

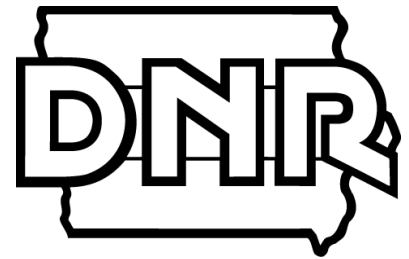


IOWA DEPARTMENT OF NATURAL RESOURCES
LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

2022 Annual Report

Celebrating

Accomplishments



On behalf of the Iowa Department of Natural Resources, (DNR), I am pleased to submit the Fiscal Year 2022 Annual Report. This report highlights the dedication, effort and success put forth and gained by all members of the Department of Natural Resources. It is our hope that after reading this report, you will know the many roles and accomplishments of the Department and learn how we continually serve the citizens of the State of Iowa.

Our Department has been very fortunate and grateful to receive continued support from our citizens, lawmakers and the Governor, allowing us to operate with continued success, continuing to protect and enhance our state's natural resources. This report shows how vital and valuable our services are to our great state.

As you review this report, do not hesitate to contact us with any questions regarding our Department's efforts to serve the State of Iowa. It is truly our privilege to serve the citizens of Iowa. This report shall serve as the annual report required under Iowa Code section 7E.3(4), and all other reports required under 7E., 455A.4, and 481A.10.

We look forward to continuously serving you.

Kayla Lyon
Director

ABOUT THE DNR:

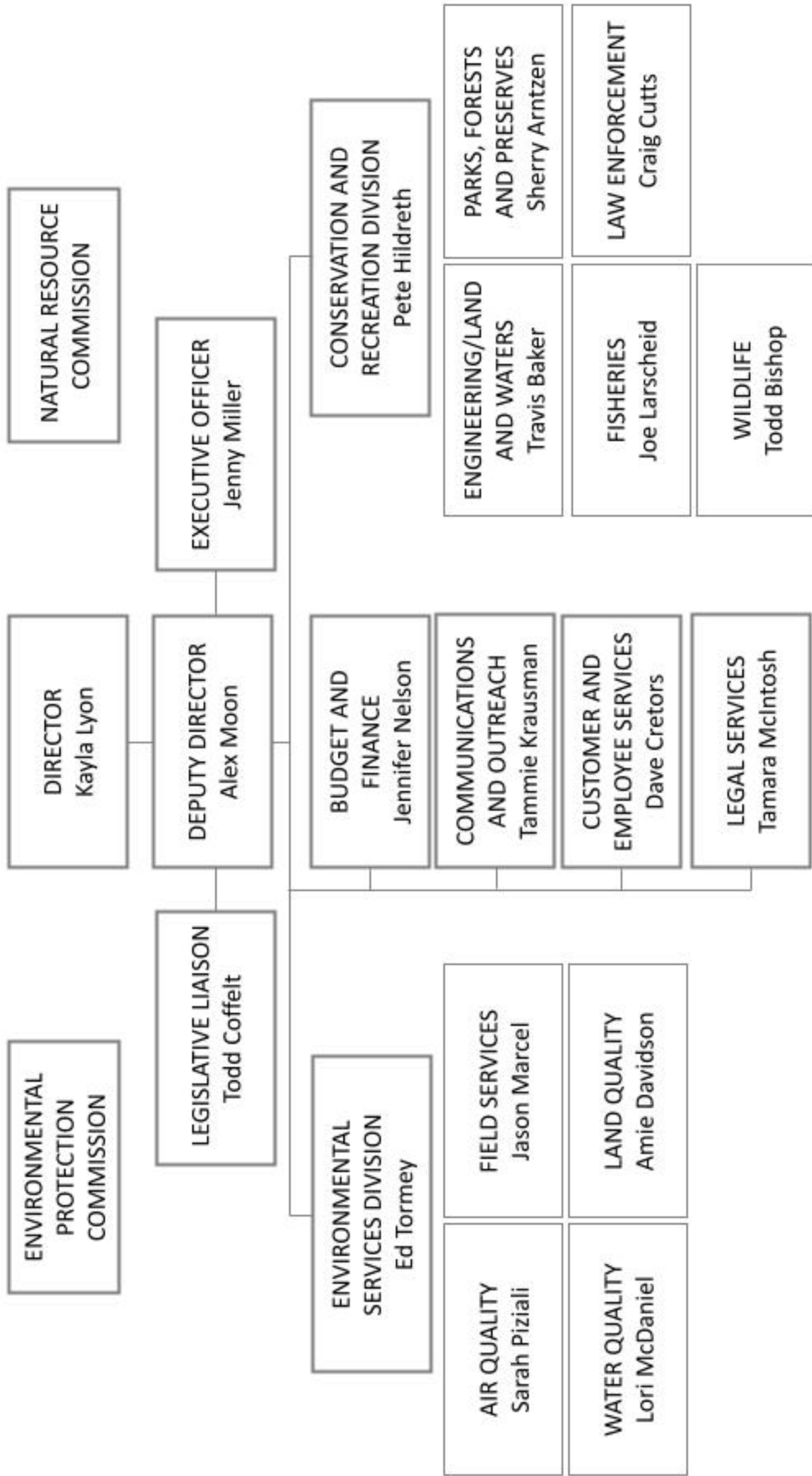
The DNR manages fish and wildlife programs, ensures the health of Iowa's forests and prairies, and provides recreational opportunities in Iowa's state parks. Just as importantly, the DNR carries out state and federal laws that protect air, land and water through technical assistance, permitting and compliance programs. The DNR also encourages the enjoyment and stewardship of natural resources among Iowans through outreach and education.

THE DNR'S MISSION:

To conserve and enhance our natural resources in cooperation with individuals and organizations to improve the quality of life in Iowa and ensure a legacy for future generations.

IOWA DEPARTMENT OF NATURAL RESOURCES

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Within the Iowa Department of Natural Resources, there are individual staff members, as well as three divisions, which fulfill vital roles for the Department, and most importantly for the citizens of Iowa. Those staff members work as liaisons between DNR employees, Iowans, media and legislators. Every day, the Director's office field inquiries from both citizens and media, and collaborates with employees and assists other state departments and branches of government to serve, give back and fulfill the department's mission.

DIRECTOR'S OFFICE

Kayla Lyon, Director

The Director serves as the head of the Department of Natural Resources. The Director is appointed by the Governor and confirmed by the Iowa Senate.

Kayla Lyon was appointed Director of the Department of Natural Resources in July 2019. Before joining the Department, she served as the agriculture and natural resources policy advisor for Governor Branstad and Governor Reynolds before Governor Reynolds asked her to serve as her legislative liaison for the 2019 General Assembly.

The Director works closely with the Natural Resource Commission and Environmental Protection Commission.



Deputy Director & Executive Officer

The Deputy Director is responsible for coordinating and consulting with the Director related to Departmental priorities, initiatives, goals and objectives. The Deputy Director supervises the Executive Officer, Division Administrators for the Conservation and Recreation Division and the Environmental Services Division, Budget and Finance, Customer and Employee Services, Communication, Outreach and Marketing and Legal Bureaus along with IT Application Development.

The Executive Officer assists on daily tasks and operations hand-in-hand with the Director and the Deputy Director.

Legislative Liaison

The DNR has one legislative liaison who serves as the contact for legislators and legislative staff requests for information. The liaison analyzes legislation for department impacts and helps educate legislators, stakeholder groups and other lobby interests on Department positions on proposed legislation. During non-session time, the liaison attends stakeholder meetings and other departmental priorities to maintain partnerships/relationships.

COMMISSIONS

Environmental Protection Commission

The Environmental Protection Commission (EPC) is a panel of nine citizens who provide policy oversight over Iowa's environmental protection efforts. EPC members are appointed by the Governor and confirmed by vote of the Senate for four year terms. The EPC meets monthly, generally the third Tuesday of each month with a tour occasionally scheduled on Monday afternoon the day before the meeting. The meetings are held throughout the state.

Natural Resource Commission

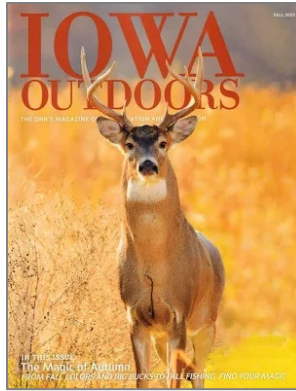
The Natural Resource Commission (NRC) consists of seven citizens, appointed to six year terms by the Governor and confirmed by the Senate. The Commission reviews and approves hunting and fishing administrative rules, public land projects construction projects; general business contracts; leases; grants; and the annual budget. The commission meets monthly, generally the second Thursday, with a field tour occasionally scheduled in conjunction with the meeting.

COMMUNICATIONS, OUTREACH AND MARKETING:

The DNR Communications Team is supervised by the Director of Communications and is tasked with all external and internal communications efforts for the Department. The Communications Team is comprised of several different areas:

Social Media: A social media manager manages the content on all of the DNR's social media platforms which include: Facebook, Twitter, Instagram, Pinterest, LinkedIn, Nextdoor and YouTube. This past year, our social media channels were recognized at the Des Moines Social Club's Hashie Awards with first place awards for Best Overall Social Media Presence, Best Use of Live Video, and Best Social Media Customer Service. In 2021, the social media channels had **56 million** impressions.

Website: A full-time web content manager is responsible for keeping the DNR's website up-to-date, error free and with constantly changing and relevant information for the nearly **11 million** page views annually.



The popular Iowa Outdoors magazine, provides stories and photos published quarterly in the magazine for over 33,000 subscribers.

Communication specialists: The DNR Communications Team has communications specialists to work daily to provide advice and fulfill a wide variety of communication needs such as videos, photos, fact sheets, press releases, graphic design and marketing needs.

Records Center: The Records Center handles all public records requests the Department receives and maintains and updates to all the Department's records, with an emphasis of converting paper records into an electronic format. Over **15,764** documents were scanned by Records Center staff and are now available in an electronic format. The Records Center has also responded to **1,280** requests for public records. In most cases, the public records requests were handled by converting the paper records to electronic formats per the instructions of the requestor.

Educational and Safety Programs

Hunter Education Program:

- Educates 10,000-12,000 Iowans about hunter safety annually
- Promotes hunter education and ethics
- Trains over 300 volunteer instructors to teach hunter education
- Continues to keep hunting the safe activity it has become by providing hunter education to the public, the DNR will help ensure the safety of hunters throughout our state by continuing to promote ethics and fair chase, hunter responsibility and landowner relations. The safety, recruitment, and retention of hunters are important in continuing the tradition of hunting in Iowa's GREAT Outdoors!

Boating Safety Education:

- Educate Iowans about Boating Safety
- Train volunteer instructors to teach boater education
- Make Iowa's waterways safe through education



Shooting Sports Programs and Ranges

Scholastic Clay Target Program (SCTP) is a team-based youth development program that uses the clay target sports of trap, skeet, and sporting clays to instill life skills such as discipline, safety, teamwork, ethics, mental focus, self-discipline, and self-confidence in Iowa's youth. Athletes from grade school through college may participate in any or all of these clay target sports. The program uses these shooting disciplines to teach hunting skills through the safe use of hunting equipment including firearms and their relationship to hunting situations.

National Archery in Schools Program (NASP) is an in-school program aimed at improving educational performance among students in grades 4th - 12th. And through it students are learning focus, self-control, discipline, patience, and the life lessons required to be successful in the classroom and in life.

Shooting Ranges

The Iowa DNR operates 11 public shooting ranges located throughout the state. Two of these ranges, Olofson and Banner (both in central Iowa), are fully modernized and staffed.

LEGAL SERVICES BUREAU

The Department's legal staff provides legal advice to Department staff and to the Natural Resource Commission, the Environmental Protection Commission and the State Advisory Board for Preserves. Staff consists of a Legal Services Bureau Chief (DNR General Counsel) and nine attorneys. The attorneys serve several roles, including program area general counsel, representation of the Department in administrative proceedings, and legal review of department contracts.

In their role as program area general counsel, the attorneys conduct research and deliver legal opinions, both oral and in writing, to their program area. Additionally, members of this bureau draft and review administrative rules and legislation. The attorneys also respond to legal questions from the Legislature and general public.

In their role of providing representation during administrative proceedings, the attorneys support the Environmental Services Division programs in compliance and enforcement efforts by preparing enforcement actions against violators of the state's environmental laws, and support the Conservation and Recreation Division by handling hunting and fishing license suspension hearings.

Environmental Services Division cases referred to the Legal Services Bureau are resolved in one of three ways. First, legal staff may attempt to negotiate settlements by issuing consent orders. If settlement is unlikely, legal staff assists the Director with issuing unilateral orders and handling all administrative appeals of those orders. Lastly, the attorney may present significant violations to the Environmental Protection Commission for referral to the Iowa Attorney General for civil or criminal enforcement.

The bureau has an average caseload of between 50 and 100 cases at any given time. During FY22, there were 104 enforcement actions. Conservation and Recreation Division suspensions appealed to the Department are handled by the attorneys through an administrative hearing.

Staff in the bureau play a central role in the drafting or review of certain agreements and contracts entered into by the Department. Attorneys are assigned to one or more programs and assist program staff in all steps of the contract process. The Legal Services Bureau has drafted standardized contract templates for use by all Department staff.

BUSINESS ASSISTANCE

The Business Assistance Liaison is responsible for providing environmental permitting guidance to businesses intending to build or expand in Iowa. The liaison conducts a preliminary interview with prospective company leadership to determine the type of business, the proposed location and the anticipated start date of the operations. The liaison facilitates meetings with a company's key staff, their consultants and the Department's permitting staff to identify required permits and to outline a timeline that most expeditiously meets the company's start-up goals. The liaison serves as a resource for companies as projects move forward - either to troubleshoot; research status of permits; or schedule additional meetings to resolve unanswered questions.

In addition, the liaison coordinates the Department's business assistance efforts with Economic Development Authority representatives and other state agency business regulatory coordinators as necessary.

CUSTOMER AND EMPLOYEE SERVICES BUREAU

The Customer and Employee Services Bureau (CESB) supports both the business- related needs and internal functions within the DNR as well as provides quality service and support to the general public. CESB is composed of four main sections: Customer Service, Licensing, Human Resources and Training. The CESB provides the following to the department:

Human Resources:

Hiring:

- Hiring assistance is provided by the DNR Hiring Team for all positions within DNR. The Hiring Team works with supervisors to ensure consistency in the hiring process as well as compliance with hiring rules and regulations.
- Provides input and information for vacancies within the Department.

Payroll and Benefits:

- Maintains and updates Human Resources Information System by reviewing and preparing personnel documents to add or remove employees and positions from payroll system; calculating and inputting pay changes and benefit adjustments, starting or changing employee deductions, personal, and position information.
- Responsible for department payroll of ~855 full time employees and ~421 temporary and seasonal staff.
- Provides guidance and information on all pay and benefit matters to employees and beneficiaries.
- Reviews and submits workers' compensation injury reports and calculates compensation rates; tracks medical billings; provides DAS-HRE with information on claims under investigation.

Personnel:

- Provides information and interprets administrative rules, policies, laws, collective bargaining agreements, agency work rules, and Iowa code.
- Oversees maintenance of agency human resources files and ensures retention procedures comply with state and federal laws, rules, and regulations.
- Tracks and maintains individual evaluations and performance plans.
- Conducts investigations regarding employee misconduct, harassment, general complaints, and all other issues as deemed appropriate.
- Coaches management staff to maximize accuracy and consistency with investigation protocol.

Training:

- Employee Onboarding Coordination and Intranet Resources Maintenance (0-3 Months of Employment)
- Most Valuable Resource - Career Empowerment Program (New employees 3-6 months after hire)
- Business and Computer Training Coordination & Enrollments (Classroom and eLearning) through Vendors
- Facilitation of Personal Accountability Workshop
- Educational Assistance and Educational Leave
- Certified Public Manager Program (CPM)
- Employee Recognition / Years of Service Certificates
- Ergonomics Education and Office Modification Coordination
- Google Business Point of Contact & Coordinator / Guru Resource

Customer Service

Internal Customer Service

Administrative Support and Program Assistance:

- Assists DNR staff with data entry, transcription, form management, document creation, formatting/proofreading, and document finalization.
- Takes payments for program fees.
- Provides assistance during work overflows during peak program times and serve as reinforcement during staff transitions and outages.

Mailing Services and Material Management:

- Performs outgoing daily mail preparation, open and route all incoming staff mail, coordinate bulk mailings, send supply shipments.
- Ensures the DNR is sending mail efficiently and in the most cost-effective manner.
- Provides storeroom management, maintain brochure inventory and manage shared equipment checkout system. Assist in the proper disposal of unused DNR property through Gov Deals.
- Maintains large copier contracts and maintenance, telephone contract, and provides building maintenance liaison assistance with the Department of Administrative Services.

External Customer Service

Phone Center and Front Desk:

- Serves as main contact for Wallace Building visitors
- Answers 200+ calls/day during peak periods and replies to general inquiries submitted by the public through DNR main website.
- Serves as liaison between the general public and all DNR programs by utilizing customer input to ensure public content is accurate, up to date and available.
- Focus on providing timely and accurate information to customers to help them get outside and enjoy Iowa's natural resources.

Licensing Section

System Management

- Manages the new Go Outdoors Iowa electronic licensing system used to sell 360 types of outdoor recreation and commercial privileges to the public. These privileges include: hunting and fishing licenses; snowmobile and Off Highway Vehicle (OHV) annual use permits; boat registrations and renewals; snowmobile and OHV registration and renewals; recreational vehicle and vessel dealer registrations and renewals, and taxidermy licenses.
- Oversees the processing of nearly 1.3 million privileges annually, 340,000 boat renewals and registrations during a three year renewal cycle and approximately 80,000 OHV and snowmobile registrations and renewals annually.
- Ensures proper accounting for \$40 million in annual income collected through license sales which accounts for 1/3 of the DNR's operating budget.

License Processes and Programs

- Administers the land-owner tenant program.
- Provides assistance to wildlife biologists on the issuance of depredation and deer management zone hunts.
- Administers the nonresident deer lottery process in which 15,000 preference points are purchased and over 9,000 applications are received annually.
- Coordinates bonding of Recreational Vehicles and Vessels and Issuance of Commercial, Scientific and Miscellaneous Licenses.
- Oversees the issuance of recreational vehicle and vessel dealer certification.
- Provides assistance to County Recorders on the issuance of Vehicles/Vessel registrations and renewals.
- Provides account manager services to ~650 license agents.

BUDGET AND FINANCE BUREAU:

The 17 members of the Budget and Finance Bureau are responsible for all financial operations of the Department. In FY22, the Department had an annual spend of \$181 million and more than 200 different funding sources. The Bureau is composed of four main sections:

Received and reconciled over 34,000 incoming receipts annually totaling over \$29.8 million

Accounts Payable:

- Received, audited, and processed over 17,000 vendor and travel reimbursements for payment totaling over \$72 million.
- Interprets state rules and regulations when processing payments and ensures compliance with the Department of Administrative Services, State Accounting Enterprise (DAS/SAE) guidelines.
- Audits and reconciles receipt transactions I/3 state accounting system, cashiers Great Plains reports, and the initial listing provided by the DNR mail room.
- Performs research on any discrepancies identified and corrects any misstatements to ensure fiscal accountability.
- Provides education to DNR staff members on travel reimbursements, payment processes and procedures, works with vendors to expedite payments.

Grant Management/Internal Audit:

- Manages administration of 156 single and multi-year federal grants totaling \$48.4 million, including ensuring fiscal and program compliance, preparation and timely submission of reports, tracking expenditures, and preparing draws.
- Acts as liaison with 10 federal grant agencies (Fish and Wildlife Service; Environmental Protection Agency; Forest Service; National Park Service; Coast Guard; Department of Defense; Geological Survey; Army Corps of Engineers; Natural Resource Conservation Service; and the Federal Emergency Management Agency).
- Issues and administer over 200 grants and agreements annually to ensure recipients understand and follow all state and federal program rules and regulations.
- Conducts over 250 recreational inspections annually to verify the permanent protection of state and federal recreational investments.
- Develops and implements internal controls and maintains financial records according to retention schedules.

Accounts Receivable:

- Received, reconciled and completed data entry for over 34,000 incoming receipts annually totaling over \$29.8 million.
- Processes all electronic payments and credit card receipts.
- Monitors, distributes, and audits miscellaneous cash receipts books and processes monthly cash reports from field locations with established bank accounts.
- Works with the Department of Revenue for the collection of funds from returned checks.
- Completes monthly and quarterly sales tax reporting in order to E-file taxes with the Department of Revenue.

Purchasing/Capital Asset Management:

- Drafts and/or reviews specifications for solicitations: Request for Proposals, Requests for Information, Request for Bid, and Request for Quote.
- Scheduled, and coordinated 47 major construction procurement (projects over \$100,000) totaling \$19.6 million and 61 minor construction procurement (projects under \$100,000) totaling \$1.28 million through solicitation of formal and informal sealed bids.
- Provides oversight to ensure the capital assets totaling more than \$410 million and over 625 vehicles are properly inventoried, depreciated, and managed.
- Manages more than 388 P-Cards, which generate 17,762 transactions, with an annual spend of \$2.7 million, to ensure purchasing and program compliance.

**All data listed is FY22*

APPLICATION DEVELOPMENT BUREAU:

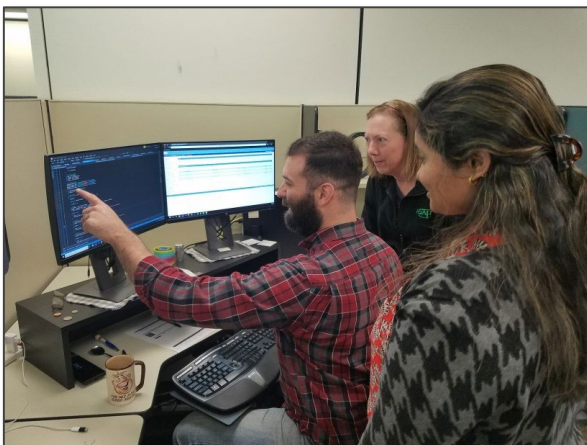
The Application Development Bureau provides programming support for the Department's nearly one hundred applications utilized by DNR programs managing everything from state park playground inspections to leaking underground storage tank pollutant modeling. The bureau includes ten full time employees, six full time contractors currently, and some part time contractors. The bureau is managed by a supervisor with the Office of the Chief Information Officer (OCIO). The bureau makes successful use of Agile development methodologies that allows stakeholders daily input and feedback on the development process while working with a team of developers and testers.

Recent Successes:

- From October 2021 to October 2022, the DNR IT Applications completed over 120 production deployments delivering bug fixes, security patches and upgraded functionality
- EASYAir - third party air quality permit application; currently completing a project that integrates with Linn County's EasyAir system for data exchange
- WACOP – a rewrite of the Water Use Allocation Application was deployed October 2022, with improved mapping and usability, and the ability for permittees to do "guest" payments without creating an account
- Upgrades to DNR's Animal Feeding Operations (AFO) application to migrate old functionality to current standards while improving system functionality. Enhancements to the DNR user, consultant and public search pages. New pages created for management of the MMPs, reports, letters, surveys and metrics
- Time of Transfer (TOT) a new application that automates the receipt of TOT septic inspection reports, notifies counties and other recipients of submissions. Additionally it captures the inspection and attachments and stores them in the new Open Text document repository.
- Electronic Sanitary Survey - integrate Level 2 assessments and add data transfer to the Field Office Compliance Database
- Tanks Regulation Ruling Project that added additional inspection fields in the Tanks application and dependent systems that will be used during inspections of all tanks.
- Tanks Enhancements to include a new closure report, UI changes to see closure information, inspection data for EPA bi-annual submissions
- Purchase and deployment of a Fisheries Survey Data off-the-shelf system for field collection of survey data, and analysis
- NPDES Significant Non-compliance (SNC) Data clean-up Initiative - This project resulted in the acceptance rate of NPDES permit data transmission to EPA increasing from 88% to 100%. Additionally, SNC rates decreased from 27.4% to approximately 7.5%; below EPA's target maximum of 10.1%. EPA staff have commented that Iowa now has one of the cleanest reports of any state.

Current Priorities:

- Continued work on Animal Feeding Operations 3.0 (AFO), Tanks, National Pollution Discharge System (NPDS), Stormwater, Time of Transfer, General Permits, Asbestos Notification System, Safe Drinking Water Information System (SDWIS)
- Upgrades to Field Office Compliance, Hazardous Substance Incidents and Facility Explorer
- Add NPDS and Water Supply Engineering payments to DNR's payment portal
- Migration of remaining applications from Elavon payments to NIC
- Migration of applications from Enterprise A&A to Okta



Grants:

- DNR Air Quality Records and Reporting - adding new CROMERR compliant functionality for Title V reporting
- WQB data portal - EPA funding to prepare DNR systems for an upgraded SDWIS

CONSERVATION AND RECREATION DIVISION

The Conservation and Recreation Division (CRD) Management Team consists of the Division Administrator (DA), two Executive Officers, a Health and Safety Coordinator, the State Forester, and the Chiefs of five Bureaus: Fisheries, Land and Waters, Law Enforcement, State Parks, and Wildlife, who oversee the DNR's management of state-owned recreation lands and waters and associated infrastructure throughout Iowa with approximately 606 full time and seasonal employees.

Management Team Funding sources:

- 72% Fish and Game Trust Fund
- 18% Conservation Fund
- 10% Administrative Fund

Management Team Responsibilities

The CRD Management Team helps set policies and budgets, and ensures the bureaus are working together to optimize the resources each brings to the table.

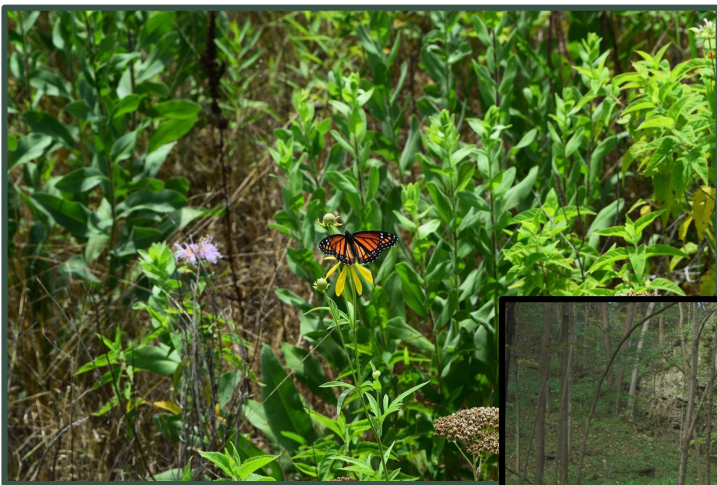
Division Administrator: The DA is appointed by the DNR Director and is a key member of the Director's executive management team and, also, ensures the Department's work, mission, vision, and needs are articulated at all levels, internally and publicly. The DA also serves as staff lead for the Natural Resource Commission.

Administrative Team: The administrative team is charged with specific division management and agency-wide operation tasks and required reporting, in addition to their core duties.

The Executive Officer 2 manages the Division's capital budget, and serves as the department's educational interpretation program manager and Lean coordinator.

The Executive Officer 1 serves as executive assistant to the Division Administrator, support operations of the division and serves as the Board Administrator to the Natural Resource Commission.

The Health and Safety Coordinator duty is to build a culture of safety with the primary duties of providing technical support and employee training; site audits; and incident documentation and follow up.



STATE PARKS, FORESTS AND PRESERVES BUREAU:

The State Parks, Forests and Preserves Bureau oversees 70 of Iowa's state parks and recreation areas and 10 state forests, which encompass over 95,000 acres. Another 20 state parks are managed by other local political entities. The State Preserves System consists of 97 preserves encompassing 10,795 acres. State parks, recreation areas and forests are some of Iowa's most special places and provide outstanding natural resources and a multitude of recreational opportunities.

Funding sources:

34% Environment First Fund
33% Conservation Fund (park receipts) 33% General Fund
Appropriations

Staffing:

The State Parks Bureau currently has 111 full time personnel and 330, 780- hour seasonal positions tasked with carrying out a wide variety of responsibilities including natural resource management, recreation planning and development, facility and grounds maintenance, interpretation, law enforcement, park management, public outreach, and grant, program and policy administration.

Staffing can be broken into two sections. The parks bureau chief oversees both sections.

Field Operations: 102 full time staff, 330, 780-hour seasonal positions

Field operations staff is responsible for the day-to-day operation and management of parks, recreation areas and state forests as well as participates in long range planning. The park system is divided into five districts, each with a district park supervisor.



Program Administration (Central Office): 8 full time staff

Staff in the program administration section oversee capitals and infrastructure planning and budget, the centralized reservation system, volunteer and friends group programs, marketing and communication, and policy development and administration. Two grant programs are also managed by central office staff.

The OHV grant program provides funds to eligible entities for the acquisition and development, operation and maintenance of designated OHV parks in the state. The Land and Water Conservation Fund grant program is a federally funded program that provide match funds of 50% for outdoor recreation area development and acquisition and is open to Iowa's cities and counties.



Parks BY THE NUMBERS:

77 Campgrounds (54 parks/forests)

4,419 Campsites

93 Rental Cabins/Yurts

29 Day-use Lodges

153 Picnic Shelters

700+ Miles of Trails

FY22 Visitation: **16,186,716***

FY22 Camping Guest Days: **902,847**

FY22 Cabin Guest Days: **58,368**

*Includes overnight guest days



1 – Parks Bureau Chief

Field Operations

5 – District Park Supervisors

30 - Park Managers

35 - Park Rangers (certified peace officers)

4 – Area Foresters

26 – Park and Forest Natural Resource Technicians

1 – Program Planner (Cedar Rock)

1 – Carpenter

Program Administration

1 – Supervisor

1 – Executive Officer

4 – Program Planners

1 – Administrative Assistant

1 - Secretary



IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

Fisheries Bureau:

The Fisheries Bureau manages nearly 71,000 miles of streams and 300,000 acres of Iowa waters to improve fishing and recreational opportunities for more Iowans in more places. Iowa's fishing opportunities are as diverse as the species of fish you can catch. More than 150 million fish are stocked each year into Iowa waters. Most of the walleyes, muskellunge, trout, and channel catfish in our lakes began their life in DNR hatcheries.

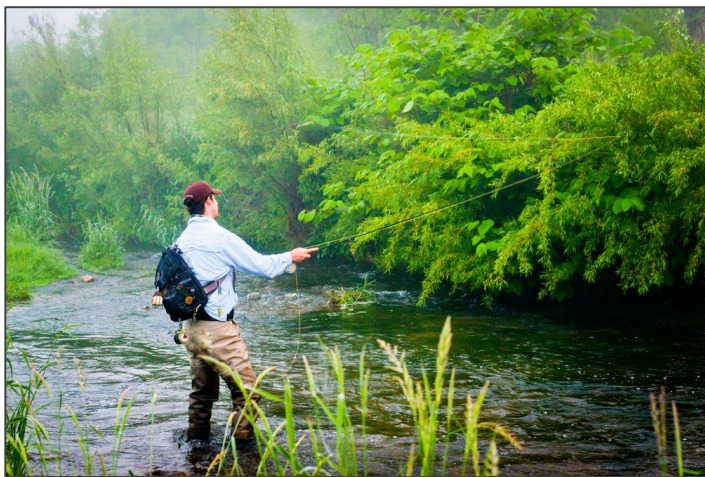
Funding Sources:

100 percent Fish & Wildlife Trust Fund

WARM & COOLWATER HATCHERIES

Programs, Services & Activities:

Four warm and cool water hatcheries spawn and raise a variety of popular Iowa fish species. Nearly 170 million fish were stocked into Iowa waters in 2021. Each hatchery specializes in a few fish species. The species raised are based on stocking requests from DNR fisheries management staff.



TROUT PROGRAM

Programs, Services & Activities:

Three trout hatcheries produce over 330,000 catchable-sized rainbow trout each year. They also produce over 130,000 fingerling trout that are stocked and allowed to grow in the stream. Stream improvement partnerships has stabilized 3,590 feet (0.69 miles) of eroding stream banks and added 800 feet of trout habitat along 4 cold-water streams in FY22. The trout program has added 1.04 miles of public fishing access through fee title (0.25 miles) or water quality and angler access easements (0.79 miles).

Success Story:

Trout Habitat Improved with Partnerships- Watershed and trout habitat was improved over the past decade on NE Iowa cold water streams through multiple partnerships with private landowners; community volunteers; city, county, state and federal governmental agencies; non-governmental organizations; conservation clubs; trout anglers and private contractors. Additionally, three cold water fish research projects were completed with partners to help guide fish management in the region. This work has spurred natural reproduction of Brown and Brook Trout and has increased the number of naturally reproducing trout streams from 73 in 2013 to 107 in 2022 of which 75 have annual reproduction.

FISHERIES RESEARCH

Programs, Services & Activities:

Seven research stations evaluate existing fisheries management practices, innovate new techniques, and advance the science and technology used to improve fishing in Iowa's lakes, rivers, and ponds. Each research team works on multiple studies that were carefully designed to solve questions posed by district fisheries managers and fish hatcheries.

Success Story:

Quality Mississippi River Fishing - Mississippi River backwaters provide critical overwintering habitat for many important sport fishes such as Bluegill, Crappie, Largemouth Bass, Yellow Perch and Northern Pike. The Iowa DNR works with our state and federal partners and the public to rehabilitate backwater habitat on the river. Radio telemetry research conducted over the past 30 years have been vital in determining habitat needs that have guided restoration project design and success. The result is quality fish populations on the Mississippi River for the anglers of Iowa.



FISHERIES MANAGEMENT

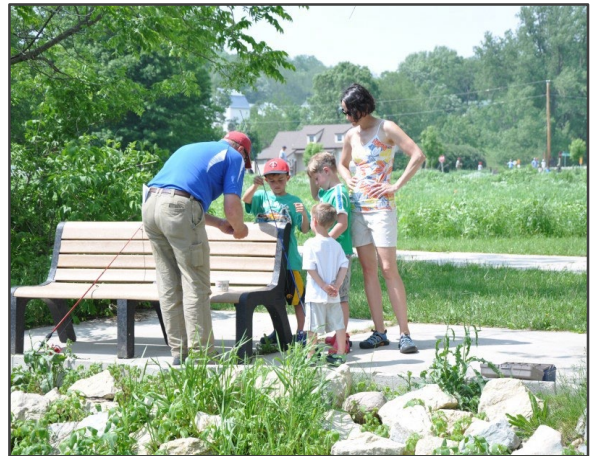
Programs, Services & Activities:

Sixteen fisheries management offices restore and maintain high quality habitat within Iowa's watersheds, streams and lakes. Management staff are excellent resources for fishing information for anglers in their local areas.

COMMUNITY FISHING PROGRAM

Programs, Services & Activities:

Helps cities improve the fishing in their ponds by offering tools and tips to solve common problems like lots of aquatic plants, small fish and undesirable fish species. Partnerships with city officials, community and neighborhood groups help boost community pride while providing a safe, convenient place to fish. More information can be found on our website at www.iowadnr.gov/fishlocal



Success Story:

Fishing Friendly Stormwater basins: City officials, engineers and developers now have the option to design and build stormwater basins that can provide good fishing and cleaner water for generations to come. Many metro developments have fishing friendly stormwater basins – a great place for the community to gather, spend time together, and share fishing stories. Since 2020, 39 new ponds have been added through the creation and continued development of partnerships. These new ponds, totaling 97.3 acres of fishable public water, are located within 21 communities across the state in 13 counties. In 2023, stocking will take place at 12 new or renovated ponds within or near 11 communities in four new counties. These 12 new ponds will add an additional 30.5 acres of fishable water within or near the city limits, totaling 127.8 acres of public access since 2020 through partnerships. The expansion in both the number of ponds and the number of partners each year illustrates the importance and the positive impact that sustainable partnerships between communities and the Iowa DNR can have on the access to quality outdoor recreation for Iowans to enjoy close to home.

SOUTHWEST IOWA FISHING TEAM

The Southwest Iowa Fishing Team is led by Atlantic businessman, Bob Harris. Bob started this nonprofit organization in 2020 to promote fishing for Junior and High School anglers. The purpose of the Southwest Iowa Fishing Team is promoting, advancing, and sponsoring amateur youth fishing for boys and girls in the Southwest Iowa surrounding communities. The primary initiative is to instill the ideals of good sportsmanship, education, conservation, and fish care through instruction, seminars, and training during all outdoor youth activities. Sixty percent of the students who participate on fishing teams are not involved with traditional high school sports.

This endeavor has been a great success! Dozens of Junior and High school aged boys and girls from all over Iowa have joined this team and have competed in youth bass fishing tournaments locally and nationally. Bob has also provided these kids with educational opportunities helping them better understand fish biology and the importance of habitat. Most recently Bob and this team have completed a successful fund-raising campaign to purchase materials the team uses to construct fish habitat that have been installed in over a dozen SW Iowa public fishing lakes.

The Iowa DNR Fisheries bureau staff have been assisting Bob and his team to help to make these efforts educational and engaging students to learn and expand their knowledge about aquatic fish life in the area lakes and ponds.

After the 2016 fish renovation at Three-Mile Lake, it was decided to stock Blue Catfish into Three-Mile rather than the traditional Channel Catfish to create a unique trophy fishery for Iowa anglers. Blue Catfish can attain larger sizes than Channel Catfish and Iowa catfish anglers expressed interest in having a Blue Catfish fishery in Iowa. Staff from the Mount Ayr Fish Hatchery have traveled to Arkansas, Texas, and Missouri since 2016 to pick up Blue Catfish fingerlings for grow out production. Staff at the Mount Ayr Fish Hatchery have refined their production techniques each year resulting in an average survival rate of 82% from the Mount Ayr Fish Hatchery production ponds. A total 103,808 Blue Catfish advanced fingerlings have been stocked into Three-Mile Lake from 2016-2022.

Mount Ayr Fisheries staff have captured Blue Catfish weighing in over 8 lbs. since the initial introduction. Anglers can find Blue Catfish from 12 to 26 inches at Three-Mile Lake. Lake Icaria was stocked in 2019 after discovering small Blue Catfish in Lake Icaria in 2018 (likely angler introduced). A total of 34,368 Blue Catfish advanced fingerlings have been stocked into Lake Icaria from 2019-2022. Mount Ayr Fisheries staff have captured Blue Catfish in Lake Icaria from 12-15 inches since the initial introduction in 2019. In 2021, the Blue Catfish stocking program was expanded to include Lake Manawa and Windmill Lake. Time will tell on how these new populations develop, but Iowa DNR staff have worked hard to create unique fisheries for Iowa anglers.



IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

LAW ENFORCEMENT BUREAU:

It is the mission of the Law Enforcement Bureau to protect the State's natural resources, to provide public safety and to educate and serve the public. We enhance, promote, and protect the natural resources of this state through public relations, education, and law enforcement, thus ensuring for future generations the rights, privileges and benefits we now enjoy.

Natural resources law enforcement is one responsibility of the Iowa DNR, which is the state government agency that protects and enhances Iowa's natural resources.

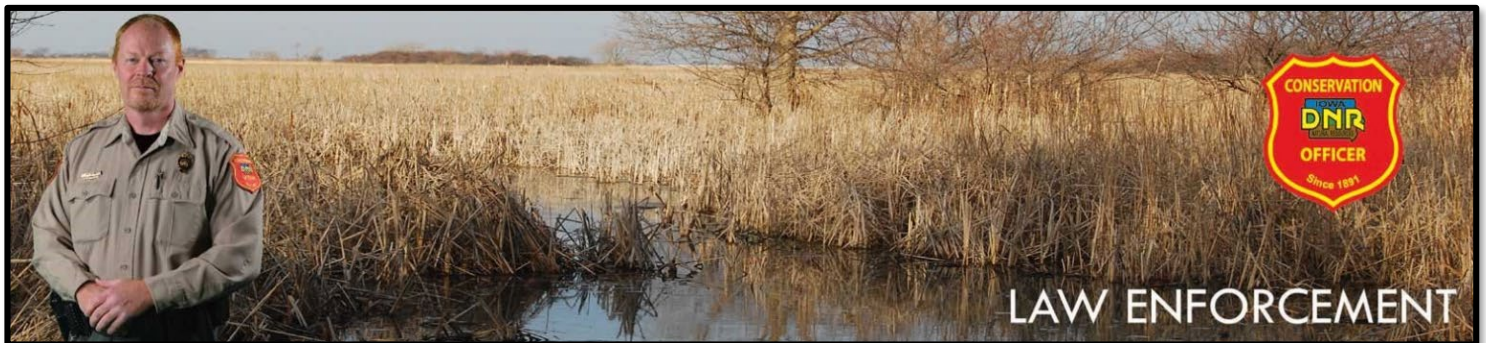
The Law Enforcement Bureau has 82 conservation officers including six supervisors, five recreational safety officers, and 71 field officers. All are fully certified state peace officers with the authority to enforce all Iowa laws. As U.S. federal deputy game wardens, they also may cross state lines when violations of federal wildlife laws have been committed.

Funding sources:

100% Fish and Wildlife Trust Fund

The primary responsibilities of **DNR Conservation Officers:**

- Enforces laws related to hunting, trapping, fishing, navigation, commercial fishing, snowmobiling and all-terrain vehicles.
- Investigates incidents involving outdoor recreation.
- Inspects game breeders, taxidermists, bait dealers and other commercial users.
- Educates adults and youth through hunter education, outdoor skills workshops, and other courses.
- Communicates with schools and community groups through public programs, and with the media through TV, newspaper, and radio shows.



LAND AND WATERS BUREAU:

The Land and Waters Bureau works collaboratively to ensure the effective implementation of environmental and conservation goals for the benefit of Iowa's citizens, providing a range of natural resource services to internal and external DNR stakeholders, including the following:

- Facility Maintenance & Improvement
- Restoration and Resource Enhancement
- Conservation & Compliance
- Land Protection
- Outdoor Recreation

CONSTRUCTION SERVICES SECTION

Funding sources:

20% Fish & Wildlife Trust

Fund 18% Lake Restoration

15% REAP Land Management

13% Marine Fuel Tax Capitals

11% Park and Institutional Road

Fund 11% REAP Open Spaces

10% Infrastructure - Health &

Safety 2% ATV

Programs, Services & Activities:

Construction Services- This program oversees the Department's capital improvement projects. Professional staff provide and put into practice the most advanced technology to ensure safe and cost effective solutions to architectural and engineering projects.

Services provided include: planning and development, engineering surveys, professional engineering and architectural design services, contract administration, project management and construction inspection, federal emergency management, emergency response projects, consultant selection and contract negotiations, and investigative reporting.

REALTY SERVICES SECTION

Funding sources:

20% Fish & Wildlife Trust

Fund 18% Lake Restoration

15% REAP Land Management

13% Marine Fuel Tax Capitals

11% Park and

Institutional 11%

REAP Open Spaces

10% Infrastructure - Health &

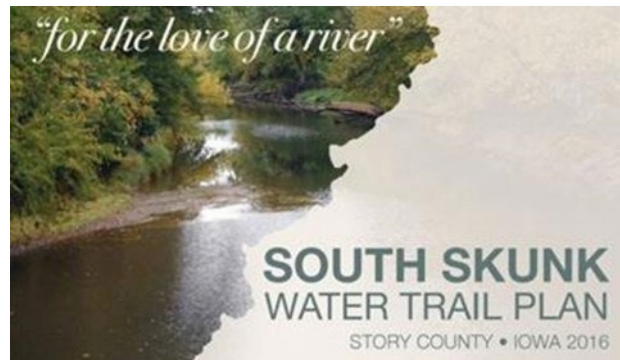
Safety 2% ATV

Programs, Services & Activities:

Public Land Acquisition and Donation Program- The Department of Natural Resources purchases land to manage and protect natural resources and to provide recreational opportunities to all the people of the state. Through the land acquisition program, wetlands, forests, scenic areas, prairies, wildlife and fish habitat, rare species habitat, and other resources are being protected and

managed. Appraisal services include contracting and reviewing independent fee appraisers for land acquisitions and conservation easements, including providing appraisal review for several DNR Grant programs assisting city and county municipalities with land projects.

Public Land Management Program- DNR land management services include handling land title issues, unauthorized land use issues, boundary agreements, and drainage district issues. Land use agreements such as leases, permits, management agreements, and the issuance of easements are negotiated by land management personnel. Other services include facilitating state title transfers to other



government agencies, agricultural lease program coordination and oversight, contracting for land surveys, building disposal, and management of DNR field office leases.

Conservation Easement Program- Conservation easements are a voluntary, legal means to protect and preserve land. There are many types of conservation easements including wetlands easements, angler and hunter access easements, trail and portage easements and forest, farm, ranchland protection easements to name a few. Conservation easements assist in protecting and improving water quality, wildlife habitat and natural resources in general. They are used to promote the personal desires of the landowner as well as preserving, protecting and improving the overall quality and character of the natural resources for future generations.

NATURAL AREAS INVENTORY SECTION

Funding sources:

68% Federal
32% General Fund

Programs, Services & Activities:

Natural Areas Inventory (NAI)- Section is responsible for the Department's programs protecting sovereign lands and waters and Iowa's rare plants and animals and habitats, emphasizing those of conservation concern. The group manages a database of protected species and natural communities; coordinates conservation efforts for endangered species including over 400 state-listed plant and animal species and 18 federally-listed species; serves the State Preserves Advisory Board; oversees research and management activities on 97 preserves statewide on lands with significant biological, geological, archaeological, historic, or scenic value; administers grants under Section 6 of the ESA (Cooperative Endangered Species Conservation Fund); and issues Sovereign Lands Construction permits (SLCP). Services provided include environmental review of potential impacts of proposed construction and development projects and endangered species consultation for the Department's development projects and land management activities.



LAKE RESTORATION PROGRAM SECTION

Funding sources:

100% State Appropriation (LRP)

Programs, Services & Activities:

Lake Restoration Program- Many of our Iowa Lakes, similar to our nation's lakes, are impaired and suffer from excessive algae growth and sedimentation due to nutrient loading and soil loss. The Lake Restoration Program's focus is on restoring Iowa's significant publicly-owned lakes and publicly-owned shallow lakes/wetlands.



RIVER PROGRAMS SECTION

Funding sources:

35% Fish and Wildlife Trust Fund
28% Marine Fuel Tax Capitals
21% Water Trails/Low Head Dam Appropriation
16% REAP Protected Water Areas

Programs, Services & Activities:

Low-Head Dams- low-head dam mitigation projects to remove or reduce hazards to public safety and/or fish passage

Education- moving water education instruction and training

Protected Water Areas (PWA)- comprehensive conservation efforts, in partnership with local groups and stakeholders, in identified protected water areas

Water Trails- water trail outreach, mapping, planning, designing, constructing and signing. 1,008 miles of dedicated water trails have been developed with 271 additional miles under evaluation.

WILDLIFE BUREAU:

Funding sources:

100% Fish and Wildlife Trust Fund

Programs, services & activities:

The Wildlife Bureau manages 409,752 acres of state and federal land and water resources to maximize benefits to wildlife and to realize recreation potential to its citizenry. Money from the sales of hunting and fishing licenses, federal excise taxes paid on hunting and fishing equipment, and federal and nongovernmental grants are deposited into the Fish & Wildlife Trust Fund that is the sole source of funding for the Wildlife Bureau.

Management Section

The state is divided into five districts comprised of 16 multi-county units that focus on providing places for wildlife to thrive and for people to enjoy. Work involves restoring or maintaining prairies, wetlands and forests using an ecosystem focus to provide the most benefits to the most species. Healthy native ecosystems support native wildlife populations.



Research Section

The wildlife research section monitors forest, upland, furbearers and wetland wildlife and nongame wildlife to track population trends, distribution and improve management in partnership with education institutions or government agencies. The research sections track harvest and population trends of game species as part of its season setting responsibility to ensure healthy, sustainable wildlife populations.

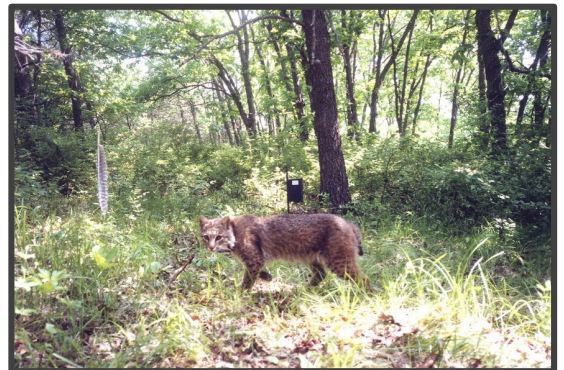
Wildlife Diversity Program

The wildlife diversity program within the research section collects population data on non-game species through the Multiple Species Inventory & Monitoring Program, designs and executes research projects on specific areas or for specific species, provides funding to partners through the REAP license plate funds for small management projects and creates educational materials for outreach events. The program oversees the Volunteer Wildlife Monitoring Program which allows citizens to record information on

various bird nesting or frog calling surveys.

Wildlife Action Plan

The Wildlife Action Plan provides a conservation roadmap for Iowa's wildlife for the next 25 years. The plan guides the Wildlife Bureau's work to conserve wildlife and natural places, which are important to Iowans' health and family traditions. It is reviewed and updated every 10 years.



Private Lands Program

Private lands program provides wildlife and forestry technical assistance to landowners; plans and carries out wildlife habitat improvement projects, forest stewardship projects, and helps find financial opportunities using federal programs available for conservation. It is successful because of its many partnerships including Natural Resources Conservation Service, Farm Service Agency, Forest Service, Pheasants Forever, Fish and Wildlife Service, Local Soil and Water Conservation Districts, and Iowa's landowners. The popular Iowa Habitat and Access Program, providing public hunting access to private land, is managed by the private lands program.



Wildlife Depredation Program

The depredation program works with landowners and communities to evaluate the impacts from wildlife and help to find a solution to resolve human-wildlife conflict. Assistance could include technical advice, alternative practices, working with neighbors, increasing hunting pressure or harassing wildlife to discourage them from damaging crops or other resources.

Habitat and Special Projects

Priority wildlife habitat needs across the state are proactively addressed through partnerships. These programs oversee strategic efforts such as land protection, public access to wildlife recreation, and development of best practices for land management.



Forestry

Professional district foresters in the Wildlife Bureau help manage and improve Iowa's forest resource by working with private landowners and public land managers to provide technical assistance and create forest stewardship plans to implement forest improvement practices. The bureau's twelve district foresters provide technical advice to cities, counties and private landowners for battling disease and invasive species, conduct outreach through landowner field days, and promote the planting of bare root, native seedlings from the State Forest Nursery.



IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

Forestry Section:

The Forestry Section works to help Iowans expand and care for the state's roughly 2.8 million acres of rural and urban forests. The forestry section utilizes professionally trained foresters and natural resource technicians to provide direct assistance to private landowners, Iowa communities, and to the ten State Forests. In addition, the Forestry Section manages a State Forest Nursery that provides at cost seedlings to enhance, protect, and restore Iowa's forest resources. The Forestry Section oversees forest health issues, land stewardship, forest legacy, fire training and management, and the bonded timber buyer program as part of the daily routine.

Forest Health Program

Funding sources:

70 percent Federal

30 percent State Woodland Health Funding

Programs, Services & Activities:

Forest Insects- Registers and maintains records of forest insects and the damage they are causing. Assist landowners, communities, and state lands in creating management plans to prevent outbreaks.

Forest Diseases- Oversees and models the top forest pathogens and helps develop plans to control them for landowner, communities, and state lands.

Non-Native Invasive Plants- Maintain a list of known non-native forest plants and develop management plans for the public to use.

Urban Forestry Program

Funding Sources:

50 percent Federal

50 percent General Fund & Services

Programs, Services & Activities:

Urban Forestry- Program activated result in for a sustainable and healthy natural resource. Last year the program was able to use two full-time employees, one seasonal employee and partial time commitments from 12 District Foresters.

The Iowa Urban and Community Forestry program provides technical and assistance to communities, individuals and organizations. The program combines federal, state, and other funds to provide support and technical assistance to over 400 Iowa communities annually.

Stewardship Program

Funding sources:

50 percent Federal

50 percent General Fund

Programs, Services & Activities:

Rural Landowner Assistance- The Forest Stewardship Program (FSP) encourages Iowa's 138,000 private woodland owners to engage in more active and sustainable forest management of non-industrial private forest land, which comprises over 92% of Iowa's forest resource and harbors 156 wildlife species of great conservation need. Activities promoted by the FSP help to strengthen Iowa's rural economy and advance the goals of the State's Forest and Wildlife Action Plans, the State's Nutrient Reduction Strategy, and the Iowa DNR's Strategic Plan.

The FSP is delivered by the DNR Wildlife Bureau's twelve District Foresters who provide educational programs, field days, and one-on-one technical assistance to over 7,500 private landowners annually, resulting in over 345 new written Forest Stewardship Plans covering 13,000 acres of woodland each year.



Fire Program

Funding Sources:

50% Federal

25% General Fund Appropriation

25% Pass-Through Match

Programs, Services & Activities:

State Fire Assistance- Promotes fire prevention, fire and prescribed fire training, critical preparedness, mobilization readiness for efficient suppression of wildfires on all State and private lands, and promotes and supports the National and Regional Cohesive Strategy goals to help maintain healthy forests and promote working relationships and service excellence.

Volunteer Fire Assistance- Provides financial, technical, and other assistance to organize, equip, and train small, local fire departments in rural communities with populations under 10,000 to prevent and suppress rural fires. Work contributes to healthy forests, forest stewardship, and sustainable economic development.

Federal Excess Property Programs- Provides access to two federal excess property programs (DOD-FFP and FEPP) which provide property at no cost to fire departments and emergency responders throughout the state. This works to provide departments and responders on minimal budgets with needed/beneficial equipment.

Forest Reserve Tax Exemption- DNR Foresters work to provide private forest and woodland owners with forest management incentives. This tax incentive is a tool in that toolbox. Annually the Fire Forester collects Forest Reserve data from each county, per state law.

State Forest Nursery

Funding Sources:

100% Tree Sales

Programs, Services & Activities:

The State Forest Nursery was originally established in Ames in the 1930's by the Civilian Conservation Corps. The nursery provides native, bareroot tree and shrub material at low-cost to encourage permanent plantings within the landscape.

The Nursery has sold more than 150 million seedlings since its establishment, including more than 40 million in the past 20 years. Each year 40 acres are in production, growing over 30 species for one or two years for nearly 3,000 customers.



Forest Legacy, Bonded Timber Buyers, State Land Technical Assistance

Funding Sources:

Forest Legacy:

50% Federal

50% General Fund

Bonded Timber Buyers:

100% General Fund

State Land Technical Assistance:

100% Timber Sales

Programs, Services & Activities:

Forest Legacy – The goal of the Forestry Legacy Program is to protect working forestland from development by using federal USDA Forest Service dollars to purchase permanent Conservation Easements on private forest land. Iowa currently has 10 Forest Legacy properties on 1,986 acres. The DNR holds title to these conservation easements, and is responsible for annually monitoring and reporting to the USDA Forest Service.

Bonded Timber Buyer – The Code of Iowa 456A.36 requires DNR to maintain bonds or certificates of deposit (CD's) for timber buyers. Any person engaged in the business of buying timber must file a bond or surety with the DNR. The DNR manages the application process for timber bonds and maintains a list of all bonded buyers.

State Land Technical Assistance – The Forestry Section oversees the administration of all state land timber sales and forest management practices. Income derived from timber sales is reinvested in state land management to promote forest sustainability and regeneration.



IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

REAP:

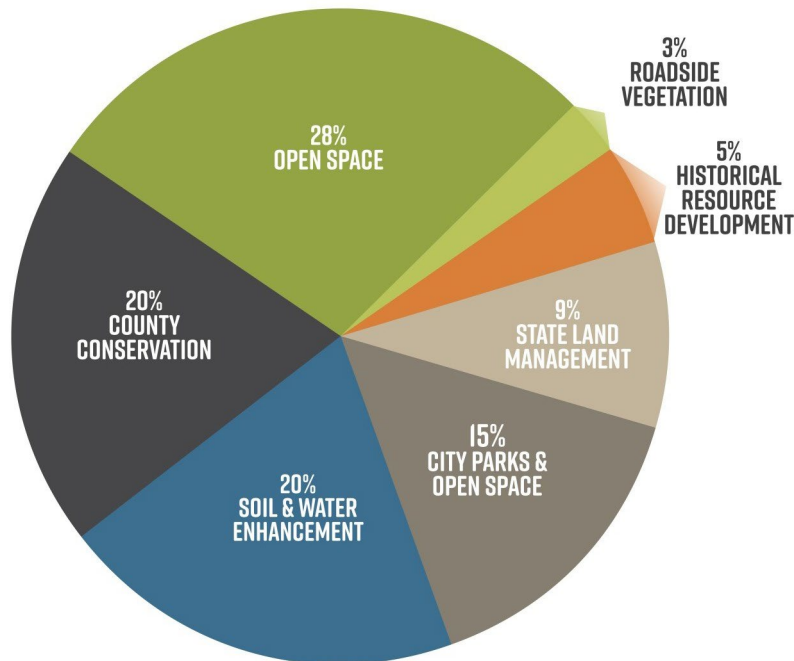
REAP stands for Resource Enhancement and Protection. It is a program in the State of Iowa that invests in the enhancement and protection of the state's natural and cultural resources. Iowa is blessed with a diverse array of natural and cultural resources, and REAP is likewise diverse and far reaching. Depending on the individual programs, REAP provides money for projects through state agency budgets or in the form of grants. Several aspects of REAP also encourage private contributions that help accomplish program objectives.

REAP is funded from the state's Environment First Fund (Iowa gaming receipts) and from the sale of the natural resource license plate. The program is authorized to receive \$20 million per year until 2026, but the state legislature sets the amount of REAP funding every year. This year REAP was appropriated \$12 million. When you add license plate and interest income, its total budget is about \$12.4 million. These funds go into eight different programs based upon a percentages that are specified in the law. These percentages, or what many people call the REAP formula, are shown in the following pie chart.



FUND DISTRIBUTION

\$350,000 CONSERVATION EDUCATION & 1% ADMINISTRATION



ENVIRONMENTAL SERVICES DIVISION

The Environmental Services Division (ESD) Management Team consists of the Division Administrator and the Chiefs of four Bureaus: Air Quality, Field Services & Compliance, Land Quality and Water Quality. These individuals, along with approximately 322 full-time employees, are responsible for implementing the laws and regulations necessary to protect the quality of Iowa's air, land, and water.

Management Team Responsibilities

The ESD Management Team helps set policies and budgets, and ensures the bureaus are working together to optimize the resources each brings to the table.

Division Administrator: The DA is appointed by the DNR Director and is a key member of the Director's executive management team and, also, ensures the Department's work, mission, vision, and needs are articulated at all levels, internally and publicly. The DA also serves as staff lead for the Environmental Protection Commission.

Administrative Team: The administrative team is charged with specific division management and agency-wide operation tasks and required reporting, in addition to their core duties.

The Executive Officer 1 serves as executive assistant to the DA and Board Administrator to the Environmental Protection Commission.



IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

LAND QUALITY BUREAU:

The Land Quality Bureau works to protect Iowa's groundwater, flood plains and land resources through technical assistance and oversight to industries and organizations. Areas of responsibility include: contaminated sites, underground petroleum storage tanks such as those at gas stations, proper solid waste management at landfills, construction activities in Iowa flood plains, safety of dams on Iowa waterways, geographic information systems (GIS) coordination, and development of sustainable environmental practices through financial and professional assistance.

UNDERGROUND STORAGE TANKS SECTION

Funding sources:

85% Federal

15% non-GF State (tank registration fees)

Programs, Services & Activities:

Underground Storage Tanks Program (UST)- Registers and maintains records of active UST sites including financial responsibility. Oversees operation and closure of UST systems with the goal of preventing petroleum releases.

Leaking Underground Storage Tanks Program (LUST)- Oversees risk assessment of petroleum releases at LUST sites. Ensures adequate cleanup or corrective action at sites where releases are detected.

Certification and Licensing of UST Professionals- These include environmental consultants, third party compliance inspectors, and tank installers and removers.

FLOOD PLAIN MANAGEMENT & DAM SAFETY

Funding sources:

80% General Fund (flood plain appropriation)

20% Federal

Programs, Services & Activities:

Flood Plain Development Permits- Regulates construction on all state flood plains and floodways to protect life and property and to promote orderly development and wise use of flood plains.

Dam Safety- Responsible for the state's dam safety program. Reviews and approves the construction of new dams, maintains inventory of existing dams meeting minimum size criteria, and periodically inspects major dams.

National Flood Insurance Program- Works with cities and counties to develop and administer local flood plain management programs, coordinates the National Flood Insurance Program, and assists the Federal Emergency Management Agency and the Iowa Emergency Management Division in responding to flood disasters.



SOLID WASTE & CONTAMINATED SITES SECTION

Funding sources:

65% non-GF State (Solid Waste Tonnage Fees & Hazardous Waste Fees)

35% Federal

Programs, Services & Activities:

Solid Waste Permitting Program- Regulates solid waste management facilities and activities including landfills, transfer stations, waste processing sites, compost operations and certain recycling operations.

Beneficial Use Determinations- Determines if a specific use of a solid industrial by-product constitutes reuse rather than disposal, and upon review is determined not to adversely affect human health or the environment.

Emerging and Problem Wastestreams- Manages programs and initiatives for properly managing problem wastes such as oil filters, mercury containing devices, mass animal mortalities and electronics.

Special Waste Authorization- Provides safe and proper management for disposal of wastes which present a threat to human health or the environment or a waste with inherent properties which make the disposal of the waste in a sanitary landfill difficult to manage.

Federal Superfund – National Priority List Sites, CERCLA Remedial & Removal Sites. In cooperation with U.S. EPA, addresses sites contaminated by hazardous materials or wastes including removal and remedial components general targeted at more seriously contaminated sites.

State Contaminated Site Program- Addresses contamination situations at sites not covered by other state or federal programs.

Brownfields- Works cooperatively with communities and economic development stakeholders to assess, safely clean and sustainably reuse abandoned or idled industrial and commercial facilities where development is hindered by real or perceived environmental contamination.

State Voluntary Land Recycling Program- Allows owners or other stakeholders of a property to voluntarily assess and implement remedial actions at a site that is perceived to be contaminated. The DNR provides a certificate for a site following assessment and implementation of appropriate cleanup remedies to assure protection of public health and the environment.



FINANCIAL & BUSINESS ASSISTANCE SECTION

Funding sources:

90% non-GF State (Solid Waste Tonnage Fee, HHM Retailer Permit Fees, AG's office penalties on referral cases) 10% Federal

Programs, Services & Activities:

Solid Waste Alternatives Program (SWAP)- Provides waste reduction and recycling project grants and loans.

Household Hazardous Materials (HHM)- Provides financial assistance for the establishment and support for statewide collection and education network addressing the proper use and disposal of HHMs.

Pollution Prevention Services (P2)- Provides confidential, non-regulatory environmental technical assistance at no cost to Iowa's business and industry, institutions and governmental agencies with 100 or more employees. Administers the P2 program.

Mobile Education Exhibit – Created to showcase environmental topics and is an all-inclusive education experience that includes informative displays, touch screen computers with games, flat screen televisions and more.

Iowa Waste Exchange (IWE)- Free, confidential and non-regulatory program that matches businesses' by-products with those who can use them as resources.

Derelict Building Grant Program- Works with communities with populations of 5,000 or fewer who need assistance with addressing abandoned buildings, while diverting construction and demolition materials from landfills and reducing the environmental, health and safety impacts to the community.

Comprehensive Planning / Solid Waste Environmental Management System (EMS)- Comprehensive Planning / Solid Waste Environmental Management System (EMS) - Each community in Iowa is part of a Solid Waste Planning Area. Every five years each Planning Area solicits input and files a Comprehensive Plan Update (IAC 567-101) with the department for review. The plan describes the state of the 3Rs (Reduce, Reuse, Recycle) along with disposal information, programs and goals. Iowa's Solid Waste EMS is a voluntary alternative program to Comprehensive Planning that encourages responsible environmental management while promoting environmental stewardship and continuous improvement for solid waste planning areas and permitted facility service areas.



GEOGRAPHIC INFORMATION SYSTEMS

Funding sources:

- 10% Federal
- 40% General Fund (flood plain appropriation)
- 50% Solid Waste Tonnage Fees, Water Quality, other state grants

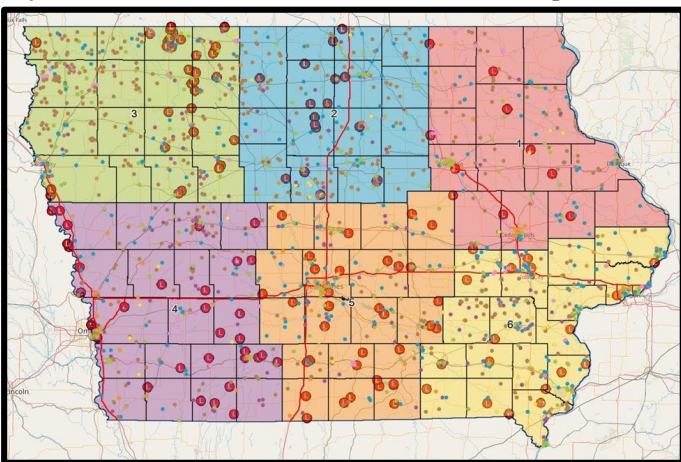
Programs, Services & Activities:

Natural Resource Geographic Information System (NRGIS)- Develops, manages and distributes DNR's NRGIS, including data collection and analysis required for various resource investigations, to support decision-making and fulfill information requests from the public. Several online applications are maintained to provide information and assistance to DNR staff and the public. The AFO Siting Atlas, Iowa Elevation Tools, Historic Photography Viewer, Recreation

Atlas and the Derelict Buildings Viewer are just a few of these. In addition, the many online maps and tools maintained by the GIS Section are accessed for the development and functionality of applications maintained by other DNR

programs, state and federal agencies, and the public. GIS support and training is also provided to other sections of the DNR.

Flood Plain Mapping- Partnering with the FEMA and others in creating new, comprehensive, accurate flood plain maps for Iowa cities and counties. Many Iowans will learn if their property is at risk of flooding for the first time.



IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

WATER QUALITY BUREAU:

The Water Quality Bureau works to protect and enhance Iowa's waters to ensure sufficient quality and quantity of water for aquatic life and the use of our citizens, now and into the future. Areas of responsibility include: drinking water and wastewater oversight and technical assistance, water monitoring and assessment, watershed project technical assistance and financial assistance to communities for the funding of water infrastructure improvements. The DNR works to enhance and protect water quality so Iowans have safe, clean water for drinking, household use and outdoor recreation. From drinking water to wastewater and from wetlands to lakes, ensuring clean water is a priority for Iowa.

Public Drinking Water Program

The purpose of Iowa DNR's Public Drinking Water Program is to protect and enhance the public health, safety, and quality of life for all persons by ensuring the public drinking water is safe to drink. DNR has primacy for direct implementation of the Safe Drinking Water Act and state regulations to ensure drinking water quality is monitored on a routine basis, that public water system supplies are designed, operated, and maintained to minimize the possibility of contamination, and that the public is notified in the event of a violation.

In calendar year 2021, over 3.04 million people (of the 3.06 people served by Iowa's Public Water Supplies) regularly received water from systems meeting all health-based drinking water standards. In other words, 99% of Iowa's population is served by systems meeting health-based standards.

Funding sources:

63% Federal Funds
16% Water Quality Protection Fund
16% Fees (Operator Certification, Lab Certification, SRF)
4% General Fund
1% Groundwater Fund

Programs, Services & Activities:

Construction permitting – Helps ensure that public water supplies provide adequate quantities of safe drinking water throughout correct design and construction of treatment and distribution facilities and manages the Drinking Water State Revolving Loan Fund projects including cost eligibility.

Technical assistance – Provides technical assistance to water operators and problems, provides educational opportunities for operators to optimize their existing treatment processes, provides technical assistance in water supply regulations, and develops the annual Water Supply Program Compliance Report.

Viability assessment & capacity development – Works with public water supplies to improve their technical, managerial, and financial capacity.

Public water supply system operation permitting – Protects public health by ensuring compliance with the Safe Drinking Water Act and state regulations through issuance of operation permits, technical assistance, and enforcement actions for over 1,800 public water supplies.

Compliance and enforcement determination – Provides assistance to systems, determines if systems are in compliance with the sampling and reporting requirements, and issues enforcement actions as needed, including compliance schedules.

Certification of water operators – Responsible for the testing, certification and training of approximately 6,500 wastewater treatment, water treatment and water distribution operators throughout the State of Iowa.

Certification of environmental laboratories – Certification of laboratories conducting compliance sample analysis.



Water allocation program – Issue water use permits to allocate, manage, and track the withdrawal of water from Iowa’s aquifers and surface water sources and administers procedures to resolve water usage conflicts.

Private well program – Provides oversight and technical assistance to protect groundwater resources and public health through private well permitting, promotion of well owner water testing and well plugging, and tracks and maintains well and water monitoring information for public use.

Source Water Protection – Provides source water assessments for all public water supplies, assists communities with developing their own source water protection plans and assists with implementation in order to protect their drinking water sources from potential contamination sources.

Clean Water Programs

The Water Quality Bureau is responsible for the restoration and maintenance of the integrity of Iowa’s waters. The bureau does this by working towards the elimination of the discharge of pollutants to achieve water quality levels that are fishable and swimmable. DNR implements the Clean Water Act and state regulations to gather information about the condition of waters, apply that information against a set of water quality standards, determine sources and contributions of water quality problems and work with local communities to implement practices to remedy the problems.

Funding sources:

44% Federal Funds

5% Water Quality Protection Fund

40% Fees (NPDES, Time of Transfer, Stormwater, SRF)

2% General Fund

9% Environment 1st



Programs, Services & Activities

Standards, Monitoring and Assessment:

Water quality standards – Develops state water quality standards to ensure that all Iowans have surface waters that are fishable and swimmable to the fullest extent practicable and that water sources are put to their best beneficial uses.

Ambient/Targeted monitoring – Provides statewide monitoring of river chemistry and stream aquatic life, lakes, groundwater, wetlands and fish tissue. The program provides consistent, unbiased information about the condition of Iowa’s water resources to support decisions affecting development, management and protection of these resources. Targeted monitoring provides tailored approaches such as swimming beach advisory development, nonpoint source pollution control planning and evaluation and lake restoration planning and evaluation.

Water quality assessment – Prepares water quality assessments to estimate the extent to which Iowa’s water bodies meet the goals of the Clean Water Act and attain State water quality standards and shares this information with planners, citizens and other partners.

Water quality improvement plans – Identify and locate a water quality problem in a stream or lake and suggest ways that communities can improve their stream or lake to meet Iowa’s water quality standards.

Clean Water Implementation:

Nonpoint source program: Supports a wide variety of activities including technical assistance, financial assistance, education, training, technology transfer, demonstration projects and monitoring to assess the success of specific nonpoint source implementation projects. DNR’s Watershed Improvement Program, focused on how drainage from land affects water sources, has funded nearly 630 local, regional and statewide clean water projects since 1990. Local staff work with landowners and officials to track improvements in water quality and its projects in Iowa have totaled \$113 million through implementation of Section 319 of the Clean Water Act.

Wastewater construction permitting: Ensures wastewater treatment systems are designed and constructed to provide adequate and reliable wastewater treatment and disposal to protect the environment and public health. Manages the Clean Water State Revolving Loan Fund projects including project and cost eligibility. Since 2011, more than 115 Iowa communities have constructed wastewater treatment technologies that now remove more than 1 million pounds of ammonia annually from more than 41 billion gallons of wastewater. Additionally, 191 communities constructed technology that disinfects 86 billion gallons of effluent annually to reduce bacteria in waterways.



National Pollutant Discharge Elimination System Permitting (NPDES): Issues and renews individual discharge permits for over 1,600 point source discharge facilities from publicly owned treatment works, industrial facilities and storm water runoff. Issues wastewater discharge permits and General Permit authorizations for any point source discharging pollutants into Iowa’s waters.

Onsite wastewater disposal program: Issues general permit authorizations for on-site wastewater disposal systems and provides support to all 99 county Boards of Health. Program components include licensing and inspection of commercial septic tank cleaners and operating the time of transfer inspection program including the certification of inspectors and issuing General Permit authorizations.

401 Water Quality Certifications: State certification for any federally permitted or licensed project that may result in a discharge to ensure that the project will not violate state water quality standards.

Iowa’s State Revolving Fund Loan Program

The State Revolving Fund is a clean water and drinking water infrastructure funding program for Iowa’s communities to obtain funding to ensure compliance with clean water and drinking water environmental and permitting requirements.

DNR and the Iowa Finance Authority jointly administer the SRF. The DNR administers the environmental and permitting aspects to get projects ready for financing. This includes engineering and design approval and construction permits. DNR staff assists applicants through the environmental review process. IFA manages the financing side of the programs and staff work with applicants on loan approvals and disbursements.

Iowa’s SRF has provided over \$4 billion in cumulative assistance as of SFY 2021 and continues to be an effective and cost-efficient mechanism for financing projects to protect water quality and public health.



Funding source:
83% Federal Funds
17% State Funds (Leverage Bonds)

Programs, Services, and Activities

Clean Water State Revolving Fund Loan Program – Funds wastewater treatment, sewer rehabilitation, and stormwater quality improvements, as well as nonpoint source projects. Publicly owned wastewater treatment works, including those owned by cities, counties, sanitary districts and utility management organizations are eligible. For non-point source projects, both public and private entities are eligible, including farmers, landowners, watershed organizations, landfills and rural homeowners.

The Clean Water State Revolving Fund Loan Program consists of three main program areas: Purchase of debt obligations for publicly owned facilities for wastewater and some stormwater projects; Direct loans or linked deposit financing approaches to address nonpoint source pollution; and Water Resource Restoration Sponsored Projects that address nonpoint source pollution via interest rate reduction on wastewater loans.

Drinking Water State Revolving Fund Loan Program – Funds construction of new water treatment plants, improvements to existing facilities, water line extensions to existing unserved properties, water storage facilities, wells, and projects for resilience and consolidation. All public water supplies are eligible for the Drinking Water State Revolving Fund Loan Program. Public and private community water systems whether they are for profit or not for profit, non-transient non-community public water supplies, if they are either publicly owned or are not for profit, and transient non-community systems if they are owned by government entities are eligible.

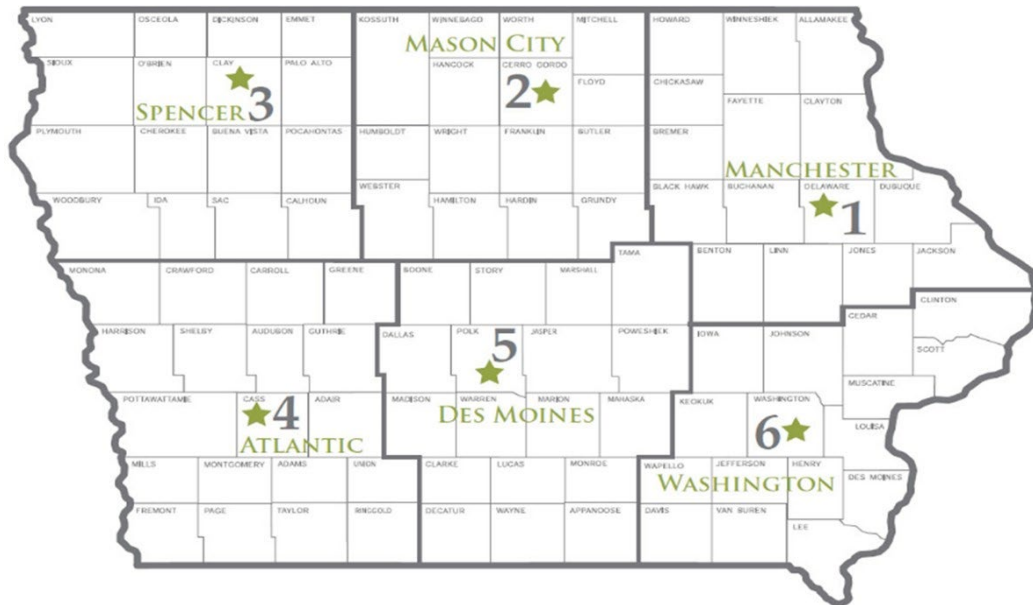


IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

FIELD SERVICES AND COMPLIANCE BUREAU:

The Field Services & Compliance Bureau helps citizens, businesses, industries, and municipalities achieve compliance with Iowa's environmental programs. We serve as local responsive contact points in six regional field offices to help protect Iowa's air, land and water resources. Technical assistance and oversight is provided in program areas that include safe drinking water, wastewater, storm water, source water protection, air quality, solid waste, underground tanks and leaking underground tanks, animal feeding operations, floodplains, and emergency response.



<u>Field Office 1</u>	<u>Field Office 2</u>	<u>Field Office 3</u>	<u>Field Office 4</u>	<u>Field Office 5</u>	<u>Field Office 6</u>
Shane Dodge, Supervisor	Trent Lambert, Supervisor	Scott Wilson Supervisor	Jessica Montana, Supervisor	Ted Petersen, Supervisor	Kurt Levetzow, Supervisor
1101 Commerical Ct, Suite 10 Manchester, IA 52057 P: 563-927-2640	2300 15th St. SW Mason City, IA 50401 P: 641-424-4073	1900 N. Grand Ave., Ste. E17 Spencer, IA 51301 P: 712-262-4177	1401 Sunnyside Ln. Atlantic, IA 50022 P: 712-243-1934	502 E. 9 th Street Des Moines, IA 50319 P: 515-725-0268	1023 W. Madison Washington, IA 52353 P: 319-653-2135



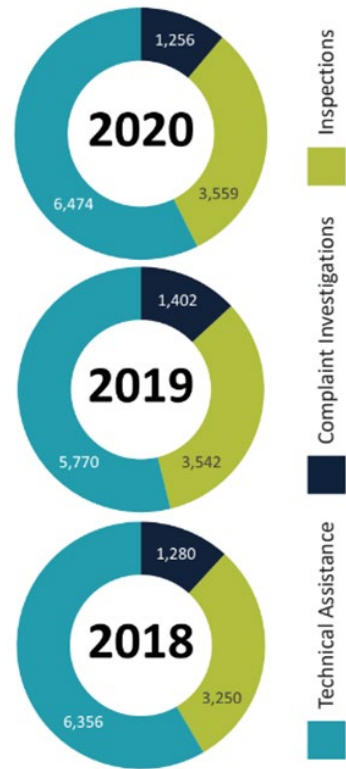
Compliance Goals

DNR’s trained field specialists are on the same mission you’re on – to protect Iowa’s air, land and water.

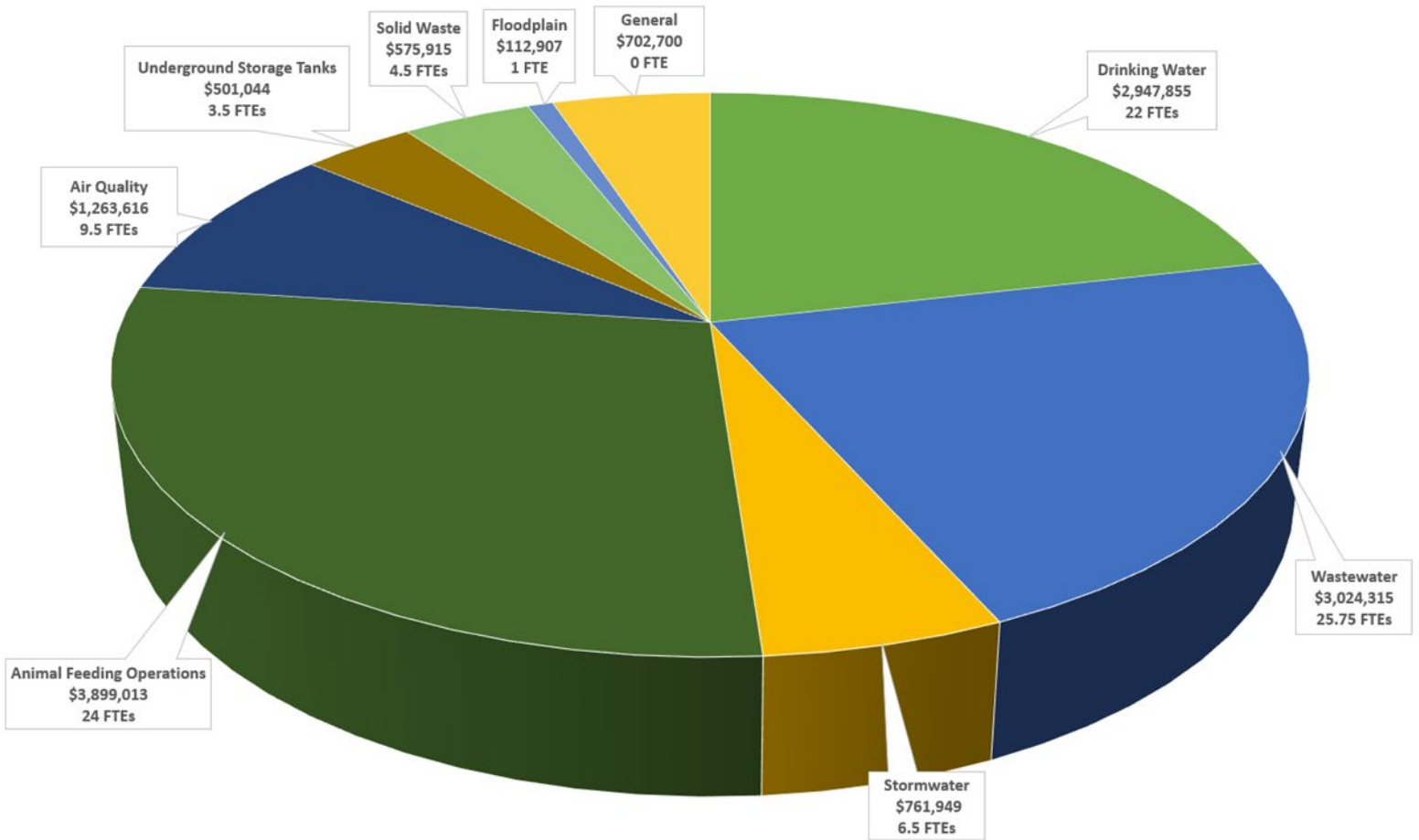
Our goal is coaching for compliance – providing the needed technical assistance – rather than pursuing costly enforcement actions.

DNR Field Offices continue to **MEET or EXCEED** most of its compliance goals while also providing more inspections, technical assistance and complaint investigation services.

Achieving some of the highest compliance rates in the nation is a direct result of DNR staff working effectively with various stakeholders – providing valuable assistance to the regulated community and to the citizens of Iowa.



FY 2022 Bureau Budget



IOWA DEPARTMENT OF NATURAL RESOURCES

LEADING IOWANS IN CARING FOR OUR NATURAL RESOURCES

AIR QUALITY BUREAU:

The Air Quality Bureau works to assure that National Ambient Air Quality standards for public health and welfare protection complements continued economic growth in the state. In collaboration with the Iowa Economic Development Authority, local business development groups, large and small business, and the public, the bureau employs Lean government techniques to streamline application and permitting processes and technical and regulatory assistance.

AIR QUALITY CONSTRUCTION PERMITTING

Funding sources:

62% Application Fees
2% Emission Fees
12% General Funds
24% Federal Funds

Programs, Services & Activities:

Pre-Construction Permits (Major and Minor New Source Review) – Reviews and issues permits to construct new or modified equipment that emits air pollution. Permits establish enforceable emission limits to assure that National Ambient Air Quality and emission standards, potential to comply emissions testing, and operational requirements are met. Annually approximately 2,000 applications are submitted and permits or determinations for exemptions are issued. On average, these permits take 38 days to issue.

Prevention of Significant Deterioration of Air Quality Permits – At facilities that emit large quantities of air pollution, the application and review process requires significantly more review of information to determine the level of air pollution control required for equipment that emits air pollution. These permits, on average take 120 days to issue.

OPERATING PERMITTING AND EMISSIONS INVENTORY

Funding sources:

51% Application Fees
41% Emission Fees
6% General Funds
2% Federal Funds

Programs, Services & Activities:

Title V Operating Permits – Reviews and issues permits to operate to facilities considered as major sources of air pollution. Permits are renewed every 5 years to include new and modified equipment and ongoing emissions monitoring and testing to assure continuous compliance.

Emissions Inventory – Collects emissions reports from major facilities annually, and minor facilities triennially to report on air pollution trends for air resource planning. Provides training to businesses, analyzes data, and reports greenhouse gases to the governor and legislature.

PROGRAM DEVELOPMENT AND SUPPORT

Funding sources:

83% Emissions Fees

5% General Funds

12% Federal Funds

Programs, Services & Activities:

State Implementation Plans – Develops bureau plans to ensure that the combination of air quality programs such as permitting, air pollution dispersion modeling, compliance assistance and ambient air monitoring all work together to ensure the State of Iowa meets the National Ambient Quality Standards. Develops and updates infrastructure, attainment, and maintenance plans to meet changing ambient air quality, visibility, and air pollution transport requirements. Develops air quality rules that implement state and federal air quality requirements.

Program Support - Provides support for and development of electronic data systems, including training and assistance to large and small industries in their use of electronic application, notification, and reporting systems. Provides air quality public records to internal and external customers. Conducts air dispersion modeling to predict the impact on air quality of new or modified emission sources. Coordinates bureau budgeting and funding activities with stakeholders.

COMPLIANCE ASSISTANCE AND MONITORING

Funding sources:

64% Emissions Fees

19% Federal Funds

8% Environment First

Funds 4% State General

Funds

5% Asbestos Notification Fees

Programs, Services & Activities:

Ambient Air Monitoring – Collects ambient air quality samples across the state in collaboration with the University of Iowa State Hygienic Laboratory,

Linn County, and Polk County. Establish quality assurance and quality control requirements for data collection and handling, standard operating procedures, obtains, operates, and repair equipment.. Review and analyze data, and report results to the public and U.S. EPA. Provide and report in real-time on high pollution episodes so that the public can take cautionary measures to reduce exposure.

Stack Test Observation – Provide technical assistance and regulatory oversight of emissions testing conducted at facilities emitting air pollution.

Compliance Assistance & Enforcement - Provide regulatory assistance to facilities to help them to comply with air construction permits, operating permits, and other state and federal requirements. Reviews and issues variances from rules, when appropriate. Reviews Title V operating permit compliance reports and New Source Performance Standard and National Emissions Standards for Hazardous Air Pollutant reports. Reviews and consults on compliance plans and excess emission reports.

Asbestos Compliance Assistance & Inspections - Provide technical assistance to the owners of commercial, industrial, and governmental buildings on the proper inspection for asbestos containing materials prior to renovations and demolitions. Inspects and provides guidance at asbestos remediation.



