

# BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT

## WATER QUALITY PROGRAM

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Office of Environmental Compliance, Environmental Monitoring Unit



# WATER QUALITY CO LEADS

## INTRODUCTIONS

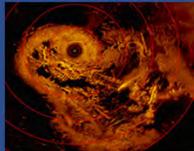
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## AGENDA

- Environmental Compliance Program
- Gulf of Mexico Region – Office of Environmental Compliance
- Water Quality Program
  - Interagency Coordination
  - Governing regulations
  - Inspections
- Questions



# BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT

## ENVIRONMENTAL COMPLIANCE PROGRAM

The Environmental Compliance Program is the bureau's national program comprised of 4 Regional locations that work together to support BSEE's overall compliance mission.

- Alaska Outer Continental Shelf Region
- Pacific Outer Continental Shelf Region
- Gulf of Mexico Outer Continental Shelf Region
  - Office of Environmental Compliance
- Headquarters

# BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT

## ENVIRONMENTAL COMPLIANCE PROGRAM



Our Mission is to ensure lessees/operators subject to BSEE jurisdiction and active on the Outer Continental Shelf (OCS) comply with:

- All required environmental laws and regulations
- Environmental standards established by science and found in leases, plans, permits; and
- Applied mitigations and terms/conditions of approval

# BUREAU OF SAFETY AND ENVIRONMENTAL ENFORCEMENT

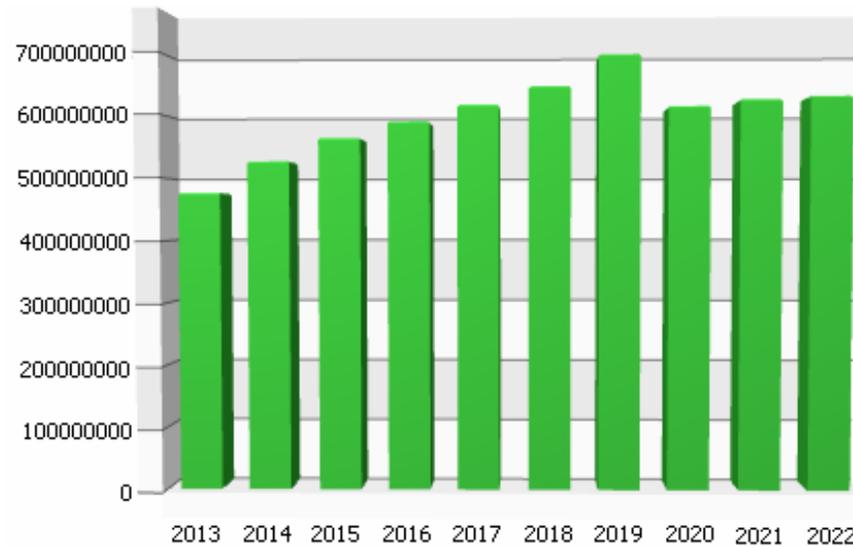
## ENVIRONMENTAL COMPLIANCE PROGRAM



### Oil and Gas Production by Calendar Year

(Data obtained from Oil & Gas Operations Reports submitted by offshore operators to the Office of Natural Resources Revenue)

| Oil (barrels) |         |            |             |             |
|---------------|---------|------------|-------------|-------------|
| Year          | Alaska  | Pacific    | Gulf        | Total       |
| 2013          | 669,148 | 18,565,833 | 459,046,740 | 478,281,721 |
| 2014          | 625,303 | 18,506,540 | 510,467,459 | 529,599,302 |
| 2015          | 609,912 | 11,451,040 | 553,007,049 | 565,068,001 |
| 2016          | 548,343 | 6,142,614  | 585,712,140 | 592,403,097 |
| 2017          | 513,420 | 5,714,391  | 613,670,834 | 619,898,645 |
| 2018          | 491,616 | 4,873,812  | 642,064,616 | 647,430,044 |
| 2019          | 479,711 | 4,448,922  | 692,744,886 | 697,673,519 |
| 2020          | 458,067 | 4,568,527  | 609,733,770 | 614,760,364 |
| 2021          | 449,679 | 3,991,793  | 622,964,856 | 627,406,328 |
| 2022          | 397,410 | 2,682,024  | 629,092,410 | 632,171,844 |



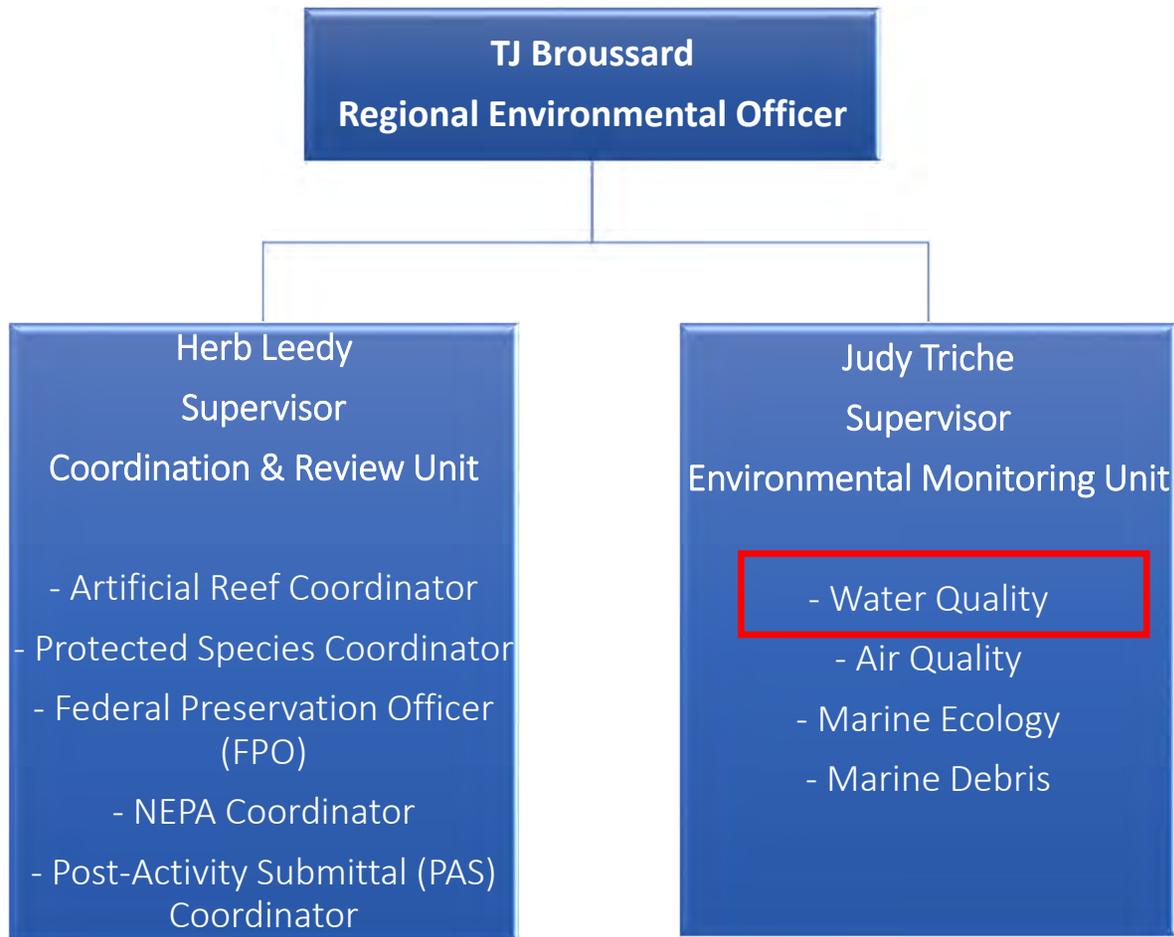


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# OFFICE OF ENVIRONMENTAL COMPLIANCE

GULF OF MEXICO REGIONAL OFFICE



# WATER QUALITY PROGRAM

## ENVIRONMENTAL MONITORING UNIT



- Water Quality Coordinates with:
  - U.S. Environmental Protection Agency (EPA) on National Pollutant Discharge Elimination System (NPDES) permit issues
  - Bureau of Ocean Energy Management (BOEM) on research and water quality analysis needs
  - U.S. Coast Guard (USCG) on issues involving general pollution prevention and National Response Center reports (internal database)
  - BSEE Regional and District Field Operations Offices and Oil Spill Preparedness Division (OSPD)
- Conducts field compliance verification through risk-based planning and inspections
- Enforces non-compliance and ensures effective corrective action requirements

# INTERAGENCY COORDINATION

## HOW BSEE, BOEM, AND EPA WORK TOGETHER

- A 1984 MOU between DOI and EPA established procedures for cooperation for issuing and enforcing NPDES General Permits for OCS facilities
  - Under the MOU BSEE conducts inspections of OCS Facilities on EPA's behalf
- Existing regional MOAs between BSEE and EPA Regional Offices further outline NPDES responsibilities to address:
  - Post lease monitoring
  - Inspection and enforcement roles and procedures



# WATER QUALITY ENFORCEMENT

## ENVIRONMENTAL MONITORING UNIT



- **Outer Continental Shelf Lands Act**
  - 30 CFR 250.300 Subchapter C- Pollution Prevention and Control
  
- **Clean Water Act**
  - Principal statute governing pollution control and water quality
  - Establishes conditions and requires permitting for discharge of pollutants into the waters of the U.S. under the National pollutant Discharge Elimination System



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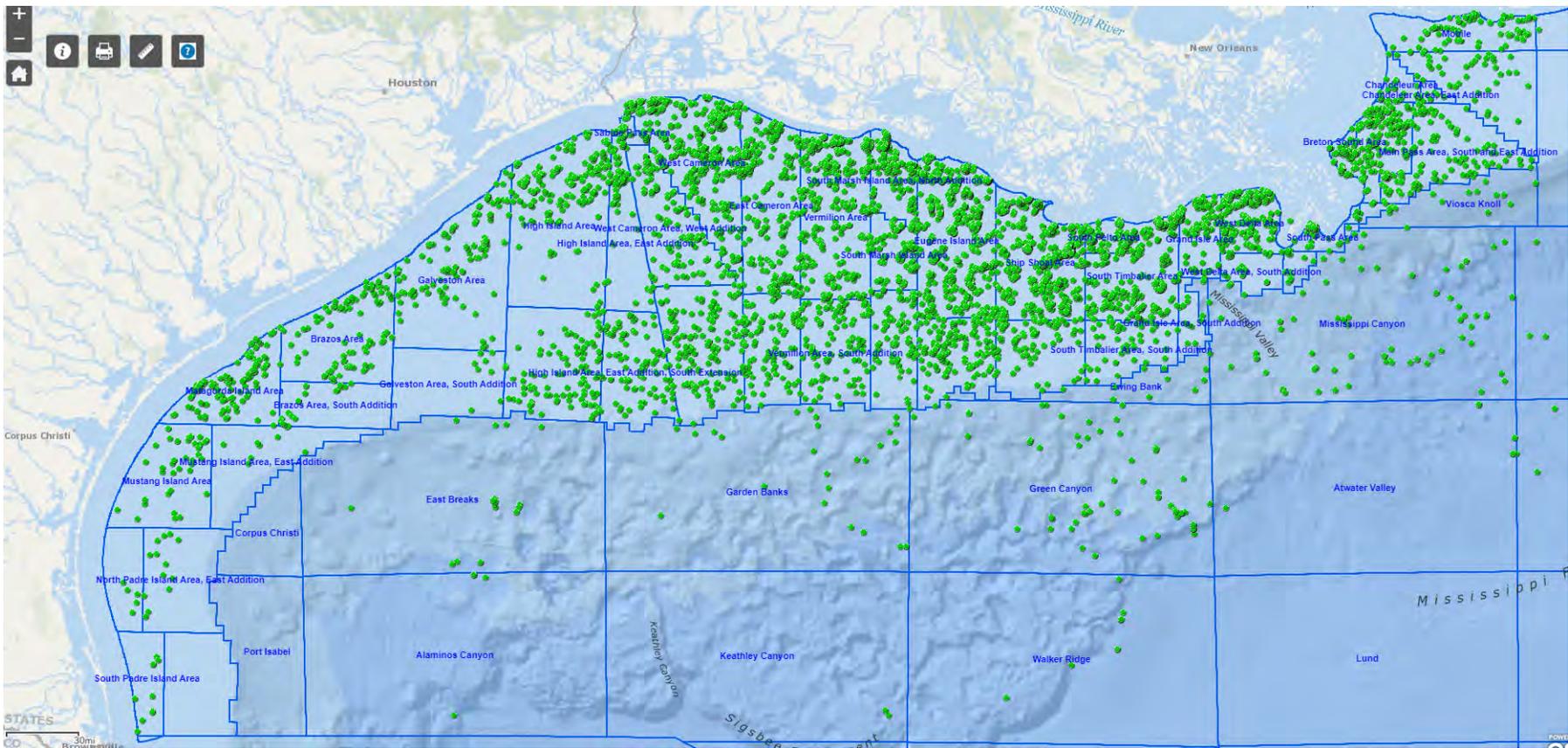
# WATER QUALITY INSPECTIONS

## ENVIRONMENTAL MONITORING UNIT

- Risk assessment matrix database using NRC reports that follows trends or commonalities of releases by:
  - reoccurring responsible party
  - Equipment type
  - Pollutant type
  - Particular practice
- History of incidents of non compliance
- EPA input
- District input
- Production rates
- Water quality inspection history



# GULF OF MEXICO FACILITIES



# KEY TAKE-AWAY MESSAGES

BSEE is responsible for implementing and enforcing most environmental regulations on the OCS that fall under DOI jurisdiction.

- We use the full range of enforcement tools available to ensure a high level of compliance, encourage safe and environmentally sound results, and verify that the operator is conducting all operations within BSEE's purview in a safe and responsible manner.

BSEE Water Quality, BOEM, and EPA all work together on the OCS under MOAs





# QUESTIONS?

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*Promoting Safety, Protecting the Environment and Conserving Offshore Resources*