



# Incident History Database (IHDB)

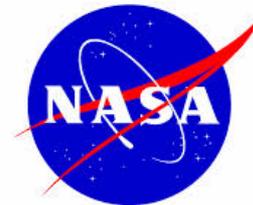
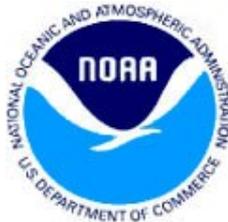
SAR Controllers Training 2016

1 – 3 March 2016

Beth Creamer

ERT

USMCC Senior Controller





# What is the IHDB?

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- The Incident History Database (IHDB)
  - Contains records for beacon activations in the US service area
    - Records are created when sites close (beacon stops transmitting)
    - Records are:
      - Populated by RCC Controllers
      - Checked by USMCC Controllers and USMCC operations staff
  - Is maintained by NOAA
  - Is the historical record of “why” a beacon activated



# Who Uses the Information in the IHDB?

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## Resource for:

- RCC Controllers for previous activation history
- NOAA reporting (daily, weekly, quarterly, and annually)
- Annual report to COSPAS-SARSAT
- US Coast Guard and the US Air Force for reports
- Continuous research
  - Beacon reliability – Reported to Beacon Manufacturer's Workshop
  - Repeat offenders data
  - RGDB accuracy
  - more



# Access to the IHDB

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- Request new accounts through:
  - For AFRCC/AKRCC
    - Dan Conley, AFRCC SAR Duty Officer  
Danny.Conley@tyndall.af.mil
  - For USCG
    - LCDR Aaron Ortenzio, SARSAT Liaison Officer  
Aaron.J.Ortenzio@uscg.mil
- Passwords can be reset by the USMCC Controller



# IHDB False Alert Reason

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- Beacon Mishandling
- Beacon Malfunction
- Mounting Failure
- Environmental Conditions
- Unknown



# IHDB False Alert Reason

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- Beacon Mishandling
  - False Alert – Mishandling – Installation
    - Exposed to sea action or ship's work, equipment struck beacon, **improperly placing beacon in bracket.**



# IHDB False Alert Reason

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- Beacon Mishandling
  - False Alert – Mishandling – Installation
  - False Alert – Mishandling – Testing/Maintenance
    - Failure to follow proper testing procedures
    - Repair by owner or service center causing activation.
    - Improper removal from bracket while testing, cleaning.
    - Beacon shipped while armed and activated.
    - Maintenance of craft, wash down, winterization, painting
    - Beacon stored improperly



# IHDB False Alert Reason

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- Beacon Mishandling
  - False Alert – Mishandling – Installation
  - False Alert – Mishandling – Testing
  - False Alert – Usage
    - Illegal activation: hoax, vandalism, theft
    - Accidental activation: reported, NFI
    - Demonstrated / test not co-ordinated.



# IHDB False Alert Reason

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- Beacon Mishandling
  - False Alert – Mishandling – Installation
  - False Alert – Mishandling – Testing
  - False Alert – Mishandling – Usage
  - False Alert – Mishandling – Disposal
    - Beacon discarded as trash, abandoned.



# IHDB False Alert Reason

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- Beacon Malfunction
  - False Alert – Malfunction – Switch
    - Switch broken



# IHDB False Alert Reason

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- Beacon Malfunction
  - False Alert – Malfunction – Switch
  - False Alert – Malfunction – Water Intrusion
    - Water leakage due to manufacturing defect, cracked casing, faulty seal.
    - **Not exterior of beacon getting wet.**



# IHDB False Alert Reason

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- Beacon Malfunction
  - False Alert – Malfunction – Switch
  - False Alert – Malfunction – Water Intrusion
  - False Alert – Malfunction – Test
    - Transmitted non-inverted frame (?)



# IHDB False Alert Reason

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- Beacon Malfunction
  - False Alert – Malfunction – Switch
  - False Alert – Malfunction – Water Intrusion
  - False Alert – Malfunction – Test
  - False Alert – Malfunction – Electronics
    - Electronics malfunction
    - Non-GPS electronics malfunction



# IHDB False Alert Reason

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- Mounting Failure
  - False Alert – Mounting – Bracket
    - Strap or bracket failure
    - Beacon fell out of bracket



# IHDB False Alert Reason

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- Mounting Failure
  - False Alert – Mounting – Bracket
  - False Alert – Mounting – Mounting Release
    - Hydrostatic release failure (?)



# IHDB False Alert Reason

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- Mounting Failure
  - False Alert – Mounting – Bracket
  - False Alert – Mounting – Mounting Release
  - False Alert – Mounting – Magnet
    - Switch magnet not effective or missing.



# IHDB False Alert Reason

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- Environment Conditions
  - False Alert – environmental Conditions
    - Extreme Weather conditions (?)
    - Hurricane / cyclone conditions, vsI knocked down, heavy seas, ice build-up. (?)

# False Alert - Environmental Conditions - NO



# False Alert - Environmental Conditions - YES

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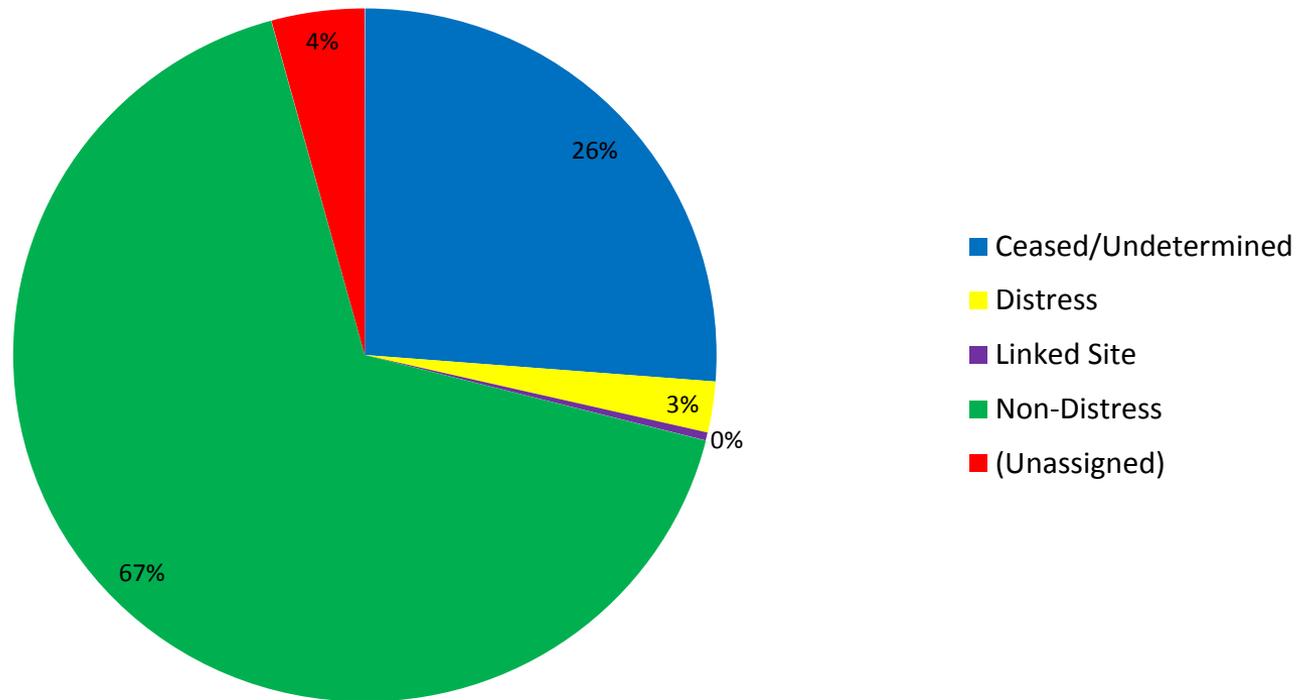
# IHDB False Alert Reason

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- Unknown
  - False Alert – Reason Unknown
    - Confirmed Beacon False Alert
    - No feedback on why activated
    - Investigation in to beacon activation cause was inconclusive.

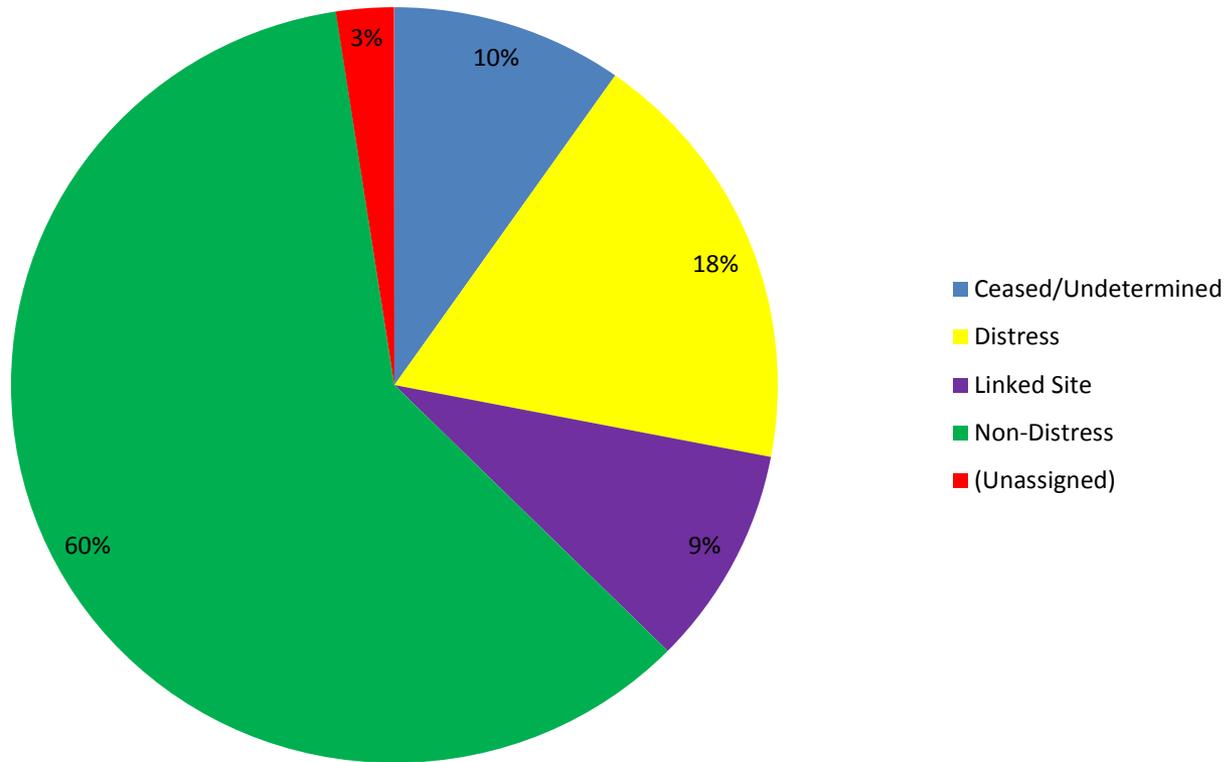


# AFRCC



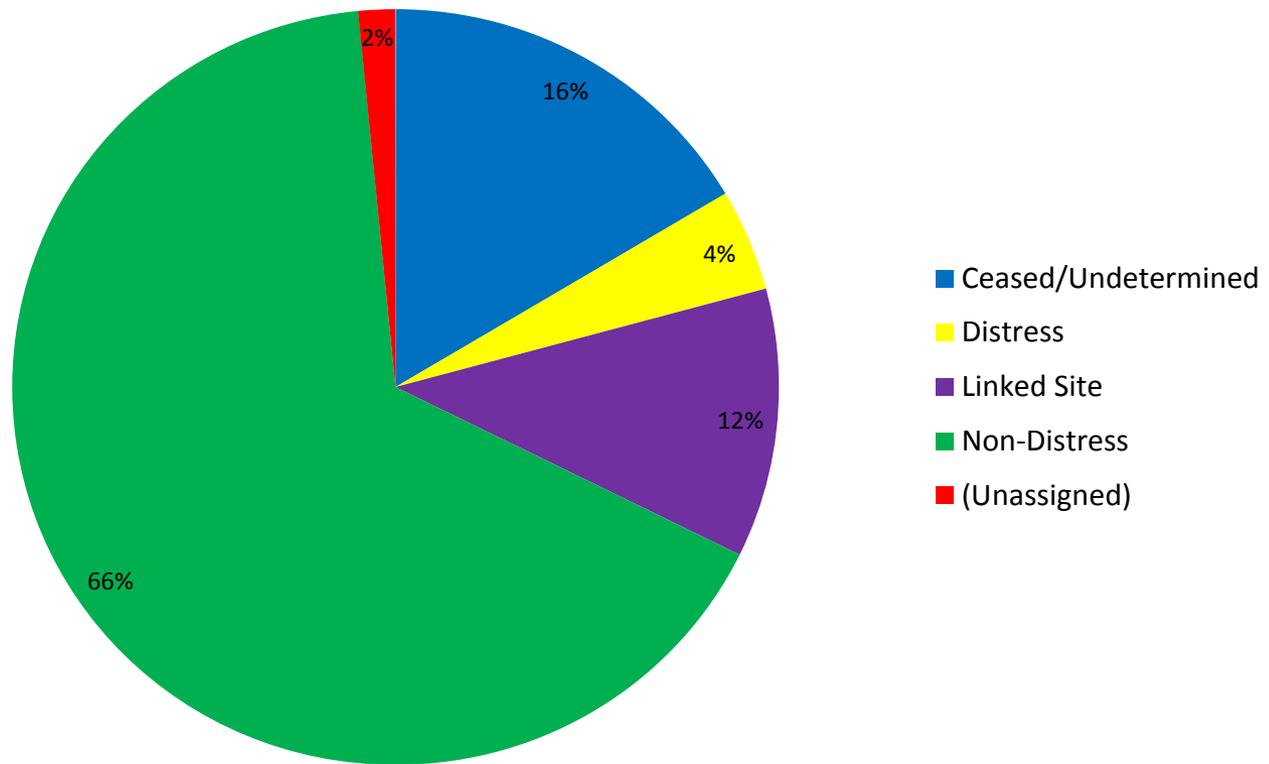


# AKRCC



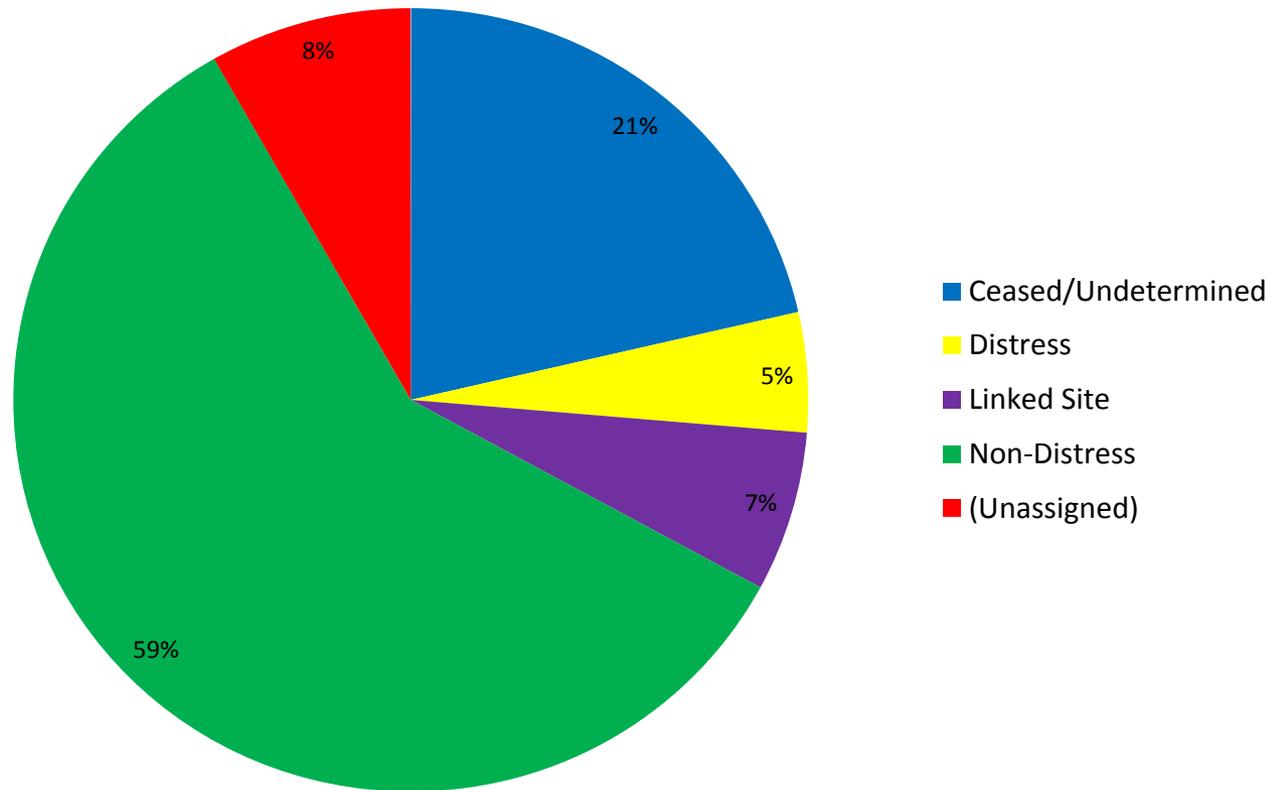


# CGD01



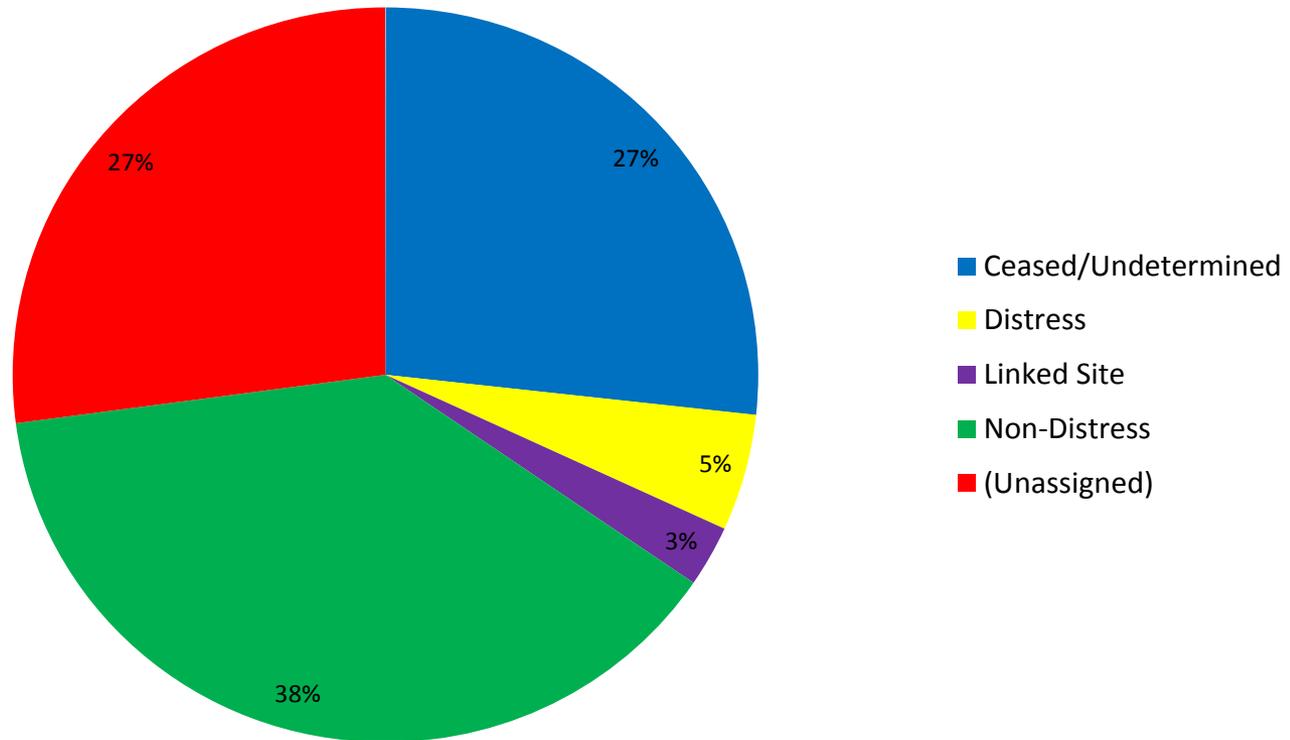


## CGD05



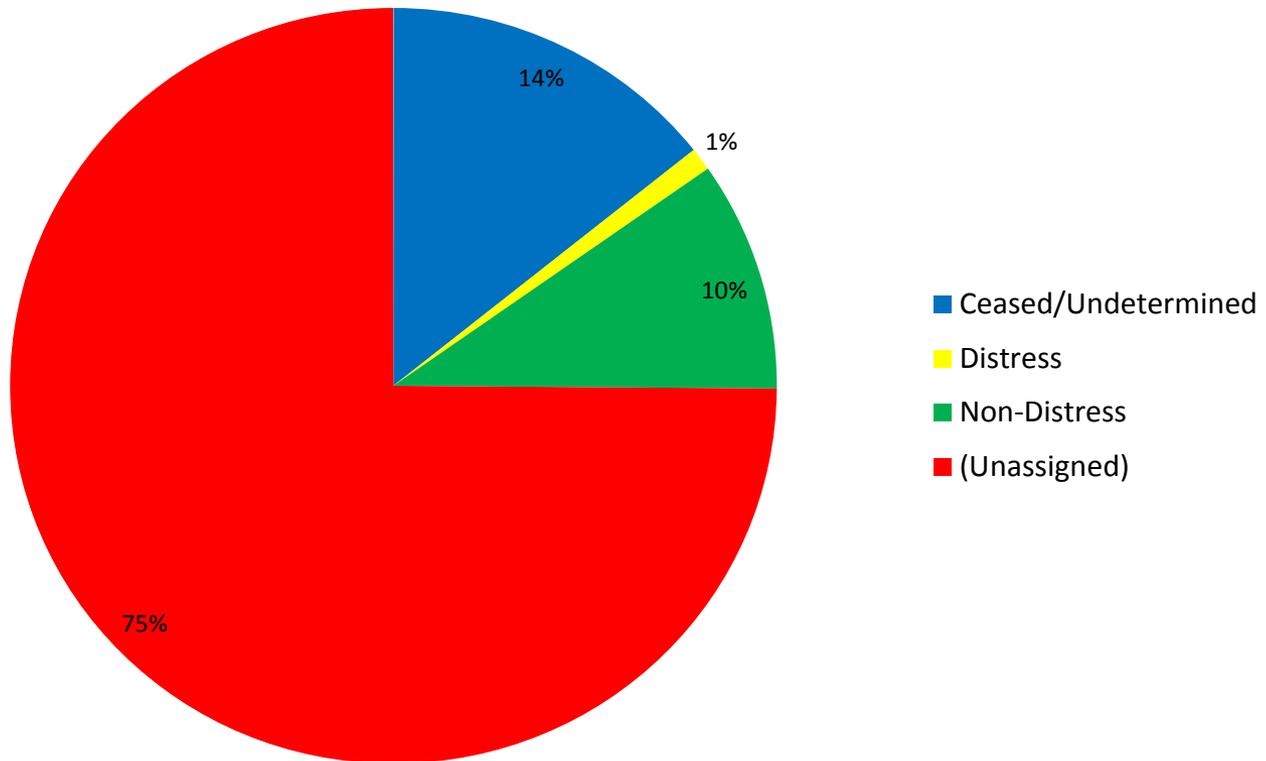


# CGD07



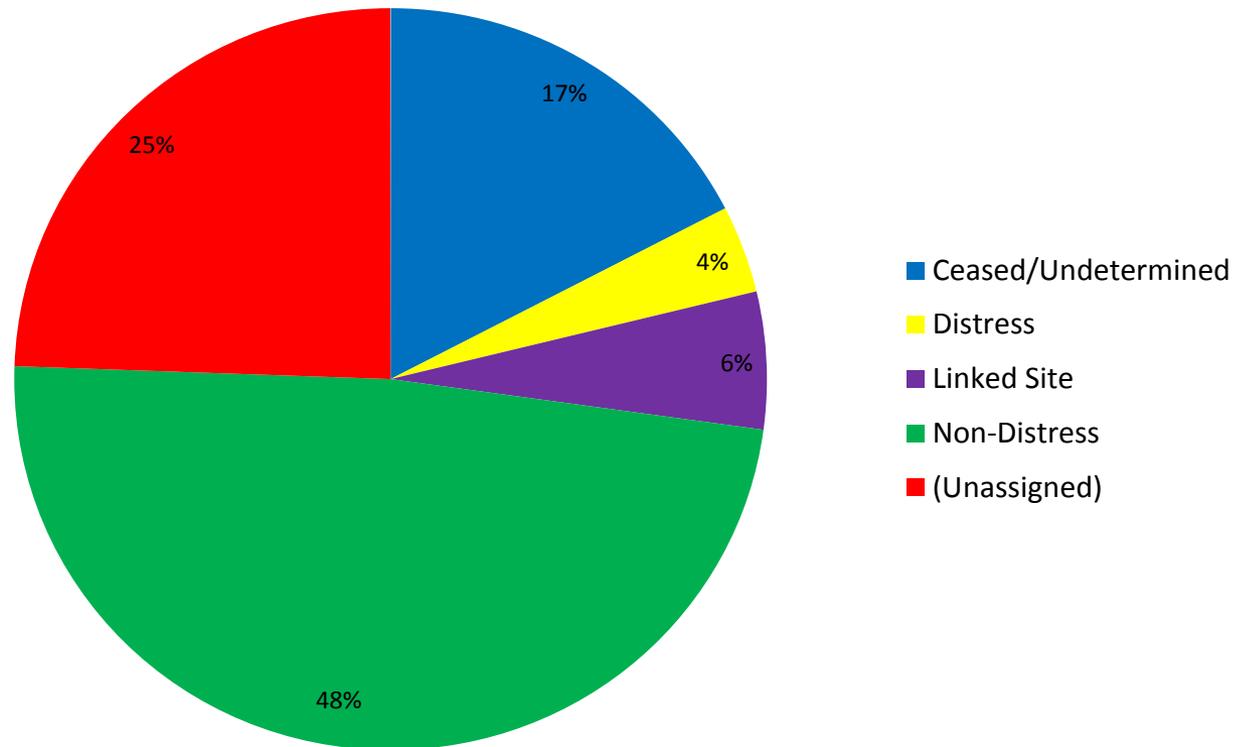


# SANJN



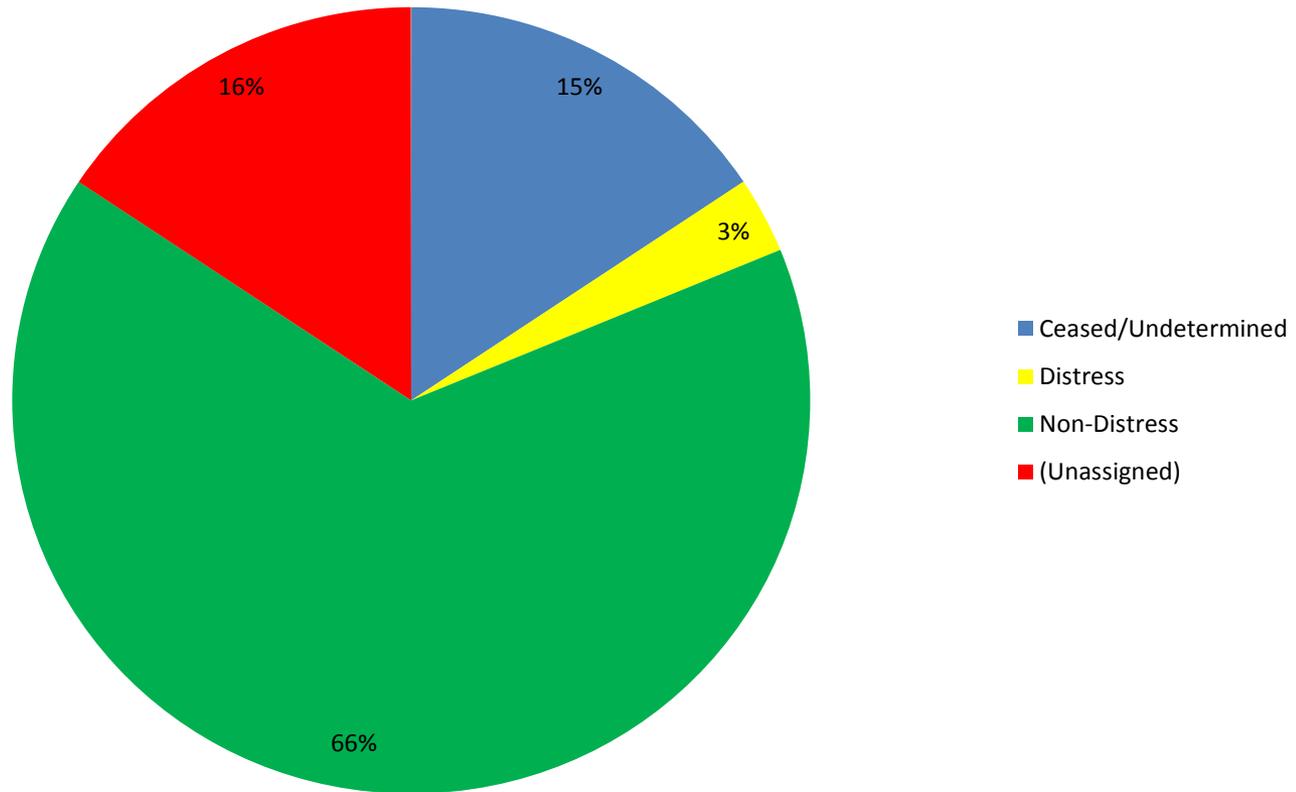


## CGD08



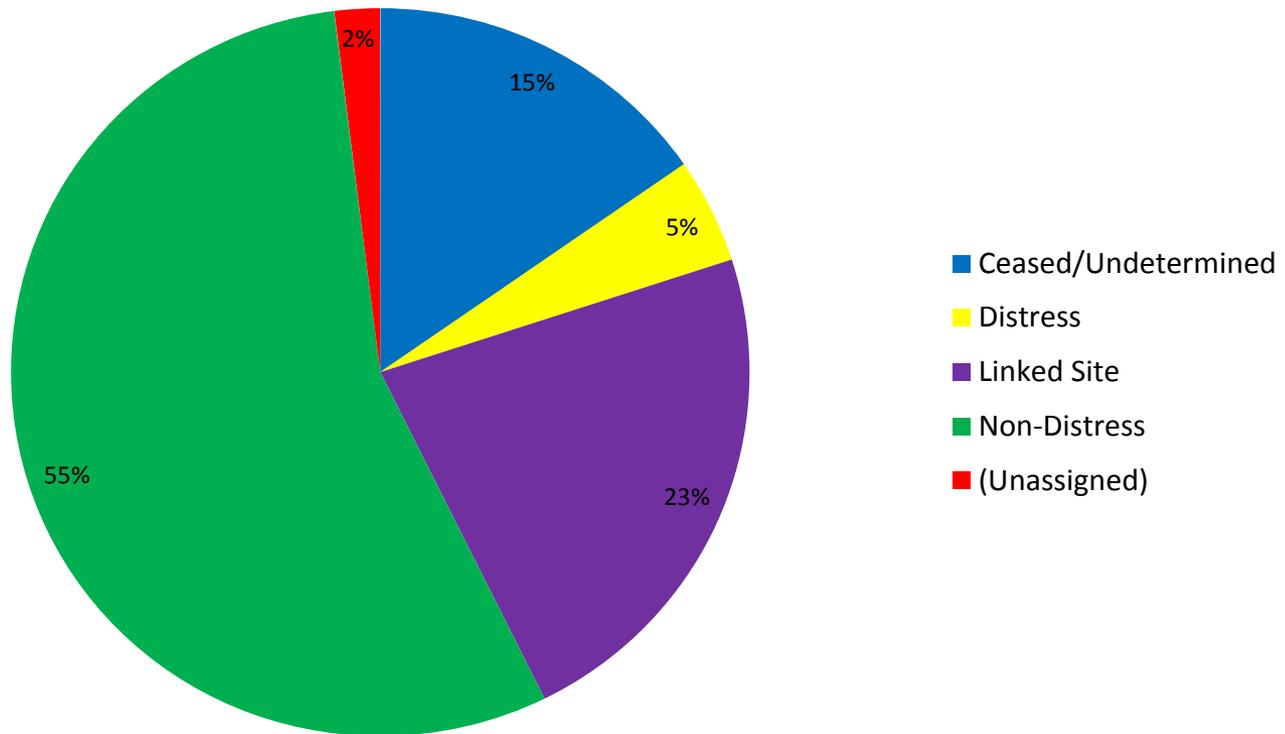


## CGD09



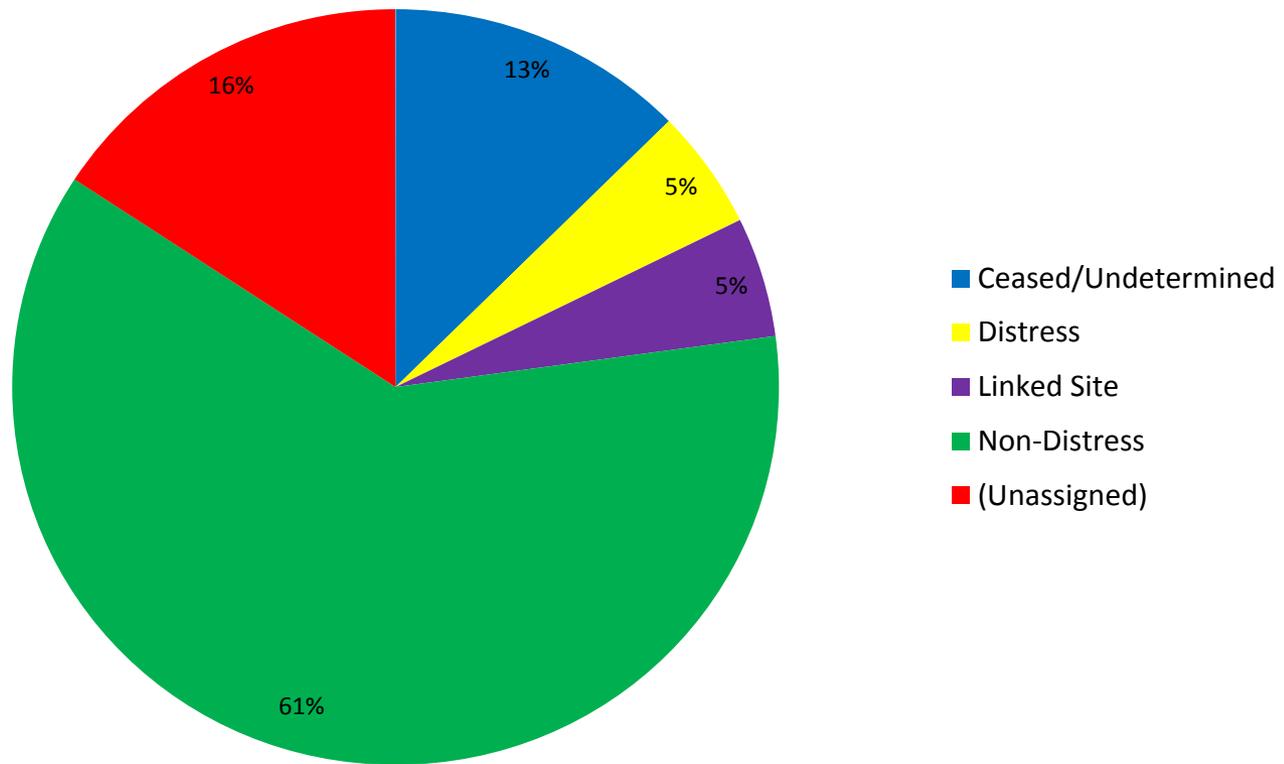


## CGD13



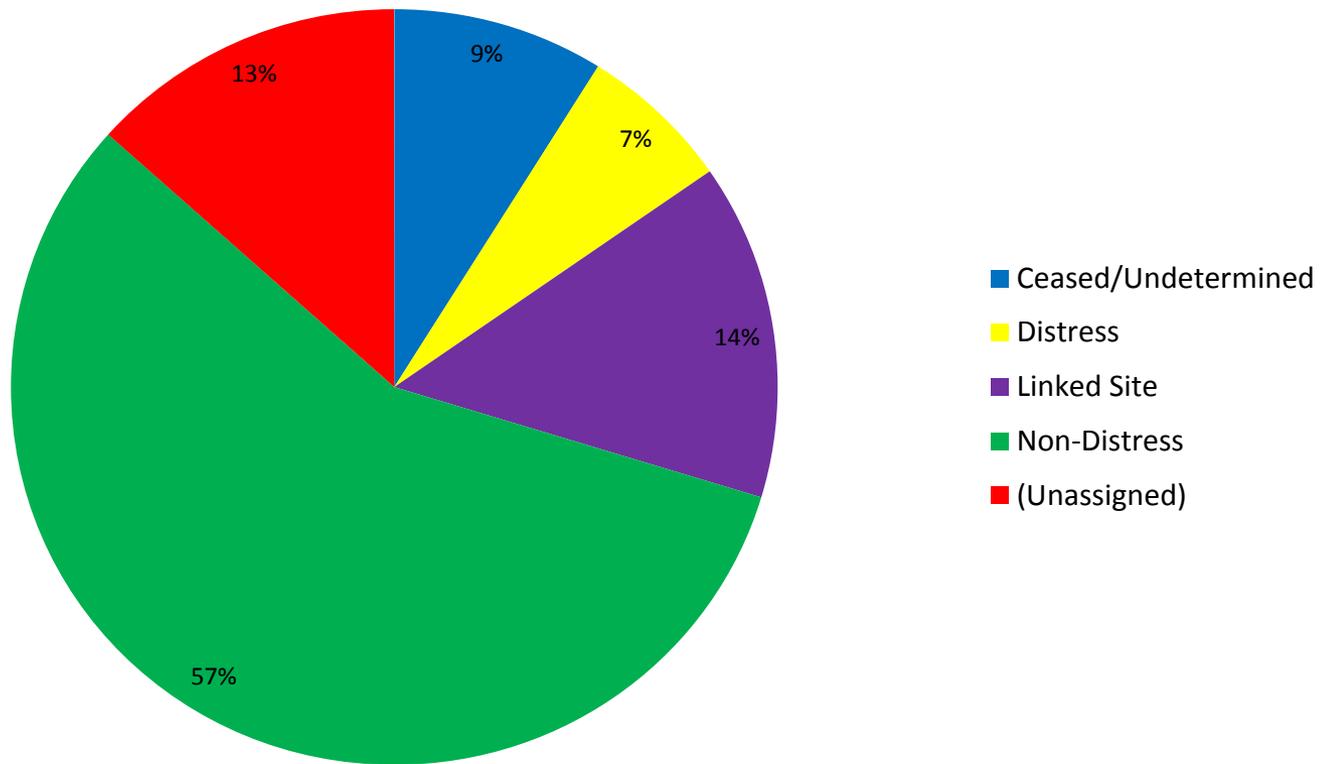


# CGD014



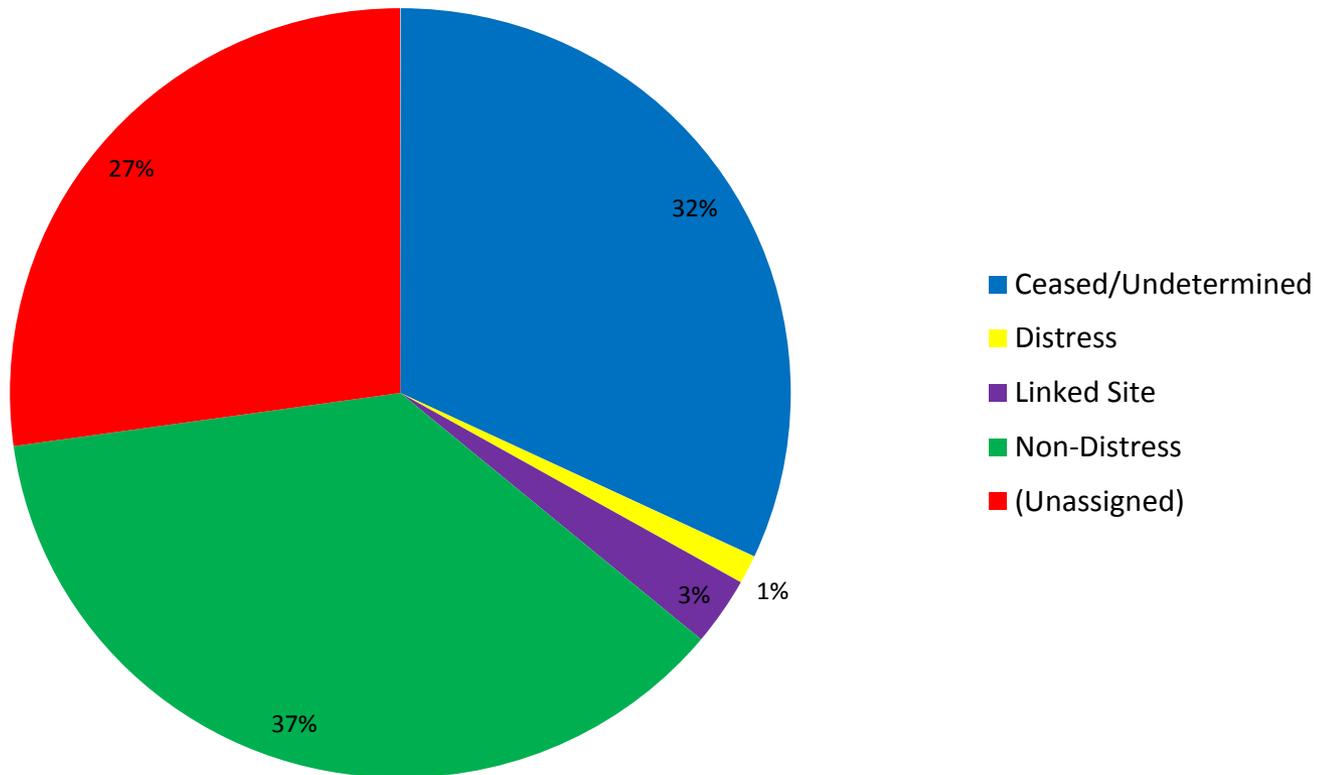


# CGD017



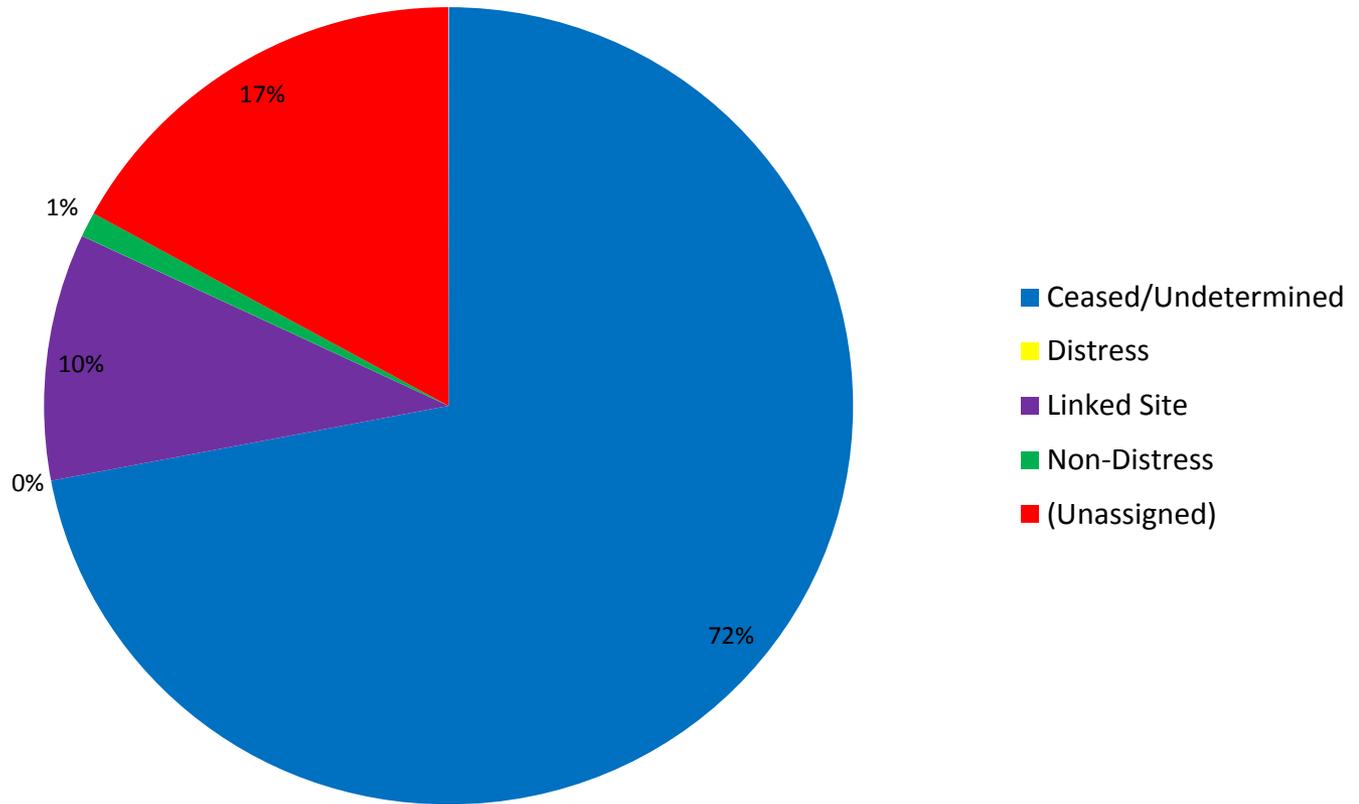


# PACAREA





# LANTAREA





# MARSEC

