRACT 7.	24N,14W,	Sec. 8,9	120 Acres
TRACT 8.		Sec. 5	40 Acres
TRACT 9.		Sec. 29	40 Acres
TRACT 10.		Sec. 6	40 Acres
TRACT 11.	24N,15W,	Sec. 1	40 Acres

Tracts 7-11 are located south of U.S. Highway 281 approximately eight miles east of the town of Waynoka in rolling hills/sand dunes. The tracts are all grass lands with scattered junipers, sagebrush and salt cedars.

TRACT 12.	25N,14W,	Sec. 30	40 Acres
TRACT 13.	15W,	Sec. 24	80 Acres
TRACT 14.	25N,14W,	Sec. 18	40 Acres
TRACT 15.	15W,	Sec. 11	40 Acres
TRACT 16.		Sec. 9	80 Acres
TRACT 17.		Sec. 4	40 Acres
TRACT 18.		Sec. 3	40 Acres

Tracts 12-18 are located north of U.S. Highway 281 approximately six miles northeast of the town of Waynoka in rolling hills/sand dunes. The tracts are all

grass lands with scattered junipers, sagebrush and salt cedars. All drainages contain oakbrush, juniper shrub with grass understory.

TRACT 19. 26N,15W, Sec. 29 80 Acres

This tract is located two miles west of the town of Avard on a paved county road. Chief Creek a perennial stream flows through the tract from west to east. The creek provides a wetland with willows, cottonwoods and sedges.

TRACT 20.	26N,15W,	Sec. 19	80 Acres
TRACT 21.	16W,	Sec. 24	40 Acres

These badlands type flat grassland tracts are located approximately four miles west and one mile north of the town of Avard.

TRACT 22.	26N,16W,	Sec. 35	40 Acres
TRACT 23.	15W,	Sec. 32	40 Acres
TRACT 24.	25N,15W,	Sec. 8	40 Acres
TRACT 25.		Sec. 9	120 Acres

These flat to rolling grassland tracts support scattered Junipers, sagebrush and yucca with oak brush thickets in the drainages. These tracts are located four miles northwest of the town of Avard south of U.S. Highway 64.

TRACT 26.	27N,15W,	Sec. 9	40 Acres
TRACT 27.		Sec. 5,6,7,8	600 Acres
TRACT 28.		Sec. 4,9	80 Acres

These tracts are located nine miles west of the town of Alva and three miles north of U.S. Highway 64. Tract 26 is a cultivated wheat field while tracts 27 and 28 are flat to rolling grassland.

TRACT 29.	28N,15W,	Sec. 17,20,21,28	520 Acres
TRACT 30.		Sec. 18,20	160 Acres
TRACT 31.		Sec. 18	80 Acres

These tracts are located nine miles west of the town of Alva and seven miles north of U.S. Highway 64. All tracts are on the same mesa and consist of rolling hill grassland with junipers and sagebrush in the drainages.

TRACT 32. 28N,15W. Sec. 10 40 Acres

This wheat field tract is located six miles west of the town of Alva and eight miles north of U.S. Highway 64.

TRACT 33.	29N,15W,	Sec. 29,32	80 Acres
TRACT 34.		Sec. 31,32	80 Acres
TRACT 35.	16W,	Sec. 25	40 Acres
TRACT 36.		Sec. 35	80 Acres
TRACT 37.	15W,	Sec. 19	40 Acres
TRACT 38.		Sec. 20	40 Acres
TRACT 39.	16W,	Sec. 26	40 Acres
TRACT 40.		Sec. 27	40 Acres

These tracts are located in flat to rolling topography on the south of the Salt Fork of the Arkansas River from 1 to 3 miles south of the Kansas State line. Tracts consists of grasslands with scattered junipers, portions of most of these tracts are now or have been under cultivation. Erosion has developed a "badlands Type" aspect to several of these tracts.

TRACT 41.	29N,16W,	Sec. 20	80 Acres
TRACT 42.		Sec. 29	40 Acres
TRACT 43.		Sec. 29	80 Acres
TRACT 44.	29N,16W,	Sec. 31	40 Acres
TRACT 45.	29N,16W,	Sec. 34	80 Acres
TRACT 46.	28N,16W,	Sec. 3	40 Acres
TRACT 47.	28N,16W,	Sec. 15	40 Acres
TRACT 48.	28N,16W,	Sec. 18	40 Acres
TRACT 49.	28N,16W,	Sec. 12	40 Acres
TRACT 50.	28N,17W,	Sec. 8	40 Acres
TRACT 51.	29N,17W,	Sec. 32	40 Acres
TRACT 52.	29N,17W,	Sec. 28	40 Acres
TRACT 53.	29N,17W,	Sec. 19	80 Acres
TRACT 54.	29N,17W,	Sec. 18	20 Acres
TRACT 55.	29N,18W,	Sec. 14	40 Acres
TRACT 56.	29N,18W,	Sec. 14	20 Acres
TRACT 57.	29N,18W,	Sec. 15	20 Acres
TRACT 58.	29N,18W,	Sec. 20	40 Acres
TRACT 59.	29N,19W,	Sec. 15	20 Acres
TRACT 60.	28N,19W,	Sec. 2	40 Acres

These tracts are located in sloping to steep rolling topography forming hills and mesas on the south of the Salt Fork of the Arkansas River from 1 to 6 miles south of the Kansas State line. Tracts consists of grasslands typically gramma grass, with scattered junipers, sagebrush and yucca, thick junipers and cottonwoods, willow and/or sagebrush occur in the drainages.

TRACT 61. 28N,17W, Sec. 31 80 Acres

This tract is located four miles northeast of the town of Camp Houston. The west half of this tract is cultivated, the east half is rolling hill grassland. Anderson Creek, a perennial stream with a well developed riparian zone of cottonwoods and willows divides the tract.

TRACT 62. 27N,19W, Sec. 31 40 Acres

This tract is located eight miles west of the town of Camp Houston. Rolling hill grassland with scattered mesquite, yucca, sagebrush.

TRACT 68. 29N,20W, Sec. 18 20 Acres

This rolling hill grassland is located on the Kansas State line approximately two miles east of the Cimarron River.

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TRACT 69. 24N,16W, Sec. 19  40 Acres
                   Sec. 18  40 Acres
                   Sec.  7  40 Acres
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These cultivated parcels are located from three to five miles southwest of the town of Waynoka.

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TRACT 73. 24N,16W, Sec. 31,32
                                460 Acres
TRACT 63. 27N,19W, Sec. 17,18,19,30
              20W, Sec. 12,11
                              1,500 Acres
TRACT 64. 27N,20W, Sec. 1,2  200 Acres
TRACT 65. 28N,20W, Sec. 27    40 Acres
TRACT 66. 28N,20W, Sec. 28    60 Acres
TRACT 67. 29N,21W, Sec. 15    80 Acres
TRACT 70. 24N,16W, Sec. 30    40 Acres
TRACT 71. 24N,16W, Sec. 29   120 Acres
TRACT 72. 24N,16W, Sec. 32   160 Acres
TRACT 74. 24N,16W, Sec. 27,28
                             220 Acres
TRACT 75. 24N,16W, Sec. 8,17,20
                             500 Acres
TRACT 76. 25N,16W, Sec. 31    40 Acres
TRACT 77. 25N,17W, Sec. 26    30 Acres
TRACT 78. 25N,17W, Sec. 3,4,9,10
                             640 Acres
TRACT 79. 24N,16W, Sec. 21   120 Acres
TRACT 80. 24N,15W, Sec. 31
          23N,15W, Sec. 6    440 Acres
TRACT 81. 23N,15W, Sec. 4    160 Acres
TRACT 82. 23N,15W, Sec. 9    120 Acres
TRACT 83. 23N,15W, Sec. 15    40 Acres
TRACT 84. 23N,15W, Sec. 21,22
                             520 Acres
TRACT 85. 23N,15W, Sec. 14   120 Acres
TRACT 86. 23N,15W, Sec. 23    40 Acres
TRACT 87. 23N,15W, Sec. 24    40 Acres
TRACT 88. 23N,15W, Sec. 24    40 Acres
TRACT 89. 23N,15W, Sec. 24,25 80 Acres
TRACT 90. 23N,14W, Sec. 18    80 Acres
TRACT 91. 23N,14W, Sec. 29    80 Acres
TRACT 92. 23N,14W, Sec. 28    40 Acres
TRACT 93. 23N,14W, Sec. 26,27,28,34
          22N,14W, Sec. 3
                              1,160 Acres
TRACT 94. 22N,14W, Sec. 2    200 Acres
TRACT 95. 22N,14W, Sec. 1,12 240 Acres
TRACT 96. 22N,13W, Sec. 8.9   80 Acres
TRACT 97. 22N,13W, Sec. 10,11
                             300 Acres
TRACT 98. 22N,13W, Sec. 1,12 400 Acres
TRACT 99. 22N,13W, Sec. 3     40 Acres
TRACT 100. 22N,13W, Sec. 4    80 Acres
TRACT 101. 23N,13W, Sec. 29,32
                             320 Acres
TRACT 102. 23N,13W, Sec. 31
           22N,13W, Sec. 6
               14W, Sec. 1   340 Acres
TRACT 103. 23N,14W, Sec. 24,25,26
                             200 Acres
TRACT 104. 23N,14W, Sec. 21   40 Acres
TRACT 105. 23N,14W, Sec. 5    40 Acres
TRACT 122. 26N,17W, Sec. 19
               18W, Sec. 24  200 Acres
TRACT 124. 26N,18W, Sec. 2   80 Acres
TRACT 123. 26N,17W, Sec. 7   40 Acres
TRACT 125. 27N,18W, Sec. 35  40 Acres
TRACT 126. 27N,18W, Sec. 28  60 Acres
TRACT 127. 27N,18W, Sec. 30  80 Acres
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Tracts 63 through 67,70,71,72,74 through 105, and 122 through 127 occur in the Cimarron River bottom from the Kansas State line southeast to the Major County line. All tracts are in the floodplain, and all support wetlands. These wetland tracts consist of cottonwood/willow woodlands or salt cedar woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom. The river bottom varies in width from 1/2 mile to over 2 miles wide in places. Tract 63 is located nine miles west of the town of Camp Houston on the Cimarron River bottoms. A large 300-400 acre salt evaporative plant is situated on the southern end of this tract. Tract 124 is in the city limits of the Town of Freedom.

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TRACT 106. 23N,14W, Sec. 6    40 Acres
TRACT 107. 23N,15W, Sec. 2
           24N,15W, Sec. 35  740 Acres
TRACT 108. 24N,15W, Sec. 28   40 Acres
TRACT 109. 24N,15W, Sec. 29,30
                              80 Acres
TRACT 110. 24N,15W, Sec. 20   80 Acres
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These tracts are located in flat to sloping topography forming small hills and sand dunes on the north of the Cimarron River from two miles east of Little Sahara State Park east to five miles west of the Major county line. Tracts consists of grasslands typically gramma grass, with scattered oakbrush, junipers, sagebrush and yucca, cottonwoods, willow and/or sagebrush occur in the more permanent drainages.

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TRACT 111. 24N,16W, Sec. 14,23          160 Acres
TRACT 112. 24N,16W, Sec. 21,22          400 Acres
TRACT 113. 25N,16W, Sec. 34,35          120 Acres
TRACT 114. 25N,16W, Sec. 26              40 Acres
TRACT 115. 25N,16W, Sec. 28              80 Acres
TRACT 116. 25N,16W, Sec. 19,20,29,30  1,000 Acres
TRACT 117. 25N,16W, Sec. 22              40 Acres
TRACT 118. 26N,17W, Sec. 34              40 Acres
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These tracts are located in flat to sloping topography forming small hills and sand dunes on the north of the Cimarron River from Little Sahara State Park west to six miles east of the town of Freedom. Tracts consists of

oak woodlands/grasslands typically gramma grass, with scattered oakbrush, junipers, sagebrush and yucca, cottonwoods, willow black locust, mesquite and/or sagebrush occur in the more permanent drainages.

TRACT 119. 26N,16W, Sec. 29 40 Acres
TRACT 120. 26N,16W, Sec. 28 40 Acres
TRACT 121. 26N,16W, Sec. 19,20 200 Acres

These tracts are located approximately eight miles west of the town of Avard. The tracts are flat to rolling grasslands with scattered juniper. Eroded badlands type topography.

All but tract number 124 in Woods County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1 through 6, 63 through 67, 70,71,72, 74 through 105, and 122 through 127. ORA-2 would apply to tracts 19 and 61. LN-1 would also apply to tracts 1 through 6, 63 through 67, 70,71,72, 74 through 105, and 122 through 127 due to the occurrence of the interior least tern along the Cimarron River and some associated salt flats/wetlands. The remainder would be available under STC.

WOODWARD COUNTY

TRACT 1. 23N,20W, Sec.25 40 Acres
TRACT 2. 22N,19W, Sec. 6 20 Acres
TRACT 3. Sec. 5 60 Acres
TRACT 4. Sec. 8 10 Acres
TRACT 5. Sec. 15 80 Acres
TRACT 6. Sec. 15 5 Acres
TRACT 7. Sec. 22 40 Acres
TRACT 8. Sec. 26 80 Acres
TRACT 9. 21N,18W, Sec. 8 40 Acres
TRACT 10. Sec. 5 40 Acres
TRACT 11. Sec. 8 40 Acres
TRACT 12. Sec. 9 40 Acres
TRACT 13. Sec. 10 40 Acres
TRACT 14. Sec. 15,22 120 Acres
TRACT 15. Sec. 25 30 Acres
TRACT 16.20N,17W, Sec. 5 40 Acres
TRACT 17. Sec. 8 60 Acres
TRACT 18. Sec. 14 30 Acres

Tracts 1 through 18 occur in the North Canadian River bottom from the southeast edge of Boiling Springs State Park south east to the Major County line. All tracts are in the floodplain, and all support wetlands. These tracts contain cottonwood/willow woodlands with an understory of scattered juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom.

TRACT 19. 21N,17W, Sec. 31,32
20N,17W, Sec. 5 360 Acres

This parcel is located north of the North Canadian River seven miles east of the town of Mutual. The tract consists of rolling Sand dunes covered in sagebrush with wetlands of sedges and cattails between the dunes. The entire tract is in the River floodplain.

TRACT 20. 21N,18W, Sec. 30 80 Acres

This parcel is located north of the North Canadian River seven miles east of the town of Mutual. The tract consists of rolling Sand dunes covered in sagebrush, oaks, locusts, and with a grass understory.

TRACT 21. 21N,17W, Sec. 22 40 Acres
TRACT 22. Sec. 15 40 Acres
TRACT 23. Sec. 5 40 Acres

These tracts are south and west of the town of Cedardale. The tracts consists of a rolling hill/sand dunes covered in sagebrush and oaks, with a grass understory.

TRACT 24. 22N,17W, Sec. 23 40 Acres

Tract 24 is located three miles north of the town of Cedardale. The tract consists of rolling hill grassland with scattered junipers.

TRACT 25. 23N,17W, Sec. 25 80 Acres

This tract is located five miles east of the town of Quinlin. The tract consists of rolling hill grassland with scattered junipers and yucca.

TRACT 26. 22N,18W, Sec. 1 40 Acres

This tract is located three miles south of the town of Quinlin. The tract consists of rolling hill grassland with scattered junipers and yucca. A pond is situated in the center of the tract.

TRACT 27. 23N,18W, Sec. 10 40 Acres

This tract is located three miles west of the town of Quinlin. The tract consists of rolling hill/mesa grassland with scattered junipers and yucca.

TRACT 28. 24N,17W, Sec. 29 40 Acres

This tract is located five miles northwest of the town of Quinlin. The tract consists of rolling hill/ grassland with scattered junipers and yucca.

TRACT 29.	18W,	Sec. 20,21	400 Acres
TRACT 30.		Sec. 17	120 Acres
TRACT 31.		Sec. 7	40 Acres
TRACT 32.		Sec. 7	40 Acres

These tracts located 5 miles north of the town of Mooreland east of State Highway 50, consist of rolling hill/mesa grassland with scattered junipers, sagebrush and yucca. Wetlands occur along draianges and portions of Chimney Creek on tracts 29 and 30 and Doe Creek on tracts 31 and 32.

TRACT 33.	25N,19W,	Sec. 12	160 Acres
TRACT 34.		Sec. 9	80 Acres

These wheat field tracts are located west of State Highway 50 from 3 to 5 miles south of Alabaster Caverns State Park.

TRACT 35.	25N,17W,	Sec. 18,17	160 Acres
TRACT 36.		Sec. 17,20,21	160 Acres
TRACT 37.		Sec. 29	160 Acres
TRACT 39.		Sec. 35	60 Acres
TRACT 40.	24N,17W,	Sec. 14	40 Acres
TRACT 41.		Sec. 1,12	80 Acres
TRACT 51.		Sec. 24	160 Acres
TRACT 52.		Sec. 25	40 Acres

These tracts located 5 to 9 miles north of the town of Quinlin west of the Cimarron River, consist of rolling hill/mesa grassland with scattered junipers, sagebrush and yucca. Wetlands occur along perennial unnamed tributary draianges of the Cimarron River on tracts 35,36,39 and 51, and on Chimney Creek on tract 37.

TRACT 38.		Sec. 23,26	170 Acres
TRACT 42.	25N,16W,	Sec. 31	40 Acres
TRACT 43.	17W,	Sec. 9,10	60 Acres
TRACT 44.	17W,	Sec. 4	20 Acres
TRACT 45.	26N,18W,	Sec. 11	30 Acres
TRACT 46.	19W,	Sec. 25	120 Acres
TRACT 47.		Sec. 26,35	160 Acres
TRACT 48.		Sec. 27,34	80 Acres
TRACT 49.		Sec. 29	30 Acres
TRACT 50.		Sec. 19	120 Acres

Tracts 38-50 occur in the Cimarron River bottom from the Harper to the Major County Line. These tracts are in the floodplain, all support wetlands, contain cottonwood/willow woodlands with an understory of juniper trees. Openings of sandbars and water as well as grasslands with sedges and cattails occur throughout the river bottom. Upland portions of these tracts are located in sloping to steep rolling topography forming hills and mesas on the south of the river and consist of grasslands typically gramma grass, with scattered junipers, sagebrush and yucca, thick junipers and cottonwoods, willow and/or sagebrush occur in the drainages.

TRACT 53.	26N,18W,	Sec. 4	240 Acres
TRACT 54.		Sec. 8	80 Acres
TRACT 55.	27N,18W,	Sec. 31	
	19W,	Sec. 36	240 Acres
TRACT 56.		Sec. 36	40 Acres
TRACT 57.	26N,19W,	Sec. 15	40 Acres
TRACT 58.		Sec. 21	40 Acres
TRACT 59.		Sec. 2	40 Acres
TRACT 60.	27N,19W,	Sec. 34	40 Acres
TRACT 61.	26N,19W,	Sec. 4	40 Acres
TRACT 62.	27N,19W,	Sec. 32	80 Acres
TRACT 68.	25N,17W,	Sec. 5,6	320 Acres
TRACT 69.	26N,17W,	Sec. 30	40 Acres
TRACT 70.	26N,18W,	Sec. 25	40 Acres
TRACT 71.		Sec. 26	40 Acres
TRACT 72.	17W,	Sec. 35	120 Acres
TRACT 73.	26N,18W,	Sec. 27	40 Acres
TRACT 74.		Sec. 22,23	80 Acres
TRACT 75.		Sec. 14	40 Acres
TRACT 76.		Sec. 11	40 Acres

These tracts are located in sloping to steep rolling topography forming hills and mesas on the south of the Cimarron River from the Harper County line to six miles west of the Major County line. Tracts consists of grasslands typically gramma grass, with scattered junipers,sagebrush and yucca, thick junipers and cottonwoods, willow salt ceder and/or sagebrush occur in the drainages.

TRACT 63.	25N,19W,	Sec. 31	40 Acres
TRACT 64.		Sec. 32	40 Acres
TRACT 65.	24N,20W,	Sec. 1	40 Acres

These tracts are located in rolling to hilly topography draining into Traders Creek a perineal tributary of the Cimarron River. The tracts are grasslands, thick junipers and/or sagebrush occur in the drainages.

TRACT 66.	24N,20W,	Sec. 28	40 Acres
TRACT 67.		Sec. 30	40 Acres

These tracts are located east of State Highway 34 four miles south of the Harper County line. The tracts are rolling hill sand dunes covered in Sage and grass.

All tracts in Woodward County would be available for lease. ORA-1 and ORA-2 would apply to tracts 1 through 19,38,and 42 through 50. ORA-2 would apply to tracts 29 through 32, 35,36,37, 39 and 51. ORA-3 (Season of Use Restrictions) would apply to all tracts in Woodward County from February 15 through May 15, to protect lesser prairie chickens from being disturbed while on their leks (booming grounds). LN-1 would apply to tracts 1 through 19, 38, and 42 through 50 due to the occurrence of the interior least tern along the North Canadian and Cimarron Rivers.

APPENDIX TWO OIL AND GAS LEASE OPERATIONS

Acquiring a Federal Oil and Gas Lease.....A-2-1.

Locating a Well.....A-2-1.

Application for Permit to Drill .....A-2-1.

Drilling Plan.....A-2-1.

Environmental Assessment.....A-2-1.

Bonding.....A-2-2.

Drilling.....A-2-2.

Producing.....A-2-2.

Monthly Reports.....A-2-2.

Undesirable Events.....A-2-2.

Change of Operations.....A-2-3.

Abandonment.....A-2-3.

APPENDIX 2
LEASE OPERATIONS

ACQUIRING A FEDERAL OIL AND GAS LEASE

A Federal lease may be acquired by either competitive leasing or over the counter leasing. The competitive leasing process is the offering of Federal oil and gas leases at an oral auction. These auctions are held quarterly. The noncompetitive leasing process is an over-the-counter leasing of Federal lands not leased at the competitive lease auctions. A competitive lease has a term of 5 years (unless held by production) and a noncompetitive lease has a term of 10 years (unless held by production).

Application of lease stipulations that will mitigate the effect of oil and gas operations on other resources are applied by either the Bureau of Land Management (BLM) or other agencies. Stipulations on acreage with nonfederal surface over federal minerals are also applied by the BLM.

DECIDING ON LOCATION OF WELL

A geologist for an exploration company examines well logs, seismic data, and any other available information to determine an area for possible accumulation of hydrocarbons. Geologist, engineers, and other exploration experts then determine the best location for a proposed well.

The surface location for the well is based upon geological evidence and surface conditions. A normal drill pad covers approximately one to three acres. Access and surface conditions (creeks, ponds, timber, and structures) should be taken into consideration in selecting the location, and the pad area should be as level as possible. Creating the least possible surface disturbances and safety procedures are other factors to be considered in location selection.

Once the location of the proposed well has been determined the well location needs to be staked (surveyed). The BLM is notified of a proposed well location on Federal minerals by a notice of staking (NOS) or an Application for Permit to Drill (APD). An approved APD must be issued and in hand prior to any surface disturbance or drilling activities.

ACQUIRING AN APPROVED APPLICATION FOR PERMIT TO DRILL (APD)

To acquire an approved APD the following three items are required: (1) drilling plan approved, (2) an environmental assessment conducted and (3) bonding requirements met. These are the minimum requirements and special stipulations may be added.

1. Drilling Plan

A drilling plan must be attached to the APD. This drilling plan must contain a description of the drilling program and surface use program. The drilling program shall include a description of the pressure control system and circulation mediums, the testing, logging and coring program, pertinent geologic data, and information on expected problems and hazards. The surface use program shall contain a description of the road and drill pad location and construction methods for containment and disposal of waste materials, plans for reclamation of the surface, and other pertinent data required. A drawing showing the proposed layout of the drilling location is also included within the APD. The drilling plan is the proposed action addressed in the Environmental Assessment (EA).

2. Environmental Assessment

To approve an Application for Permit to Drill (APD) an Environmental Assessment (EA) must be made of the proposed action.
The EA process involves both site specific resource inventory, resource evaluations and analysis as well as an estimate of any cumulative resource impacts.

At the start of the process the proposed action is reviewed and a checklist is sent to the operator requesting any absent information that is needed to complete the EA.

A BLM Environmental Specialist will inspect the proposed drilling location with the Operator's agent, dirt contractor, and a representative of the affected Surface Management Agency (SMA) prior to completion of the EA. On split-estate lands the BLM is considered the Federal SMA.

After the proposed drilling location inspection, the SMA will advise the BLM if any additional conditions of approval are required. These additional conditions could include surface restorations, reseeding, or other reclamation work, requirements to avoid sensitive locations or restricted time periods.

Included in the EA process are cultural evaluation and threatened and endangered (T/E) species evaluation of the proposed well location by both a BLM Archeologist and a Wildlife Biologist. Wetlands (riparian areas), floodplains, soil permeability, water quality, and any special circumstances are also evaluated. The cultural evaluation involves contacting the State Historic Preservation Office (SHPO) and any other agency involved in the preservation of historic or prehistoric sites. The T/E species evaluation involves contacting the State Wildlife Department, the State Natural Heritage Program, and/or the U.S. Fish and Wildlife Service. Each agency receives a 30-day time period for review and comment. The Bureau personnel or an authorized private contractor (hired by the oil & gas operator) will, upon request, conduct an on-foot location inventory of the proposed well location.

If after completion of the EA, a Finding Of No Significant Impact (FONSI) is determined, the EA is attached to the APD. If the EA indicates the potential for significant impacts to the human environment, the APD is either rejected or an Environmental Impact Statement (EIS) will be prepared to further analyze the proposed action.

3. Bonding

The lessee or his/her operator must furnish a bond (minimum amount $10,000) before any surface-disturbing activities related to drilling can begin. The bond requirement is to ensure compliance with all the lease terms and stipulations as well as the conditions of approval contained in the EA. If there is a change of operator, the new operator must state the bond under which he/she will operate. Bonds are not released until all the terms and conditions of the lease and APD have been met.

An approved APD with copies of regulations, lease stipulations, the EA and conditions of approval is issued by the BLM to the lessee or his designated operator. The APD has an expiration date of one year, but may be extended upon request and approval.

SPUDDING AND DRILLING THE WELL

The operator must report to the BLM District Office by phone within one working day of the Spud date (date they begin drilling the hole). At each well there shall be a well sign identifying the operator, lease, location, and well name. The operator must submit daily drilling reports while drilling and completing the well. A copy of the approved APD must be at the well site during drilling.

COMPLETING THE WELL

Once the well is completed a Well Completion or Recompletion Report and Log (Form 3160-4) must be submitted within 30 days to the District Office. If the well is a dry hole, the operator may get oral permission to plug and abandon the well. Oral permission must be followed with written confirmation.

PRODUCING THE WELL

Once the well is completed as a producing well, the operator must submit within 5 working days a 5-day start-up notice. If the report is submitted by telephone, it must be followed by written notice within the 5-day time period. After a well is completed and production equipment is in place the well location is normally an area of from 1/2 to 1 acre.

MONTHLY REPORTS

While producing, the operator must submit a Monthly Report of Operations (MRO). This report list the production for the well. Each well location is inspected once a year for compliance with Federal regulations and stipulations. If any violations are found a report of Incident of Noncompliance (INC) is written and this report is sent to the operator with instruction to correct the violation within a certain time frame.

UNDESIRABLE EVENTS

All undesirable events will be reported to the BLM immediately. Undesirable events include but are not limited to, oil spills, salt water spills, theft, fires, leaks, accidents, or other unusual occurrences.

CHANGE OF OPERATIONS

Once producing, any operation at the well location that creates additional surface disturbance or effects a change in the well bore status requires a notice of intent be submitted on the Sundry Notices and Reports on Wells (Form 3160-5). Before any work is commenced, the change must be approved with any necessary modifications and/or additions to conform to Federal regulations. For changes that create additional surface disturbance not analyzed or included in the original APD, an EA is required.

Any change in lessee of record must be approved by BLM prior to the new lessee operating the well. Until the assignment of interest to the new (succeeding) lessee is approved the lessee of record remains responsible for all activities pertaining to the lease.

ABANDONING/RECLAIMING THE WELL LOCATION

No well may be abandoned without prior approval by the BLM. If a well is no longer profitable to produce an operator may wish to plug and abandon the well. In order to plug a well, an operator must submit on a Sundry Notice (Form 3160-5) his intent to plug the well. For old wells not having an approved abandonment plan, a sketch showing the disturbed area and roads to be abandoned, along with the proposed reclamation measures, shall be submitted with the Form 3160-5. A BLM Petroleum Engineering Technician must witness all pluggings, and an Environmental Specialist will evaluate reclamation efforts. Final abandonment is not approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed satisfactorily.

APPENDIX THREE OKLAHOMA OIL AND GAS LEASE STIPULATIONS

Special BR Stipulations GP-135.....A-3-1

Special COE Stipulations 1-A A-3-3

Standard BLM Lease Form 3100-11 with Terms and Condition.....A-3-5

Standard BLM Form 3109-1 with BR Stipulations.....A-3-7

Oklahoma State University OSU-1.....A-3-8

Oklahoma State University OSU-1.....A-3-9

ODWC Special Stipulation G-12-82 ..... A-3-10

ODWC Special Stipulation A-12 ..... A-3-22

GP-135
(01/91)

SPECIAL STIPULATION-BUREAU OF RECLAMATION

To Avoid interference with recreation development and/or impacts to fish and wildlife habitat and to assist in preventing damage to any Bureau of Reclamation dams, reservoirs, canals, ditches, laterals, tunnels, and related facilities, and contamination of the water supply therein, the lessee agrees that the following conditions shall apply to all exploration and developmental activities and other operation of the works thereafter on lands covered by this lease:

1. Prior to commencement of any surface-disturbing work including drilling, access road work, and well location construction, a surface use and operations plan will be filed with the appropriate officials. A copy of this plan will be furnished to the Regional Director, Missouri Basin Region, Bureau of Reclamation, P. O. Box 36900, Billings, MT 59107-6900, for review and consent prior to approval of the plan. Such approval will be conditioned on reasonable requirements needed to prevent soil erosion, water pollution, and unnecessary damages to the surface vegetation and other resources, including cultural resources, of the United States, its lessees, permittees, or licensees, and to provide for the restoration of the land surface and vegetation. The plan shall contain provisions as the Bureau of Reclamation may deem necessary to maintain proper management of the water, recreation, lands, structures, and resources, including cultural resources, within the prospecting, drilling, or construction area.

Drilling sites for all wells and associated investigations such as seismograph work shall be included in the above-mentioned surface use and operation plan.

If later explorations require departure from or additions to the approved plan, these revisions, will be submitted for approval to the Regional Director, Missouri Basin Region, Bureau of Reclamation, or his authorized representative.

Any operations conducted in advance of approval or an original, revised, or amended prospecting plan, or which are not in accordance with an approved plan constitute a violation of the terms of this lease. The Bureau of Reclamation reserves the right to close down operations until such corrective action, as is deemed necessary, is taken by the lessee.

2. No occupancy of the surface of the following excluded area is authorized by this lease. It is understood and agreed that the use of these areas for Bureau of Reclamation purposes is superior to any other use. The excluded areas are:

a. Within 500 feet on either side of the centerline of any and all roads or highways within the leased area.

b. Within 200 feet on either side of the centerline of any and all trails within the leased area.

c. Within 500 feet of the normal high-water line of any and all live streams in the leased area.

d. Within 400 feet of any and all recreation developments within the leased area.

e. Within 400 feet of any improvements either owned, permitted, leased, or otherwise authorized by the Bureau of Reclamation within the leased area.

f. Within 200 feet of established crop fields, food plots, and tree/shrubs plantings within the leased area.

g. Within 200 feet of slopes steeper than a 2:1 gradient within the leased area.

h. Within established rights-of-way of canals, laterals, and drainage ditches within the leased area.

i. Within a minimum of 500 feet horizontal from the centerline of the facility or 50 feet from the outside toe of the canal, lateral, or drain embankment, whichever distance is greater, for irrigation facilities without clearly marked rights-of-way within the leased area.

3. No occupancy of the surface or surface drilling will be allowed in the following areas. In addition, no directional drilling will be allowed that would intersect the subsurface zones delineated by a vertical plane in these areas. The following restrictions apply only to Federal minerals located within the boundary of a Bureau of Reclamation project.

a. Within 1,000 feet of the maximum water surface, as defined in the Standing Operating Procedures (SOP), of any reservoirs and related facilities located within the leased area.

b. Within 2,000 feet of dam embankments and appurtenance structures such as spillway structures, outlet works, etc.

c. Within one-half (1/2) mile horizontal from the centerline of any tunnel within the leased area.

d. Providing that appropriate environmental compliance measures can be ensured, and providing further that Reclamation project works and other public interests can be protected, Reclamation may consider, on a case-by-case basis, waiving the requirements specified in Section 3 hereof. HOWEVER, LESSEES ARE ADVISED THAT OBTAINING SUCH A WAIVER CAN BE A DIFFICULT, TIME CONSUMING, AND COSTLY PROCESS WITH NO GUARANTEE THAT RECLAMATION WILL GRANT THE REQUESTED WAIVER.

4. The distances stated in items 2 and 3 above are intended to be general indicators only. The Bureau of Reclamation reserves the right to revise these distances as needed to protect Bureau of Reclamation facilities.

5. The use of explosives in any manner shall be so controlled that the works and facilities of the United States, its successors and assigns will in no way be endangered or damaged. In this connection, an explosives use plan shall be submitted to and approved by the Regional Director, Great Plains Region, Bureau of Reclamation, or his authorized representative.

6. The lessee shall be liable for all damage to the property of the Untied States, its successors and assigns, resulting from the exploration, development, or operation of the works contemplated by this lease, and shall further hold the United States, its successors and assigns, and its officers, agents, and employees, harmless from all claims of third parties for injury or damage sustained or in any way resulting from the exercise of the rights and privileges conferred by this lease.

7. The lessee shall be liable for all damage to crops or improvements of any entryman, nonmineral applicant, or patentee, their successors and assigns, caused by or resulting from the drilling or other operations of the lessee, including reimbursement of any entryman or patentee, their successors and assigns, for all construction, operation, and maintenance charges becoming due on any portion of their said lands damaged as a result of the drilling or other operations of the lessee.

8. In addition to any other bond required under the provisions of this lease, the lessee shall provide such bond as the United States may at any time require for damage which may arise under the liability provisions of sections six (6) and seven (7) above.

_____	_____
Date	Signature of Lessee

U.S. ARMY COE
SPECIAL STIPULATIONS 1-A

1. All oil and gas drilling and production operations shall be under the supervision of the District Manager, Bureau of Land Management (BLM), in accordance with 43 Code of Federal Regulations 3160.

2. The Secretary of the Army or designee reserves the right to require cessation of operations if a national emergency arises of if the Army needs the leased property for a mission incompatible with lease operations. On approval from higher authority, the District Engineer will give notice of the required suspension. The lessee agrees to this condition and waives compensation for its exercise.

3. If the District Engineer or his authorized representative discovers an imminent danger to safety or security which allows no time to consult BLM, that person may order such activities stopped immediately. The District Manger, BLM, will be notified immediately, will review the order, and will determine the need for further remedial action.

4. Lessee liability for damage to improvements shall include improvements of the Department of Defense. Lessee shall be liable for pollution and other damages, as a result of their operations, to Government-owned land and property and to the property of the Government's authorized surface user.

5. Before beginning to drill, the lessee must consult with third parties authorized to use real estate in the lease area and must consider programs for which third parties have contractual responsibility.

6. A license to conduct geophysical test on the leased area must be obtained separately from the District Engineer.

7. That all rights under this lease are subordinate to the rights of the United States to flood and submerge the lands, permanently or intermittently, in connection with the operation and maintenance of the above-named project.

8. That the United States shall not be responsible for damages to property or injuries to persons which may arise from or be incident to the use and occupation of the said premises, or for damages to the property of the lessee, or for injuries to the person of the lessee's officers, agents, servants, or employees, or others who may be on said premises at their invitation or the invitation of any one of them arising from or incident to the flooding of the said premises by the Government or flooding from any other cause, or arising from or incident to any other governmental activities; and the lessee shall hold the United States harmless from any and all such claims.

9. That the work performed by the lessee on the lands shall be under the general supervision of the District Engineer, Corps of Engineers in direct charge of the project and subject to such conditions and regulations as may be prescribed by him, and the plans and locations for all structures, appurtenances thereto, and work on said lands shall be submitted to the said District Engineer for approval in advance of commencement of any work on said lands. The District Engineer shall have the right to enter on the premises, at any time, to inspect both the installation and operational activities of the lessee.

10. That no structure or appurtenance thereto shall be of a material or construction determined to create floatable debris.

11. That the construction and operation of said structures and appurtenances thereto shall be of such a nature as not to cause pollution of the soils and the waters of the project.

12. That the United States reserves the right to use the land jointly with the lessee in connection with the construction, operation, and maintenance of the Government project and to place improvements thereon or to remove materials therefrom, including sand and gravel and other construction material, as may be necessary in connection with such work, and the lessee shall not interfere in any manner with such work, and the lessee shall not interfere in any manner with such work or do any act which may increase the cost of performing such work. If the cost of the work performed on land outside the property included in the lease is made more expensive by reason of improvements constructed on the leased property by the lessee, the lessee shall pay to the United States money in the amount, as estimated by the Chief of Engineers, sufficient to compensate for the additional expense involved.

13. All areas within 2,000 feet of any major structure, including but not limited to the dam, spillway, or embankment, are restricted areas. The lessee, his operators, agents, or employees shall not utilize the surface of restricted areas for any purpose. Drilling operations in, on, or under the restricted areas, including drilling outside of the restricted areas which would cause a bore hole to be under the restricted area, will not be permitted. The restricted areas are included in the lease for the sole purpose of becoming part of a drilling unit so that the United States will share in the royalty of the unit.

14. All existing or proposed public use areas, recreation areas, wildlife and waterfowl refuges, historical sites, and hiking and horseback trail areas may be leased for the sole purpose of becoming a part of a drilling unit. The lessee, his operators, agents, or employees will not use or enter upon the surface for any purpose. Directional drilling from non-public areas is permitted if not otherwise restricted.

15. No drilling will be permitted from Government-owned surface where alternate surface use is available within the same drilling unit.

16. All storage tanks and slush pits will be protected by dikes of sufficient capacity to protect the reservoir from pollution to flood pool elevation _____ feet, National Geodetic Vertical Datum.

17. It is the responsibility of the lessee to identify and be aware of areas where entry is prohibited. ^C There will be no surface or subsurface entry within 2,000 feet of the dam structure. A portion of the lease includes the _____ Public Use Area, therefore, stipulation __ is applicable. Stipulation __ also applies to portions of the lease area.

18. The operator will immediately stop work and advise the District Engineer or his authorized representative if contamination is found in the operating area.

Form 3100-11
(June 1988)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OFFER TO LEASE AND LEASE FOR OIL AND GAS

Serial No.

The undersigned *(reverse)* offers to lease all or any of the lands in Item 2 that are available for lease pursuant to the Mineral Leasing Act of 1920, as amended and supplemented (30 U.S.C. 181 et seq.), the Mineral Leasing Act for Acquired Lands of 1947, as amended (30 U.S.C. 351-359), the Attorney General's Opinion of April 2, 1941 (40 Op. Atty. Gen. 41), or the

READ INSTRUCTIONS BEFORE COMPLETING

1. Name
   Street
   City, State, Zip Code

2. This application/offer/lease is for: *(Check only One)* ☐ PUBLIC DOMAIN LANDS ☐ ACQUIRED LANDS (percent U.S. interest _____)
   Surface managing agency if other than BLM: _____ Unit/Project _____
   Legal description of land requested: *Parcel No.:_____ *Sale Date (m/d/y):_____ / _____ / _____
   ***SEE ITEM 2 IN INSTRUCTIONS BELOW PRIOR TO COMPLETING PARCEL NUMBER AND SALE DATE.**

T.	R.	Meridian	State	County

Total acres applied for _____

Amount remitted: Filing fee $ _____ Rental fee $ _____ Total $ _____

DO NOT WRITE BELOW THIS LINE

3. Land included in lease:

T.	R.	Meridian	State	County

Total acres in lease _____

Rental retained $ _____

This lease is issued granting the exclusive right to drill for, mine, extract, remove and dispose of all the oil and gas *(except helium)* in the lands described in Item 3 together with the right to build and maintain necessary improvements thereupon for the term indicated below, subject to renewal or extension in accordance with the appropriate leasing authority. Rights granted are subject to applicable laws, the terms, conditions, and attached stipulations of this lease, the Secretary of the Interior's regulations and formal orders in effect as of lease issuance, and to regulations and formal orders hereafter promulgated when not inconsistent with lease rights granted or specific provisions of this lease.

NOTE: This lease is issued to the high bidder pursuant to his/her duly executed bid or nomination form submitted under 43 CFR 3120 and is subject to the provisions of that bid or nomination and those specified on this form.

Type and primary term of lease:

☐ Noncompetitive lease (ten years)

☐ Competitive lease (five years)

☐ Other _____

THE UNITED STATES OF AMERICA

by _____
(Signing Officer)

_____ _____
(Title) (Date)

EFFECTIVE DATE OF LEASE _____

(Continued on reverse)

[illegible] citizens, a municipality, or a corporation organized under the laws of the United St[illegible] of any State or Territory thereof; (2) all parties holding an interest in the offer are in compliance with 43 CFR 3100 and the leasing authorities; (3) offeror's chargeable interests, direct and indirect in either public domain or acquired lands do not exceed 246,080 acres in Federal oil and gas leases in the same State, of which not more than 200,000 acres are held under option, or 300,000 acres in leases and 200,000 acres in options in either leasing District in Alaska; (4) offeror is not considered a minor under the laws of the State in which the lands covered by this offer are located; (5) offeror is in compliance with qualifications concerning Federal coal lease holdings provided in sec. 2(a)(2)(A) of the Mineral Leasing Act; (6) offeror is in compliance with reclamation requirements for all Federal oil and gas lease holdings as required by sec. 17(g) of the Mineral Leasing Act; and (7) offeror is not in violation of sec. 41 of the Act.

(b) Undersigned agrees that signature to this offer constitutes acceptance of this lease, including all terms, conditions, and stipulations of which offeror has been given notice, and any amendment or separate lease that may include any land described in this offer open to leasing at the time this offer was filed but omitted for any reason from this lease. The offeror further agrees that this offer cannot be withdrawn, either in whole or in part, unless the withdrawal is received by the proper BLM State Office before this lease, an amendment to this lease, or a separate lease, whichever covers the land described in the withdrawal, has been signed on behalf of the United States.

This offer will be rejected and will afford offeror no priority if it is not properly completed and executed in accordance with the regulations, or if it is not accompanied by the required payments. 18 U.S.C. Sec. 1001 makes it a crime for any person knowingly and willfully to make to any Department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Duly executed this _____ day of _____, 19 _____. _____

(Signature of Lessee or Attorney-in-fact)

LEASE TERMS

Sec. 1. Rentals—Rentals shall be paid to proper office of lessor in advance of each lease year. Annual rental rates per acre or fraction thereof are:

(a) Noncompetitive lease, $1.50 for the first 5 years; thereafter $2.00;
(b) Competitive lease, $1.50; for primary term; thereafter $2.00;
(c) Other, see attachment, or
as specified in regulations at the time this lease is issued.

If this lease or a portion thereof is committed to an approved cooperative or unit plan which includes a well capable of producing leased resources, and the plan contains a provision for allocation of production, royalties shall be paid on the production allocated to this lease. However, annual rentals shall continue to be due at the rate specified in (a), (b), or (c) for those lands not within a participating area.

Failure to pay annual rental, if due, on or before the anniversary date of this lease (or next official working day if office is closed) shall automatically terminate this lease by operation of law. Rentals may be waived, reduced, or suspended by the Secretary upon a sufficient showing by lessee.

Sec. 2. Royalties—Royalties shall be paid to proper office of lessor. Royalties shall be computed in accordance with regulations on production removed or sold. Royalty rates are:

(a) Noncompetitive lease, 12½%;
(b) Competitive lease, 12½%;
(c) Other, see attachment; or
as specified in regulations at the time this lease is issued.

Lessor reserves the right to specify whether royalty is to be paid in value or in kind, and the right to establish reasonable minimum values on products after giving lessee notice and an opportunity to be heard. When paid in value, royalties shall be due and payable on the last day of the month following the month in which production occurred. When paid in kind, production shall be delivered, unless otherwise agreed to by lessor, in merchantable condition on the premises where produced without cost to lessor. Lessee shall not be required to hold such production in storage beyond the last day of the month following the month in which production occurred, nor shall lessee be held liable for loss or destruction of royalty oil or other products in storage from causes beyond the reasonable control of lessee.

Minimum royalty in lieu of rental of not less than the rental which otherwise would be required for that lease year shall be payable at the end of each lease year beginning on or after a discovery in paying quantities. This minimum royalty may be waived, suspended, or reduced, and the above royalty rates may be reduced, for all or portions of this lease if the Secretary determines that such action is necessary to encourage the greatest ultimate recovery of the leased resources, or is otherwise justified.

An interest charge shall be assessed on late royalty payments or underpayments in accordance with the Federal Oil and Gas Royalty Management Act of 1982 (FOGRMA) (30 U.S.C. 1701). Lessee shall be liable for royalty payments on oil and gas lost or wasted from a lease site when such loss or waste is due to negligence on the part of the operator, or due to the failure to comply with any rule, regulation, order, or citation issued under FOGRMA or the leasing authority.

Sec. 3. Bonds—A bond shall be filed and maintained for lease operations as required under regulations.

Sec. 4. Diligence, rate of development, unitization, and drainage—Lessee shall exercise reasonable diligence in developing and producing, and shall prevent unnecessary damage to, loss of, or waste of leased resources. Lessor reserves right to specify rates of development and production in the public interest and to require lessee to subscribe to a cooperative or unit plan, within 30 days of notice, if deemed necessary for proper development and operation of area, field, or pool embracing these leased lands. Lessee shall drill and produce wells necessary to protect leased lands from drainage or pay compensatory royalty for drainage in amount determined by lessor.

Sec. 5. Documents, evidence, and inspection—Lessee shall file with proper office of lessor, not later than 30 days after effective date thereof, any contract or evidence of other arrangement for sale or disposal of production. At such times and in such form as lessor may prescribe, lessee shall furnish detailed statements showing amounts and quality of all products removed and sold, proceeds therefrom, and amount used for production purposes or unavoidably lost. Lessee may be required to provide plats and schematic diagrams showing development work and improvements, and reports with respect to parties in interest, expenditures, and depreciation costs. In the form prescribed by lessor, lessee shall keep a daily drilling record, a log, information on well surveys and tests, and a record of subsurface investigations and furnish copies to lessor when required. Lessee shall keep open at all reasonable times for inspection by any authorized officer of lessor, the leased premises and all wells, improvements, machinery, and fixtures thereon. and all books, accounts, maps, and records relative to operations, surveys, or investigation on or in the leased lands. Lessee shall maintain copies of all contracts, sales agreements, accountir records, and documentation such as billings, invoices, or similar documentation that suppor costs claimed as manufacturing, preparation, and/or transportation costs. All such records shall be maintained in lessee's accounting offices for future audit by lessor. Lessee shall maintain required records for 6 years after they are generated or, if an audit or investigation is underway, until released of the obligation to maintain such records by lessor.

During existence of this lease, information obtained under this section shall be closed to inspection by the public in accordance with the Freedom of Information Act (5 U.S.C. 552).

Sec. 6. Conduct of operations—Lessee shall conduct operations in a manner that minimizes adverse impacts to the land, air, and water, to cultural, biological, visual, and other resources, and to other land uses or users. Lessee shall take reasonable measures deemed necessary by lessor to accomplish the intent of this section. To the extent consistent with lease rights granted, such measures may include, but are not limited to, modification to siting or design of facilities, timing of operations, and specification of interim and final reclamation measures. Lessor reserves the right to continue existing uses and to authorize future uses upon or in the leased lands, including the approval of easements or rights-of-way. Such uses shall be conditioned so as to prevent unnecessary or unreasonable interference with rights of lessee.

Prior to disturbing the surface of the leased lands, lessee shall contact lessor to be apprised of procedures to be followed and modifications or reclamation measures that may be necessary. Areas to be disturbed may require inventories or special studies to determine the extent of impacts to other resources. Lessee may be required to complete minor inventories or short term special studies under guidelines provided by lessor. If in the conduct of operations, threatened or endangered species, objects of historic or scientific interest, or substantial unanticipated environmental effects are observed, lessee shall immediately contact lessor. Lessee shall cease any operations that would result in the destruction of such species or objects.

Sec. 7. Mining operations—To the extent that impacts from mining operations would be substantially different or greater than those associated with normal drilling operations, lessor reserves the right to deny approval of such operations.

Sec. 8. Extraction of helium—Lessor reserves the option of extracting or having extracted helium from gas production in a manner specified and by means provided by lessor at no expense or loss to lessee or owner of the gas. Lessee shall include in any contract of sale of gas the provisions of this section.

Sec. 9. Damages to property—Lessee shall pay lessor for damage to lessor's improvements, and shall save and hold lessor harmless from all claims for damage or harm to persons or property as a result of lease operations.

Sec. 10. Protection of diverse interests and equal opportunity—Lessee shall: pay when due all taxes legally assessed and levied under laws of the State or the United States; accord all employees complete freedom of purchase; pay all wages at least twice each month in lawful money of the United States; maintain a safe working environment in accordance with standard industry practices; and take measures necessary to protect the health and safety of the public.

Lessor reserves the right to ensure that production is sold at reasonable prices and to prevent monopoly. If lessee operates a pipeline, or owns controlling interest in a pipeline or a company operating a pipeline, which may be operated accessible to oil derived from these leased lands, lessee shall comply with section 28 of the Mineral Leasing Act of 1920.

Lessee shall comply with Executive Order No. 11246 of September 24, 1965, as amended, and regulations and relevant orders of the Secretary of Labor issued pursuant thereto. Neither lessee nor lessee's subcontractors shall maintain segregated facilities.

Sec. 11. Transfer of lease interests and relinquishment of lease—As required by regulations, lessee shall file with lessor any assignment or other transfer of an interest in this lease. Lessee may relinquish this lease or any legal subdivision by filing in the proper office a written relinquishment, which shall be effective as of the date of filing, subject to the continued obligation of the lessee and surety to pay all accrued rentals and royalties.

Sec. 12. Delivery of premises—At such time as all or portions of this lease are returned to lessor, lessee shall place affected wells in condition for suspension or abandonment, reclaim the land as specified by lessor and, within a reasonable period of time, remove equipment and improvements not deemed necessary by lessor for preservation of producible wells.

Sec. 13. Proceedings in case of default—If lessee fails to comply with any provisions of this lease, and the noncompliance continues for 30 days after written notice thereof, this lease shall be subject to cancellation unless or until the leasehold contains a well capable of production of oil or gas in paying quantities, or the lease is committed to an approved cooperative or unit plan or communitization agreement which contains a well capable of production of unitized substances in paying quantities. This provision shall not be construed to prevent the exercise by lessor of any other legal and equitable remedy, including waiver of the default. Any such remedy or waiver shall not prevent later cancellation for the same default occurring at any other time. Lessee shall be subject to applicable provisions and penalties of FOGRMA (30 U.S.C. 1701).

c. 14. Heirs and successors-in-interest—Each obligation of this lease shall extend to and be ding upon, and every benefit hereof shall inure to the heirs, executors, administrators, essors, beneficiaries, or assignees of the respective parties hereto.

☆ U.S. Government Printing Office: 1988—573-017/96009

Form 3109–1
(December 1972)
(formerly 3103–1)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

LEASE STIPULATIONS

BUREAU OF RECLAMATION

The lessee agrees to maintain, if required by the lessor during the period of this lease, including any extension thereof, an additional bond with qualified sureties in such sum as the lessor, if it considers that the bond required under Section 2(a) is insufficient, may at any time require:

(a) to pay for damages sustained by any reclamation homestead entryman to his crops or improvements caused by drilling or other operations of the lessee, such damages to include the reimbursement of the entryman by the lessee, when he uses or occupies the land of any homestead entryman, for all construction and operation and maintenance charges becoming due during such use or occupation upon any portion of the land so used and occupied;

(b) to pay any damage caused to any reclamation project or water supply thereof by the lessee's failure to comply fully with the requirements of this lease; and

(c) to recompense any nonmineral applicant, entryman, purchaser under the Act of May 16, 1930 (46 Stat. 367), or patentee for all damages to crops or to tangible improvements caused by drilling or other prospecting operations, where any of the lands covered by this lease are embraced in any nonmineral application, entry, or patent under rights initiated prior to the date of this lease, with a reservation of the oil deposits, to the United States pursuant to the Act of July 17, 1914 (38 Stat. 509).

As to any lands covered by this lease within the area of any Government reclamation project, or in proximity thereto, the lessee shall take such precautions as required by the Secretary to prevent any injury to the lands susceptible to irrigation under such project or to the water supply thereof; *provided* that drilling is prohibited on any constructed works or right-of-way of the Bureau of Reclamation, and *provided, further,* that there is reserved to the lessor, its successors and assigns, the superior and prior right at all times to construct, operate, and maintain dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures, and reclamation works, in which construction, operation, and maintenance, the lessor, its successors and assigns, shall have the right to use any or all of the lands herein described without making compensation therefor, and shall not be responsible for any damage from the presence of water thereon or on account of ordinary, extraordinary, unexpected, or unprecedented floods. That nothing shall be done under this lease to increase the cost of, or interfere in any manner with, the construction, operation, and maintenance of such works. It is agreed by the lessee that, if the construction of any or all of said dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone or telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures or reclamation works across, over, or upon said lands should be made more expensive by reason of the existence of the improvements and workings of the lessee thereon, said additional expense is to be estimated by the Secretary of the Interior, whose estimate is to be final and binding upon the parties hereto, and that within thirty (30) days after demand is made upon the lessee for payment of any such sums, the lessee will make payment thereof to the United States, or its successors, constructing such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures, or reclamation works, across, over, or upon said lands; *provided, however,* that subject to advance written approval by the United States, the location and course of any improvements or works and appurtenances may be changed by the lessee; *provided, further,* that the reservations, agreements, and conditions contained in the within lease shall be and remain applicable notwithstanding any change in the location or course of said improvements or works of lessee. The lessee further agrees that the United States, its officers, agents, and employees, and its successors and assigns shall not be held liable for any damage to the improvements or workings of the lessee resulting from the construction, operation, and maintenance of any of the works hereinabove enumerated. Nothing in this paragraph shall be construed as in any manner limiting other reservations in favor of the United States contained in this lease.

THE LESSEE FURTHER AGREES That there is reserved to the lessor, its successors and assigns, the prior right to use any of the lands herein leased, to construct, operate, and maintain dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures, and also the right to remove construction materials therefrom, without any payment made by the lessor or its successors for such right, with the agreement on the part of the lessee that if the construction of any or all of such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures across, over, or upon said lands or the removal of construction materials therefrom, should be made more expensive by reason of the existence of improvements or workings of the lessee thereon, such additional expense is to be estimated by the Secretary of the Interior, whose estimate is to be final and binding upon the parties hereto, and that within thirty (30) days after demand is made upon the lessee for payment of any such sums, the lessee will make payment thereof to the United States or its successors constructing such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures across, over, or upon said lands or removing construction materials therefrom. The lessee further agrees that the lessor, its officers, agents, and employees and its successors and assigns shall not be held liable for any damage to the improvements or workings of the lessee resulting from the construction, operation, and maintenance of any of the works herein above enumerated. Nothing contained in this paragraph shall be construed as in any manner limiting other reservations in favor of the lessor contained in this lease.

(Signature of Lessee)

(Continued on reverse)

UNITED STATES DEPARTMENT OF THE INERIOR
BUREAU OF LAND MANAGEMENT
NEW MEXICO STATE OFFICE
Post Office and Federal Building
P. O. Box 1449
Sante Fe, New Mexico 87504-1449

STIPULATION FOR ACQUIRED OIL AND GAS LEASE OK NM _____FOR LANDS OWNED BY OKLAHOMA STATE UNIVERSITY (OSU)

Lake Carl Blackwell

No occupancy or other activity on the surface of the following described lands:

This no surface occupancy stipulation is to protect Lake Carl Blackwell and associated facilities owned by the OSU.

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEW MEXICO STATE OFFICE
Post Office and Federal Building
P. O. Box 1449
Santa Fe, New Mexico 87504-1449

STIPULATION FOR ACQUIRED OIL AND GAS LEASE OK NM _____ FOR LANDS OWNED BY OKLAHOMA STATE UNIVERSITY (OSU)

Lake Carl Blackwell

Prior to conducting operations on these lands, a plan of operations must be approved by the Tulsa District Office of the Bureau of Land Management. Any drilling, construction, or other operations on the leased lands are subject to site-specific stipulations as may be necessary to assure reasonable protection of Lake Carl Blackwell and associated facilities owned by the OSU. A plan shall not be approved if it will result in unacceptable impacts on any land use or the environment.

R E S O L U T I O N

G-12-82

FILED

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OKLAHOMA SECRETARY OF STATE

REGULATIONS FOR MINERAL EXPLORATION AND PRODUCTION ON LANDS OWNED BY THE OKLAHOMA DEPARTMENT OF WILDLIFE CONSERVATION

The Oklahoma Wildlife Conservation Commission, by authority granted in Article XXVI of the Oklahoma Constitution and in 29 O.S. 1981, Section 3-102, and 8-104, and in accordance with 75 O.S. 1981, Sections 301-326, and 52 O.S. (1982 Supplement), Sections 318.2-318.9, does hereby adopt the following regulations and surface damage agreement to govern oil, gas, and other mineral exploration and production on Department owned and managed lands. The regulations herein contained shall be prospective only and are not intended to alter or abridge agreements heretofore executed.

I. At least fourteen (14) days prior to entering to drill or moving any equipment onto Department property, the operator will:

A. Enter into a written surface agreement with the Department as provided by 52 O.S. (1982 Supplement), Section 318.2-318.9. The Department's Surface Agreement is included as Section VII of this Resolution.

B. Provide the Department a copy of the approved notice of intent to drill (Corporation Commission Form 1000), an estimate of drilling time, and an area map generally showing the proposed locations and dimensions of the:

1. Roads
2. Drilling Pad
3. Reserve Pit
4. Service Area (including pumps, flowlines, separator, meter house, pulsation bottle, compressor, storage tanks, and water tanks).
5. Water Source (pumping of water from Department ponds or lakes will be allowed only when a surplus is available and then a fee of no less than $50.00 per day for pumping will be paid by the operator to the Department in advance, unless other arrangements have been made with the Department).

C. Provide the Department a list of the names, addresses, and telephone numbers of responsible personnel involved with the drilling, subsequent operation, and restoration.

II. Regulations for Site Development:

A. Roads:

The existing management area roads will be used whenever possible. If additional roads must be constructed by the operator, they shall:

1. Follow the natural land contour if reasonable and possible.
2. Be a maximum of 24 feet wide, including shoulders and ditches.
3. Possess a base sufficient to support vehicles and equipment using it.
4. Be sufficiently ditched with culverts, water bars, and turnoffs that will provide adequate drainage and prevent erosion.
5. After completion of drilling, all roads not a part of the management area system will be gated, locked, and, if necessary, bermed to exclude all unauthorized personnel. Locks and non-reproducible keys may be provided by the Department at cost. Such measures shall not be necessary when the operator's roads are secured by existing Department gates.

B. Drilling Pad:

1. Drilling pad shall not exceed 300 feet x 300 feet. Deviations are negotiable when justified by special conditions such as well depth and necessary equipment.
2. When directed by the Department, drilling pad must be enclosed within a berm to prevent escape of any deleterious substance from the drilling operation.

C. Reserve Pit:

1. Reserve pit will not exceed 160 feet x 160 feet unless justified by special conditions, such as wells over 14,000 feet deep may have a pit 200 feet x 200 feet.
2. If drilling mud will not provide an immediate water seal, the pit must be lined with a manufactured liner not less than 30 mils thick or with soil seal not less than 12 inches thick and a coefficient of permeability not greater than 10^{-7} CM/SEC.
3. Pits must be constructed and maintained to not receive water from the surrounding watershed and the fluid level in each pit must be at least 18 vertical inches below the lowest point of the embankment.
4. After the drilling rig is moved from the site, pits shall be enclosed in a woven wire perimeter fence on steel posts and no less than 4 feet high.
5. If deleterious fluids other than fresh water drilling fluids are used in drilling or work over operations, these fluids shall be stored as required by Corporation Commission Rule 3-104(b) in pits lined with 30 mil liner or in metal tanks.

D. General Rules for Site Preparation:

1. If any trees and shrubs are removed by road construction, pad preparation, pit construction, or any other site

preparation, they will be piled at nearby locations for wildlife shelter as recommended by the Area Manager.

2. Unless otherwise directed by the Department, a minimum of 6 inches of topsoil will be removed for road construction or any site preparation and it will be stored in topsoil stockpiles for later restoration. When topsoils are less than 6 inches, the available topsoil will be stockpiled.
3. During site preparation, the road and site will be kept free of trash and litter. Litter blown or thrown out of the work area will be picked up.
4. Disposal of solid waste will be in accordance with provisions of the "Oklahoma Solid Waste Management Act" and "Rules and Regulations" of the State Board of Health promulgated thereto.

III. Regulations for Producing Wells:

A. Within thirty (30) days after completion of the well, the operator will provide the Department a copy of the completion notice (Corporation Commission Form 1002A).

B. A service area of 150 feet by 150 feet will be allowed around the well head unless special conditions justify a larger area.

1. The remainder of the area will be covered with topsoil and restored by tilling, fertilizing (at rate and formula recommended by the nearest SCS Office), and seeding with a seed mixture and rate recommended by the Department.
2. Where livestock grazing occurs, the service area will be fenced with four strands of barbwire on steel posts. If the well is located within 300 feet of a residence, camping area, shooting range, or other high use area, the service area and tank batteries will be enclosed with a 6 foot chain-link fence.
3. All pumps, storage tanks, and other containers containing potential pollutants will be surrounded by a berm of sufficient height to contain 1½ times the entire volume of the largest container inside. These berms must be graveled or fertilized and seeded.
4. Any valves and equipment that could cause pollution to the surrounding area will be secured to prevent discharge. All leaks from tanks, lines, pipes, and stuffing boxes must be stopped immediately upon detection or notification and repaired as soon as possible.
5. All permanent equipment must be powered electrically or equipped with mufflers that are maintained in good working condition.
6. All equipment in the service area must be kept painted and maintained regularly. Silver or natural color paint may be used.

7. Pipelines outside of the immediate service area must be buried at least 30 inches below the surface unless prohibited by rocks or other conditions.
8. The service area shall be kept clean of trash, debris, empty barrels, old pipes, and any other equipment or materials not being used. Spilled salt water and hydrocarbons shall be cleaned up promptly.
9. Unused topsoil in stockpile shall be fertilized and seeded to preserve it.

C. Reserve Pits:

In no instances will pits be allowed to remain more than 12 months after completion notice date. Remaining contents of reserve pits will be pumped into tank trucks and hauled off. In instances where test results show that the pit content is only fresh water, disposal will be as prescribed by the Corporation Commission and Wildlife Department. Where pit contents contain a substance deleterious to vegetation or wildlife, pit restoration must be accomplished within 60 days of completion date.

1. Reserve pit will be backfilled with material from its embankments, and the remaining embankment may be used to elevate the service area.
2. Pit area will be covered with topsoil from the topsoil stockpile, and fertilized and revegetated as described in Section III, B, 1, above.

D. Roads:

Roads constructed by the operator, including culverts, ditches, turnouts, water bars, gates, and cattle guards will be maintained at operator's expense.

1. All locks and keys issued by the Department will be at cost and the operator will provide the Area Manager a list of names of persons with keys.
2. Operator will repair any excessive damage to area roads at his expense.
3. Operators will pay a portion of the annual maintenance of wildlife area roads they use. This fee will be assessed annually and it will be prorated on the basis of the use by the operator, his employees, or anyone working for the operator or anyone hauling oil, gas, or equipment to the well.
4. Roads not needed for access to the producing well and not part of the wildlife area road system will be obliterated by tilling compacted surfaces, restored to approximate original contour, reterraced, covered with topsoil, and revegetated as described in Section III, B, 1, above, at operator's expense.

IV. Regulations for Non-Producing Wells:

A. If a well is declared dry or abandoned, the operator will plug the well as required by the Corporation Commission and will supply the Department a copy of the plugging record (Corporation Commission Form 1003) within 30 days from the plugging date.

B. Restoration of the drilling area, roads, and reserve pit will be accomplished within 180 days of plugging date.

1. Drilling pad fill material will be removed within two feet of original contour and the area will be covered with topsoil and revegetated as described in Section III, B, 1, above.
2. Reserve pit and roads will be restored as described in Sections III, C; and III, D, 4, above.

V. General Regulations and Provisions:

A. Basic damage and use charges will be assessed according to Commission Policy F-3, Mineral and Related Charges on Department Lands.

B. At no time will personnel involved in oil and gas activities (except authorized security personnel) be permitted to carry firearms or other hunting or trapping equipment onto an area unless the equipment is appropriate to a season open on the area at the time and the individuals(s) would otherwise be authorized to hunt.

C. In addition to the damage costs in V, A, the full value of any merchantable timber (as determined by the Department) removed from roads, drilling pads and pit sites shall also be paid by the operator.

D. Consideration may be given to recovering damage compensation as services on the area in lieu of cash payment with such services rendered prior to or during drilling. Examples of compensation include clearing, fertilizing, and seeding perimeter and interior firebreaks or upgrading the road system.

E. Oil and gas activities will be avoided in or near any previously identified fragile or unique areas. However, fragile or unique areas will not preclude unitization if damage to said fragile or unique areas can be prevented. Examples of fragile and unique areas include: red-cockaded woodpecker colonies, potential red-cockaded woodpecker restoration sites, fragile environments such as natural lakes and bogs, turkey roosts, wetlands, wintering bald eagle roosts and populations of endangered plants. Exploration may proceed if directional drilling from adjacent areas is feasible. On Department owned leases, such areas

shall be identified prior to leasing and any area with substantial quantities of such habitats will not be leased for drilling.

F. The Department reserves the right to deny the initiation of exploration during the following major hunting periods.
1. Second weekend in October through December 1 (Deer Season).
2. Weekend closest to April 1 through May 1 (Spring Turkey Season).

The species resident on an area and their importance will determine which periods will apply. Any such potential closures will be determined and made known prior to leasing or prior to entering to drill. For purposes of this section "initiation of exploration" is defined as the beginning of site preparation.

G. Major well reworking and servicing are extremely undesirable during the above periods and routine checking or trucking will be discouraged during the time from two hours before sunset to two hours after sunrise.

H. Oil and gas exploration and development activities will not prevent hunters and anglers from using wildlife resources or from freely pursuing their activities in the Wildlife Management Area.

I. Each operator will deposit with the Department a performance surety bond of Ten Thousand Dollars ($10,000) from a surety company licensed to do business in this state. Only one bond will be required from each operator if the operator has ten (10) or fewer wells on Department property. If the operator has more than ten (10) wells on Department property, an additional One Thousand Dollars ($1,000) bonding per well will be required. This bond will be conditioned on the observance and compliance with terms 1, 2, 7, 11, 12, 14, and 18 of the surface agreement. This bond will be subject to forfeiture to the Department if the operator fails to comply with terms 1, 2, 7, 11, 12, 14, and 18 of the surface agreement. This bond will be maintained at Ten Thousand Dollars ($10,000) and it shall remain in effect as long as the operator is drilling or operating a well on Department lands, or until released by the Department.

J. A minimum fee of $100.00 to a maximum of $500.00 will be assessed for each drilling site to compensate for diverting Department personnel's time to monitoring well drilling and operating activities from normal duties.

VI. Disposal Wells:

A. Saltwater, other than that produced on Department lands may not be disposed of in wells on Department land, unless otherwise approved by the Department.

B. Operator requesting salt water disposal well agreements must supply the Department in advance a plat showing the location of all wells from which the salt water is produced. Operator will conform with Oklahoma Corporation Commission Underground Injection Control rules.

C. Prior to the use of a disposal well, the operator shall submit to the Department a copy of approved Corporation Commission Form 1015.

D. The charge for operation of a disposal well on Department lands is $50.00 per month payable in advance. The fee shall apply to both new and converted wells.

VII. Surface Contract Agreement for Oil and Gas Operations and Drilling on Lands of the Oklahoma Department of Wildlife Conservation.

_____ Re: _____

Operator's Name — Well Location (10 Acre Description)

_____ _____

Operator's Address — (Well Name)

Operator's Telephone Number

This Agreement, made and entered into in duplicate, on this _____ day of _____, 19_____, by and between the Director of the Oklahoma Department of Wildlife Conservation, hereinafter referred to as the Department, and _____, hereinafter referred to as the Operator, who has requested permission to drill or operate an oil and/or gas well, tank battery, or compression station on Department lands. This Agreement and all stipulations included within the surface agreement contract as provided in 52 O.S. (1982 Supplement), Section 318.2-318.9, are hereby accepted as legal and binding to both parties.

Upon a determination by the Department that the operator has failed to comply with this agreement, a notice of such failure shall be given to the undersigned operator at the address shown herein by registered mail, return receipt requested. The operator shall have no more than 14 days after receipt of the notice to correct such failure or to (1) satisfy the Department that no failure occurred or (2) enter into an agreement with the Department providing a greater period of time to make correction.

If compliance is not accomplished by the operator or an agreement with the Department rendered within the specified time period, the operator shall discontinue all oil and/or gas exploration, production and sales from the above referenced well.

The operator does hereby agree to comply with the following stipulations

1. The operator shall pay the Department _____ damage and monitoring charges for the above referenced well prior to entering the well site.

2. The operator shall provide the Department a good and sufficient performance surety bond from a surety company licensed to do business in this state in the sum of Ten Thousand Dollars ($10,000). If the operator has ten (10) or fewer wells on Department property, only one bond of Ten Thousand Dollars ($10,000) shall be required. If the operator has more than ten (10) wells on Department property, an additional One Thousand Dollars ($1,000) bonding per well will be required. The bond will be conditioned on the observance and compliance with items 1, 2, 7, 11, 12, 14, and 18 of this surface agreement.

   This bond shall be subject to forfeiture to the Department upon noncompliance of any terms in items 1, 2, 7, 11, 12, 14, and 18 of this surface agreement. This bond shall remain in effect as long as the operator is drilling or operating a well on Department lands or until released by the Oklahoma Department of Wildlife Conservation.

3. Prior to entering the property and initiating any drilling preparation or activity, the operator shall provide the Department a copy of the approved notice of intent to drill (Corporation Commission Form 1000).

4. Prior to entering the property to drill, the operator shall provide the Department the length, width, and location of the well site; length, width, and location of all pits; and the length, width, and location of the roadways and any other support structures the operator will need to construct.

5. Prior to entering to drill, the operator shall provide the Department an estimated time to drill, and a statement of where water will be obtained. If water is to be used from a Department-owned source, the operator shall make arrangements to purchase water from the Department according to current Department Policy.

6. If shrubs or trees are removed in clearing for roads or the drilling site, the operator shall stack brush in piles and locate piles as directed by the Department's Area Manager.

7. If any oil or gas activity damages any trees, shrubs, Department crops, improvements, shooting ranges, fences, gates, land, residences, roads camping facilities, or any other permanent structures or allows pollution to enter in a pond, lake, stream, river, or flow over the land surface, the operator shall promptly clean up the pollution, shall repair any damage, and/or pay for the damages as assessed by the Department.

8. The operator agrees to pay a sum, either annually or upon demand, for maintenance of Department roads used by the Operator, his employees, or anyone working for the operator, or anyone hauling oil, gas, wastes, or equipment for the operator. This sum will be determined by the Department and it shall be equal to the proportionate use (including amount of traffic as well as weight of traffic) of the road by the operator and all oil and gas related traffic to and from the well site.

9. The operator shall install and maintain signs at the well site, and at the tank battery. These signs shall include the name, address, and telephone number of the operator, plus the well name and legal location.

10. Within 30 days after completion, the operator shall provide the Department a copy of the completion notice (Corporation Commission Form 1002A).

11. If well is dry, the operator, at his expense, shall plug the well, pump the reserve pit dry, level the area, reseed the area, and restore it to approximate original condition within 180 days.

12. Within 12 months from completion (date as shown on Corporation Commission Form 1002A) of the well, the operator shall pump the reserve pit dry, level the area, reseed the area, and restore it to its approximate original condition. If a circulation pit or fracture pit is needed, the operator shall pump the pit dry, level it, and restore it within 60 days after completion of drilling or fracturing operations.

13. The operator shall bury all collection pipelines outside the immediate service area as requested by the Department.

14. The operator shall enclose the tank batteries, and production equipment in an impermeable dike. Dikes around tank batteries shall be of a height sufficient to contain one and one-half times the volume of the largest container within.

15. The operator shall install and maintain a lockable gate at the entrance road to the well site.

16. If the well is located within 300 feet of a residence, cabin, camping area, shooting range, parking area, or other high use public area, the pump area and tank batteries shall be enclosed with a 6 foot chain-link perimeter fence.

17. If at any time during the existence of this well, the operator changes, the Department will be notified immediately and any new operator shall sign a new agreement, and shall observe and fulfill all requirements and stipulations of this agreement, and shall furnish a copy of new bonds to replace the existing bonds.

18. If the well is abandoned, the operator shall restore, at his expense, the area (including roads and fences) to its approximate original condition within 90 days from plugging date. If not, the Department will make demand on the bond and use whatever funds are needed for the restoration.

19. At no time will employees of the operator or anyone hauling oil, gas, wastes, or equipment for the operator to and from the site carry firearms or trapping equipment on the area unless the equipment is appropriate to a season open on the area at the time and the individual(s) would otherwise be authorized to hunt. An exception will be made for security personnel if prior arrangement is made with the Department.

20. All non-electrical motorized equipment will have noise mufflers properly installed, properly functioning, and maintained at all times.

21. The operator shall provide the Department a copy of the corporate surety bond or letter of credit in the amount of Twenty-Five Thousand Dollars ($25,000) that is on file with the Secretary of State of Oklahoma as required by Statute.

22. Unless prohibited by law or the rules and regulations of other state or federal agencies having jurisdiction thereof, the Department may, after a hearing in which the operator may show cause why any time limit required herein is unreasonable, extend such times for a reasonable length of time.

_____
Director, Oklahoma Department of Wildlife Conservation

State of Oklahoma)
County of Oklahoma) ss

Before me, the undersigned, a Notary Public, in said County and State on this _____ day of _____, 19____, personally appeared _____, known to me to be the identical person who signed the foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes set forth.

_____
Notary Public

My Commission Expires _____

_____
Signature of Principal Agent or Owner

Representing _____
Operating Company Name and Address

State of _____)
County of _____) ss

Before me, the undersigned, a Notary Public, in said County and State on this _____ day of _____, 19____, personally appeared _____, known to me to be the identical person who signed the foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes set forth.

_____
Notary Public

My Commission Expires _____

DATED this 8th day of November, 1982, in Oklahoma City, Oklahoma.

OKLAHOMA WILDLIFE CONSERVATION COMMISSION

CHAIRMAN

ATTEST:

SECRETARY

MEMBERS

A-12

MINERAL EXPLORATION AND PRODUCTION ON DEPARTMENT LANDS

The following regulations and surface damage agreement were adopted to govern oil, gas, and other mineral exploration and production on Department owned and managed lands. The regulations herein contained shall be prospective only and are not intended to alter or abridge agreements heretofore executed.

1. At least fourteen (14) days prior to entering to drill or moving any equipment onto Department property, the operator will:

a. Enter into a written surface agreement with the Department as provided by 52 O.S., 1982 Supplement, Section 318.2-318.9 The Department's Surface Agreement is included as Section VII of Resolution G-12-82.

b. Provide the Department a copy of the approved notice of intent to drill (Corporation Commission Form 1000), an estimate of drilling time, and an area map generally showing the proposed locations and dimensions of the:

(1) Roads

(2) Drilling Pad

(3) Reserve Pit

(4) Service Area (including pumps, flowlines, separator, meter house, pulsation bottle, compressor, storage tanks, and water tanks).

(5) Water Source (pumping of water from Department ponds or lakes will be allowed only when surplus is available and then a fee of no less than as estabished by Commission per day for pumping will be paid by the operator to the Department in advance, unless other arrangements have been made with the Department).

c. Provide the Department a list of names, addresses, and telephone numbers of responsible personnel involved with the drilling, subsequent operation, and restoration.

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2. Regulations for Site Development

a. Roads

The existing management area roads will be used whenever possible. If additional roads must be constructed by the operator, they shall:

(1) Follow the natural land contour if reasonable and possible.

(2) Be a maximum of 24 feet wide, including shoulders and ditches.

(3) Possess a base sufficient to support vehicles and equipment using it.

(4) Be sufficiently ditched with culverts, water bars, and turnoffs that will provide adequate drainage and prevent erosion.

(5) After completion of drilling, all roads not a part of the management area system will be gated, locked, and, if necessary, bermed to exclude all unauthorized personnel. Locks and non-reproducible keys may be provided by the Department at cost. Such measures shall not be necessary when the operator's roads are secured by existing Department gates.

b. Drilling Pad

(1) Drilling pad shall not exceed 300 feet x 300 feet. Deviations are negotiable when justified by special conditions such as well depth and necessary equipment.

(2) When directed by the Department, drilling pad must be enclosed within a berm to prevent escape of deleterious substance from the drilling operation.

c. Reserve Pit

(1) Reserve pit will not exceed 160 feet x 160 feet unless justified by special conditions, such as wells over 14,000 feet deep may have a pit 200 feet x 200 feet.

(2) If drilling mud will not provide an immediate water seal, the pit must be lined with a manufactured liner not less than 30 mils thick or with soil seal not less than 12 inches thick and a coefficient of permeability not greater than 10^{-7} CM/SEC.

(3) Pits must be constructed and maintained to not receive water from the surrounding watershed and the fluid level in each pit must be at least 18 vertical inches below the lowest point of the embankment.

(4) After the drilling rig is moved from the site, pits shall be enclosed in a woven wire perimeter fence on steel posts and no less than four feet high.

(5) If deleterious fluids other than fresh water drilling fluids are used in drilling or work over operations, these fluids shall be stored as required by Corporation Commission Rule 3-104(b) in pits lined with 30 mil liner or in metal tanks.

d. General Rules for Site Preparation

(1) If any trees and shrubs are removed by road construction, pad preparation, pit construction, or any other site preparation, they will be piled at nearby locations for wildlife shelter as recommended by the Area Manager.

(2) Unless otherwise directed by the Department, a minimum of six inches of topsoil will be removed for road construction or any site preparation and it will be stored in topsoil stockpiles for later restoration. When topsoils are less than six inches, the available topsoil will be stockpiled.

(3) During site preparation, the road and site will be kept free of trash and litter. Litter blown or thrown out of the work area will be picked up.

(4) Disposal of solid waste will be in accordance with provisions of the "Oklahoma Solid Waste Management Act" and "Rules and Regulations" of the State Board of Health promulgated thereto.

3. Regulations for Producing Wells

a. Within thirty (30) days after completion of the well, the operator will provide the Department a copy of the completion notice (Corporation Commission Form 1002A).

b. A service area of 150 feet by 150 feet will be allowed around the well head unless special conditions justify a larger area.

(1) The remainder of the area will be covered with topsoil and restored by tilling, fertilizing (at rate and formula recommended by the nearest SCS Office), and seeding with a seed mixture and rate recommended by the Department.

(2) Where livestock grazing occurs, the service area will be fenced with four strands of barbwire on steel posts. If the well is located within 300 feet of a residence, camping area, shooting range, or other high use area, the service area and tank batteries will be enclosed with a six-foot chain-link fence.

(3) All pumps, storage tanks, and other containers containing potential pollutants will be surrounded by a berm of sufficient height to contain 1½ times the entire volume of the largest container inside. These berms must be graveled or fertilized and seeded.

(4) Any valves and equipment that could cause pollution to the surrounding area will be secured to prevent discharge. All leaks from tanks, lines, pipes, and stuffing boxes must be stopped immediately upon detection or notification and repaired as soon as possible.

(5) All permanent equipment must be powered electrically or equipped with mufflers that are maintained in good working condition.

(6) All equipment in the service area must be kept painted and maintained regularly. Silver or natural color paint may be used.

(7) Pipelines outside of the immediate service area must be buried at least 30 inches below the surface unless prohibited by rocks or other conditions.

(8) The service area shall be kept clean of trash, debris, empty barrels, old pipes, and any other equipment or materials not being used. Spilled salt water and hydrocarbons shall be cleaned up promptly.

(9) Unused topsoil in stockpile shall be fertilized and seeded to preserve it.

c. Reserve Pits

In no instances will pits be allowed to remain more than 12 months after completion notice date. Remaining contents of reserve pits will be pumped into

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tank trucks and hauled off. In instances where test results show that the pit content is only fresh water, disposal will be as prescribed by the Corporation Commission and Wildlife Department. Where pit contents contain a substance deleterious to vegetation or wildlife, pit restoration must be accomplished within 60 days of completion date.

(1) Reserve pit will be backfilled with material from its embankments, and the remaining embankment may be used to elevate the service area.

(2) Pit area will be covered with topsoil from the topsoil stockpile, and fertilized and revegetated as described in Section 3, b (1) above.

d. Roads

Roads constructed by the operator, including culverts, ditches, turnouts, water bars, gates, and cattle guards will be maintained at operator's expense.

(1) All locks and keys issued by the Department will be at cost and the operator will provide the Area Manager a list of names of persons with keys.

(2) Operator will repair any excessive damage to area roads at own expense.

(3) Operators will pay a portion of the annual maintenance of wildlife area roads they use. This fee will be assessed annually and it will be prorated on the basis of the use by the operator, his employees, or anyone working for the operator or anyone hauling oil, gas, or equipment to the well.

(4) Roads not needed for access to the producing well and not part of the wildlife area road system will be obliterated by tilling compacted surfaces, restored to approximate original contour, reterraced, covered with topsoil, and revegetated as described in Section 3, b, (1), above at operator's expense.

4. Regulations for Non-Producing Wells

a. If a well is declared dry or abandoned, the operator will plug the well as required by the Corporation Commission and will supply the Department a copy of the plugging record (Corporation Commission Form 1003) within 30 days from the plugging date.

b. Restoration of the drilling area, roads, and reserve pit will be accomplished within 120 days of plugging date.

(1) Drilling pad fill material will be removed within two feet of original contour and the areas will be covered with topsoil and revegetated as described in Section 3, b, (1), above.

(2) Reserve pit and roads will be restored as described in Sections 3, c and 3, d, (4), above.

5. General Regulations and Provisions

a. Basic damage and use charges will be assessed according to Commission Policy F-3, Mineral and Miscellaneous charges

b. At no time will personnel involved in oil and gas activities (except authorized security personnel) be permitted to carry firearms or other hunting or trapping equipment onto an area unless the equipment is appropriate to a season open on the area at the time and the individual (s) would otherwise be authorized to hunt.

c. In addition to the damage costs in Section 5, a, the full value of any merchantable timber (as determined by the Department) removed from roads, drilling pads and pit sites shall also be paid by the operator.

d. Consideration may be given to recovering damage compensation as services on the area in lieu of cash payment with such services rendered prior to or during drilling. Examples of compensation include clearing, fertilizing, and seeding perimeter and interior firebreaks or upgrading the road system.

e. Oil and gas activities will be avoided in or near any previously identified fragile or unique areas. However, fragile or unique areas will not preclude unitization of damage to said fragile or unique areas can be prevented. Examples of fragile and unique areas include: red-cockaded woodpecker colonies, potential red-cockaded woodpecker restoration sites, fragile environments such as natural lakes and bogs, turkey roosts, wetlands, wintering bald eagle roosts and populations of endangered plants. Exploration may proceed if directional drilling from adjacent areas is feasible. On Department owned leases, such areas shall be identified prior to leasing and any area with substantial quantities of such habitats will not be leased for drilling.

f. The Department reserves the right to deny the initiation of exploration during major hunting periods.

The species resident on an area and their importance will determine which periods will apply. Any such potential closures will be determined and made known prior to leasing or prior to entering to drill. For purposes of this section "initiation of exploration" is defined as the beginning of site preparation.

g. Major well reworking and servicing are extremely undesirable during the above periods and routine checking or trucking will be discouraged during the time from two hours before sunset to two hours after sunrise.

h. Oil and gas exploration and development activities will not prevent hunters and anglers from using wildlife resources or from freely pursuing their activities in the Wildlife Management Area.

i. Each operator will deposit with the Department a performance surety bond of Ten Thousand Dollars ($10,000) from a surety company licensed to do business in this state. Only one bond will be required from each operator if the operator has ten (10) or fewer wells on Department property. If the operator has more than ten (10) wells on Department property, an additional One Thousand Dollars ($1,000) bonding per well will be required. This bond will be conditioned on the observance and compliance with terms 1, 2, 7, 11, 12, 14, and 18, of the surface agreement. This bond will be subject to forfeiture to the Department if the operator fails to comply with terms 1, 2, 7, 11, 12, 13, and 18 of the surface agreement. This bond will be maintained at Ten Thousand Dollars ($10,000) and it shall remain in effect as long as the operator is drilling or operating a well on Department lands, or until released by the Department.

j. A fee as set by Commission will be assessed for each drilling site to compensate for diverting Department personnel's time to monitoring well drilling and operating activities from normal duties.

6. Disposal Wells

a. Saltwater, other than that produced on Department lands may not be disposed of in wells on Department land, unless otherwise approved by the Department.

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b. Operator requesting salt water disposal well agreements must supply the Department in advance a plat showing the location of all wells from which the salt water is produced. Operator will conform with the Corporation Commission Underground Injection Control rules.

c. Prior to the use of a disposal well, the operator shall submit to the Department a copy of approved Corporation Commission Form 1015.

d. The charge for operation of a disposal well on Department lands will be as per Commission Policy. The fee shall apply to both new and converted wells.

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GLOSSARY

GLOSSARY

ADVISORY COUNCIL ON HISTORIC PRESERVATION (ACHP) - A federal council that reviews the actions taken by agency officials which affect historic properties (cultural resources).

ALTERNATIVE - The different ways of addressing the planning issue(s) and management activities considered in the planning process. These provide the decision maker and the public a clear basis for choices among options. Every planning effort involves the development of several complete, reasonable alternatives for resolving the issue(s). One of the alternatives offered is the continuation of present management (no change) while the other alternatives provide a range of choices for resolution of the issues. One of the alternatives is selected at the end of the planning process and approved as the plan.

AUTHORIZED OFFICER - Any person authorized by the Secretary of the Interior, or his representative, to administer regulations.

CANDIDATE SPECIES - Category I: Plant and animal species for which the USFWS currently has on file substantial information to support a proposal to list as threatened or endangered. Category II: Plant and animal species for which current information indicates that a proposal to list as threatened or endangered is possibly appropriate, but for which more information is needed to support a listing proposal.

CULTURAL RESOURCES - Any cultural, archeological, historical, or architectural site, building, structure, District, or object. also any location or object that is sacred or ceremonial to any modern Indian tribe, including any unmarked graves and grave goods.

CUMULATIVE IMPACT - The environmental impact resulting from the incremental impact of the action when added to other past, present, and reasonably foreseeable actions, regardless of the agency (federal or non-federal) or person(s) undertaking other actions. Cumulative impacts can result from individual minor, but collectively significant, actions taking place over a period of time.

ENDANGERED SPECIES - An animal or plant whose prospects of survival and reproduction are in immediate jeopardy, and as further defined by the Endangered Species Act of 1973, as amended.

ENDANGERED SPECIES ACT OF 1973 - (as amended): Federal law to ensure that no federal action will jeopardize federally listed or proposed threatened or endangered species of plants or animals.

ENVIRONMENTAL IMPACT STATEMENT (EIS) - A written analysis of the impacts on the environment of a proposed project or resource management plan.

FEDERAL LAND POLICY AND MANAGEMENT ACT OF 1976 (FLPMA) - Public Law 94-579, which gives the BLM legal authority to establish public land policy, to establish guidelines for administering such policy and to provide for the management, protection, development, and enhancement of the public land.

FLOODPLAIN - The nearly level alluvial plain that borders a stream or river and is subject to inundation during high water periods; the relatively flat area or lowland adjoining a body of standing or flowing water which has been or might be covered by floodwater.

HABITAT- A specific set of physical conditions that surround a species, group of species or a large community. In wildlife management, the major constituents are considered to be food, water, cover, and living space.

HISTORIC PROPERTY - Any prehistoric or historic cultural resource.

HISTORIC SITE - The specific location of any cultural resource created after the time of first contact between European explorers and native Indians in each local area.

INDIAN TRIBE - The governing body of any Indian tribe, band, nation, or other group that is recognized by the Secretary of Interior and for which the
United States holds land in trust or restricted status for that entity or its members.

INTEREST - The most general term that can be employed to denote a property in lands or chattels. In its application to lands or things real, it is frequently used in connection with the term "estate," "right," and "title," and includes them all. The terms "interest" and "title" are not synonymous. "Interest" more particularly means a right to have the advantage accruing from something; a partial or undivided right, but less than title.

INVERTEBRATE - An animal lacking a backbone or spinal column.

ISSUE - A matter of controversy over resource management activities that is typically discrete and provides alternatives for a decision. Typically the causal relationship between the activity and undesirable results is documentable and the level of controversy is high enough to merit further analysis. Statement of the planning issue orients the resource management planning process so the vigor of interdisciplinary thought, analysis, and documentation is directed toward resolving the planning issues during the preparation of a Resource Management Plan.

LEASE NOTICE - Provides more detailed information concerning limitations that already exist in law, lease terms, regulations, or operational orders. A Lease Notice also addresses special items the lessee would consider when planning operations, but does not impose new or additional restrictions.

LEASE STIPULATIONS - Additional specific terms and conditions that change the manner in which operation may be conducted on a lease, or modify the lease rights granted.

MANAGEMENT SITUATION ANALYSIS (MSA) - A step in the BLM planning process that identifies existing management, physical resources, and opportunities to meet the needs, concerns, and issues identified through resource management planning. The MSA results in a reference document, which is kept in the resource area office. The MSA document is open for public inspection but is not distributed to the public.

MEMORANDUM OF UNDERSTANDING (MOU) - Signed pact between two entities agreeing to some course of action or inaction.

MITIGATION - The alleviation or lessening of possible adverse effects upon a resource by application of appropriate protective measures or adequate scientific study.

MINERAL ESTATE - Mineral and/or subsurface ownership.

MITIGATION MEASURES - Methods or procedures committed to by BLM for the purpose of reducing or lessening the impacts of an action.

NATIONAL ENVIRONMENTAL POLICY ACT OF 1969 (NEPA) - Public Law 91-190. Establishes environmental policy for the nation. Among other items, NEPA requires federal agencies to consider environmental values in decision-making processes.

NATIONAL HISTORIC PRESERVATION ACT (NHPA) - The primary federal law providing for the protection and preservation of our cultural resources. Making it a national policy to preserve our cultural heritage, NHPA established the National Register of Historic Places, the Advisory Council on Historic Preservation and State Historic Preservation Officers.

NATIONAL REGISTER OF HISTORIC PLACES (NRHP) - A list of districts, sites, buildings, structures and objects significant in American history, architecture, archeology and culture maintained by the Secretary of the Interior. Expanded as authorized by Section 2(b) of the Historic Sites Act of 1935 (16 U.S.C. 462) and Section 101(a)(1) (A) of the National Historic Preservation Act.

NATIONAL REGISTER QUALITY SITE - A cultural resource site determined to be eligible for nomination to the National Register of Historic Places by virtue of its local, state or national significance.

NO SURFACE OCCUPANCY (NSO) - A fluid mineral leasing stipulation that prohibits occupancy or disturbance on all or part of the lease surface in order to protect special values or uses. Lessees may exploit the oil and gas or geothermal resources under leases restricted by this stipulation through use of directional drilling from sites outside the no surface occupancy area.

PALEONTOLOGICAL RESOURCE - Any impressions, footprints, trackways, fossilized, or preserved organic remains not associated with a cultural resource.

PATENT - A grant of some privilege, property, or authority, made by the Government, or sovereign of a country to one or more individuals. A land patent is a muniment of title issued by a government or state for the conveyance of some portion of public domain.

PUBLIC PARTICIPATION - Part of the BLM's planning system that provides the opportunity for citizens as individuals or groups to express local, regional and national perspectives and concerns in the rule making, decision making, inventory and planning processes for public land. This includes public meetings, hearings or advisory boards or panels that may review resource management proposals and offer suggestions or criticisms for the various alternatives considered.

PREHISTORIC SITE - (opposite of historic site) the specific location of an cultural resource created before the time of the first contact between European explorers and the native tribes of that area.

RECLAMATION - Returning disturbed lands to a form and productivity that will be ecologically balanced and in conformity with a predetermined land management plan.

RECREATION AND PUBLIC PURPOSES ACT (R&PP) - This Act authorizes the Secretary of the Interior to lease or convey public lands for recreational and public purposes under specified conditions to states or their political subdivisions, and to nonprofit corporations and associations.

RESOURCE AREA - The smallest administrative subdivision of a BLM district.

RIPARIAN HABITAT (AREAS) - Areas of land directly influenced by permanent water and having visible characteristics, e.g., vegetation, reflective of the presence of permanent water, i.e., surface and/or subsurface.

SECTION 15 GRAZING LEASE - BLM grazing leases outside grazing districts issued under the authority of section 15 of the Taylor grazing act of June 28, 1934 and as amended.

SCOPING PROCESS - An early and open process for determining the scope of issues to be addressed and for identifying the significant issues related to a proposed action. Scoping may involve public meetings, field interviews with representatives of agencies and interest groups, discussions with resource specialists and managers, written comments in response to news releases, direct mailings and articles about the proposed action and scoping meetings.

STATE HISTORIC PRESERVATION OFFICER (SHPO) - is the official appointed by each state's Governor to lead that state's historic preservation program and review all actions that affect the state's National Register Sites.

SPECIAL STATUS SPECIES - Wildlife and plant species either Federally listed or proposed for listing as endangered or threatened, state-listed or BLM-determined priority species.

SURFACE MANAGING AGENCY (SMA) - is that agency of the Federal government which has the primary control and responsibility over a particular area of land (such as the National Park Service, the U.S. Forest Service, the Bureau of Reclamation, Army Corps of Engineers, or the Bureau of Land Management).

SPLIT ESTATE - Lands where the owner of the mineral rights and the surface owner are not the same party in

interest. The most common split estate is Federal ownership of mineral rights and other interest ownership of the surface.

THREATENED SPECIES - Any plant or animal species that is likely to become an endangered species throughout all or a significant portion of its range, as defined by the U.S. Fish and Wildlife Service under the authority of the Endangered Species Act of 1973.

TIMING LIMITATION (SEASONAL RESTRICTION) - Prohibits surface use during specified time periods to protect identified resource values. The stipulation does not apply to the operation and maintenance of production facilities unless the findings of analysis demonstrate the continued need for such mitigation and that less stringent, project-specific mitigation measures would be insufficient.

VEGETATION - Plants in general or the sum total of the plant life above and below ground in an area.

VERTEBRATE - An animal having a backbone or spinal column.

ACRONYMS

AAP	Army Ammunition Plant
APD	Application for Permit to Drill
AIRFA	American Indian Religion Freedom Act of 1978
ARPA	Archeological Resources Protection Act of 1966
ARS	Agricultural Research Station
AUM	Animal Unit Month
BIA	Bureau of Indian Affairs
BLM	Bureau of Land Management
BR	Bureau of Reclamation
BP	Bureau of Prisons
CFR	Code of Federal Regulations
CFS	Cubic Feet Per Second
CLS	Coal Lease Stipulation
CMG	Continuing Management Guidance
CEQ	Council On Environmental Quality
COA	Conditions of Approval
COE	Corp of Engineers
COT	Color of Title
DOD	Department of Defence
DOI	Department of Interior
EA	Environmental Assessment
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
EO	Executive Order
ESA	Endangered Species Act
F	Fahrenheit
FLPMA	The Federal Land Policy and Management Act
FMA	Fluid Mineral Assessment
FR	Federal Register
HMM	Hazardous Materials Management
KCA	Kiowa-Commanche and Apache
LN	Lease Notice
L&D	Lock and Dam
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
MFP	Management Framework Plan
MSA	Management Situation Analysis
MSL	Mean Sea Level
MWS	Maximum Water Surface
NAGPRA	Native American Graves Protection and Repatriation Act of 1990
NEPA	National Environmental Policy Act
NESA	National Environmental Study Area
NHPA	National Historic Preservation Act of 1966
NRHP	National Register of Historic Places
NSO	No Surface Occupancy
NSO/ND	No Surface Occupancy with no Directional Drilling
NSO/DD	No Surface Occupancy with Directional Drilling
NSO/ELEV	No Surface Occupancy Described by Elevation
NTL	Notices to Lessees
NWR	National Wildlife Refuge
OAS	Oklahoma Archeological Survey (State Archeologist)
ODWC	Oklahoma Department of Wildlife Consevation
OHV	Off Highway Vehicle
OKNHI	Oklahoma Natural Heritage Inventory
ORA	Oklahoma Resource Area
OTRD	Oklahoma Tourism and Recreation Department
PD	Public Domain
R&PP	Recreation and Public Purpose Act
RFD	Reasonable Foreseeable Development
RMP	Resource Management Plan
RRMA	Red River Management Area
ROS	Recreation Opportunity Spectrum
SCS	Soil Conservation Service

SCORP	State Comprehensive Outdoor Recreation Plan
SHPO	State Historic Preservation Officer
SMA	Surface Management Agency
SPA	Supplemental Planning Analysis
SSS	Special Status Species
STC	Standard Terms and Conditions
SWA	Soil, Water and Air
TDCOE	Tulsa District of Corp of Engineers
T/E	Threatened or Endangered
URA	Unit Resource Analysis
USDA	U.S. Department of Agriculture
USDI	U.S. Department of the Interior
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
VRM	Visual Resource Management

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