



Defense Environmental Management Program

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(Installations & Environment)
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Today's Agenda

Acquisition, Technology and Logistics

- Importance of Quality Data
- Importance of Partnerships
- Where We Are Today
 - Budget
 - Cleanup Progress
- How Our Progress Informs the Future
- Future for the Military Munitions Response Program
- Future Trends



Importance of Quality Data

Acquisition, Technology and Logistics

- Good environmental data helps support
 - good decision making
 - defensible products
- At all levels
 - From the field
 - To the lab
 - To the leaders



Importance of Partnerships

Acquisition, Technology and Logistics

➤ Federal Partners

- Intergovernmental Data Quality Task Force (IDQTF)
- National Institute of Standards and Technology (NIST)
- Interstate Technology Resource Council (ITRC)
- Chemical & Material Risk Management Directorate
- Tri-Services Risk Assessment Workgroup

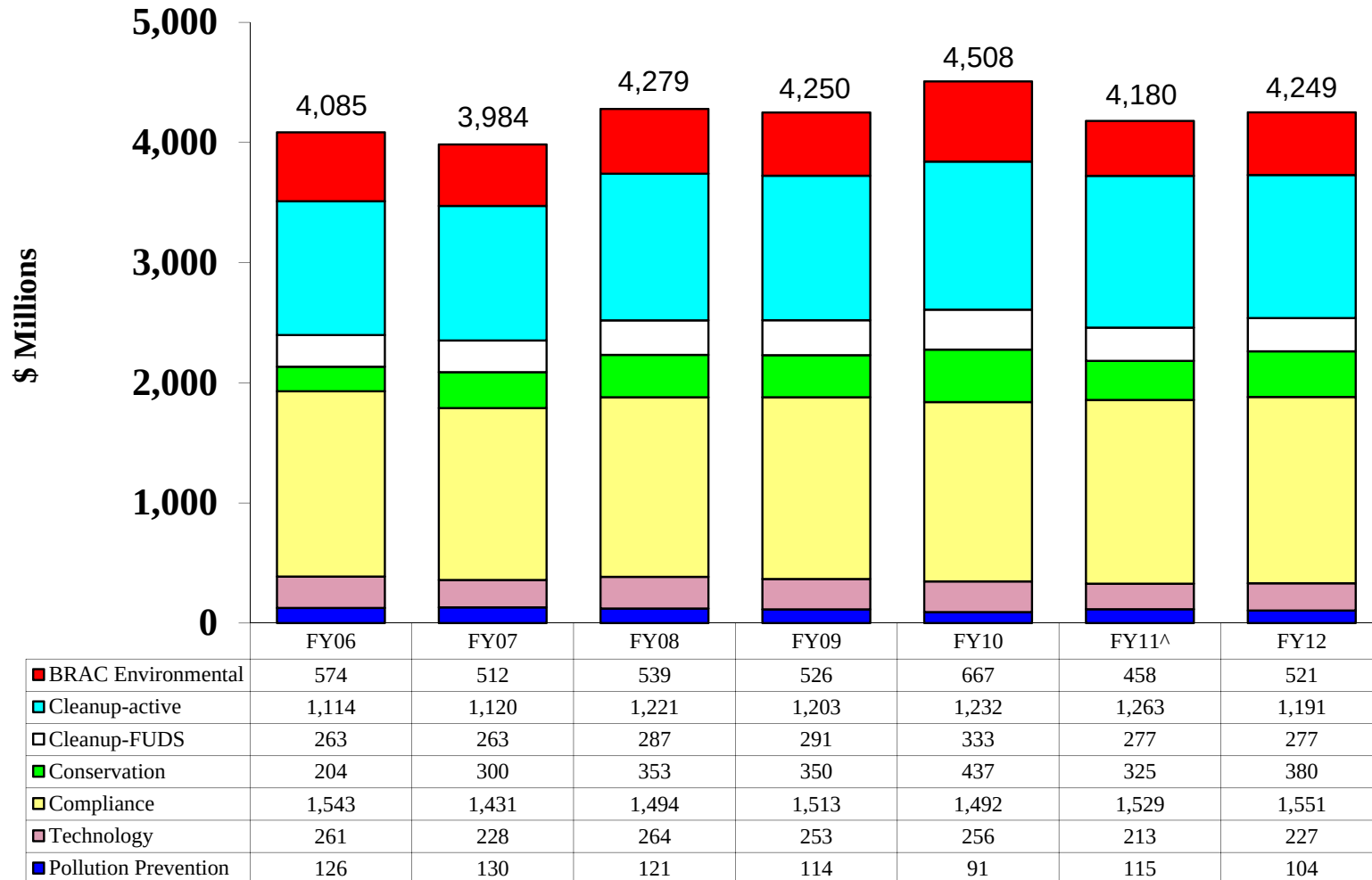
➤ Public/Private Partners

- The NELAC Institute (TNI)
- American Council of Independent Laboratories (ACIL)



Environmental Management Programs (\$ Millions)

Acquisition, Technology and Logistics

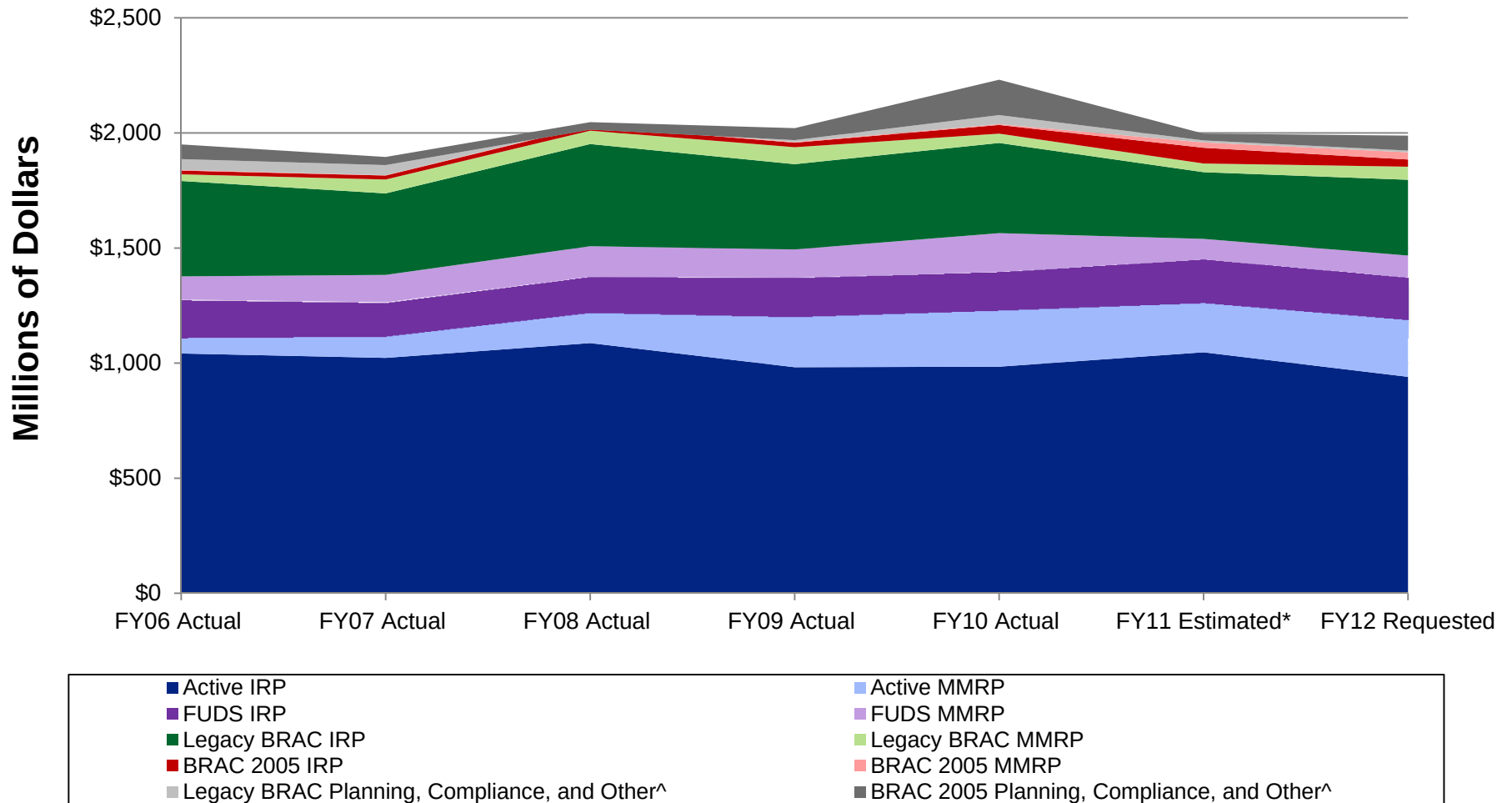


^ Reflects an adjustment to match the Annualized Continuing Resolution funding level by appropriation



Environmental Restoration Funding

DoD

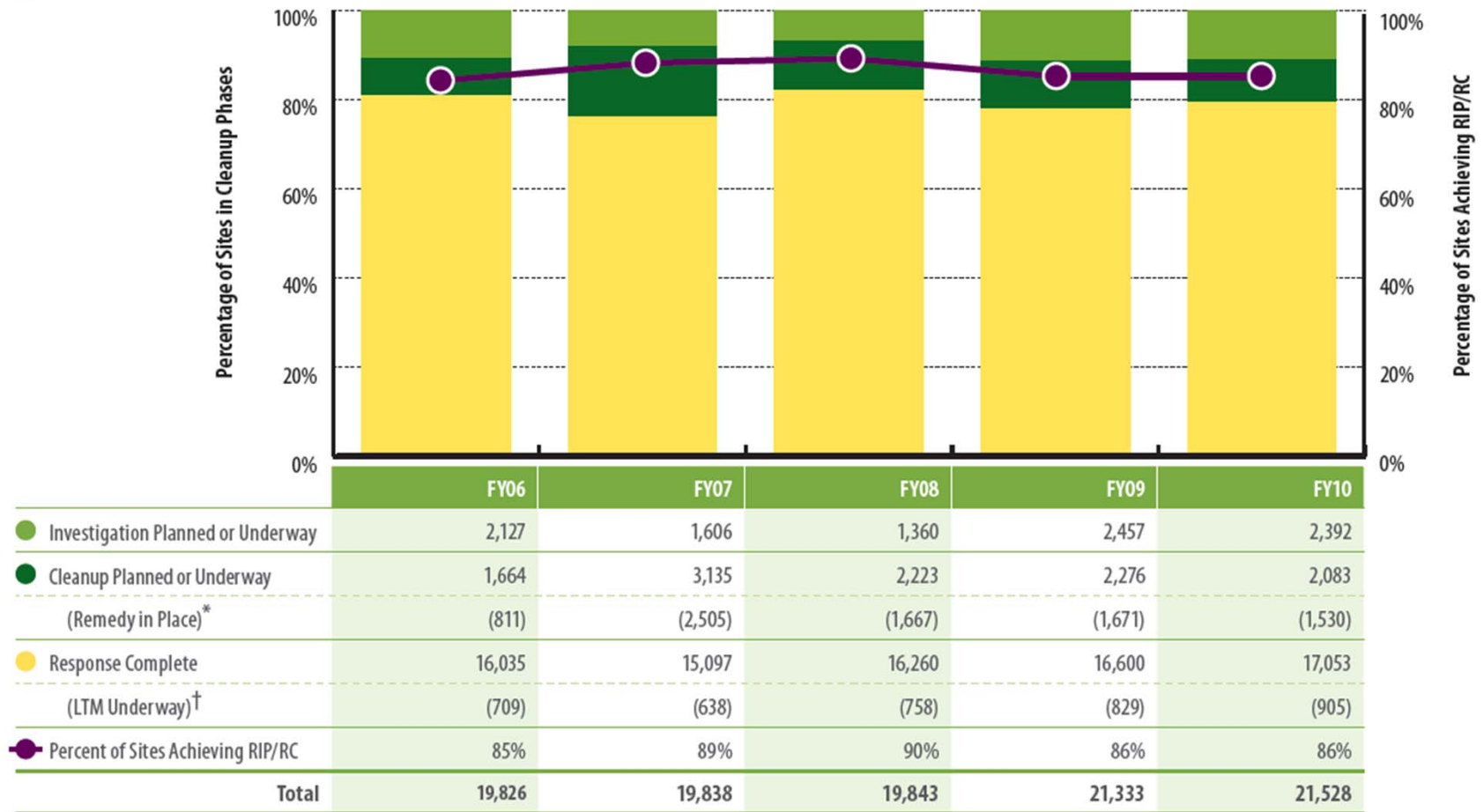


* Reflects an adjustment to match the Annualized Continuing Resolution funding level

^ Other may include revenue gained from land sales or execution of prior year funding



IRP Site Status at Active Installations

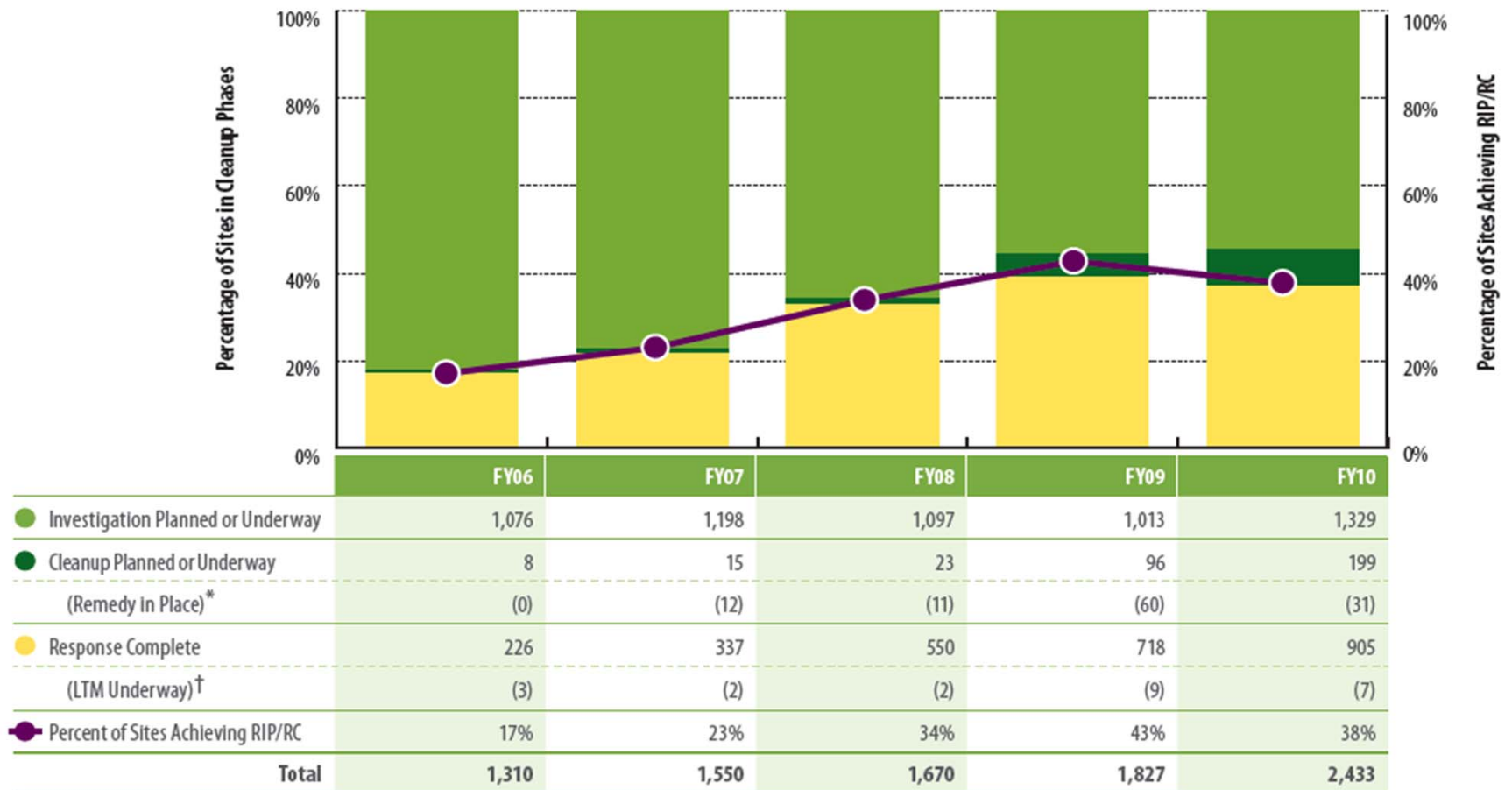


* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.



MMRP Site Status at Active Installations



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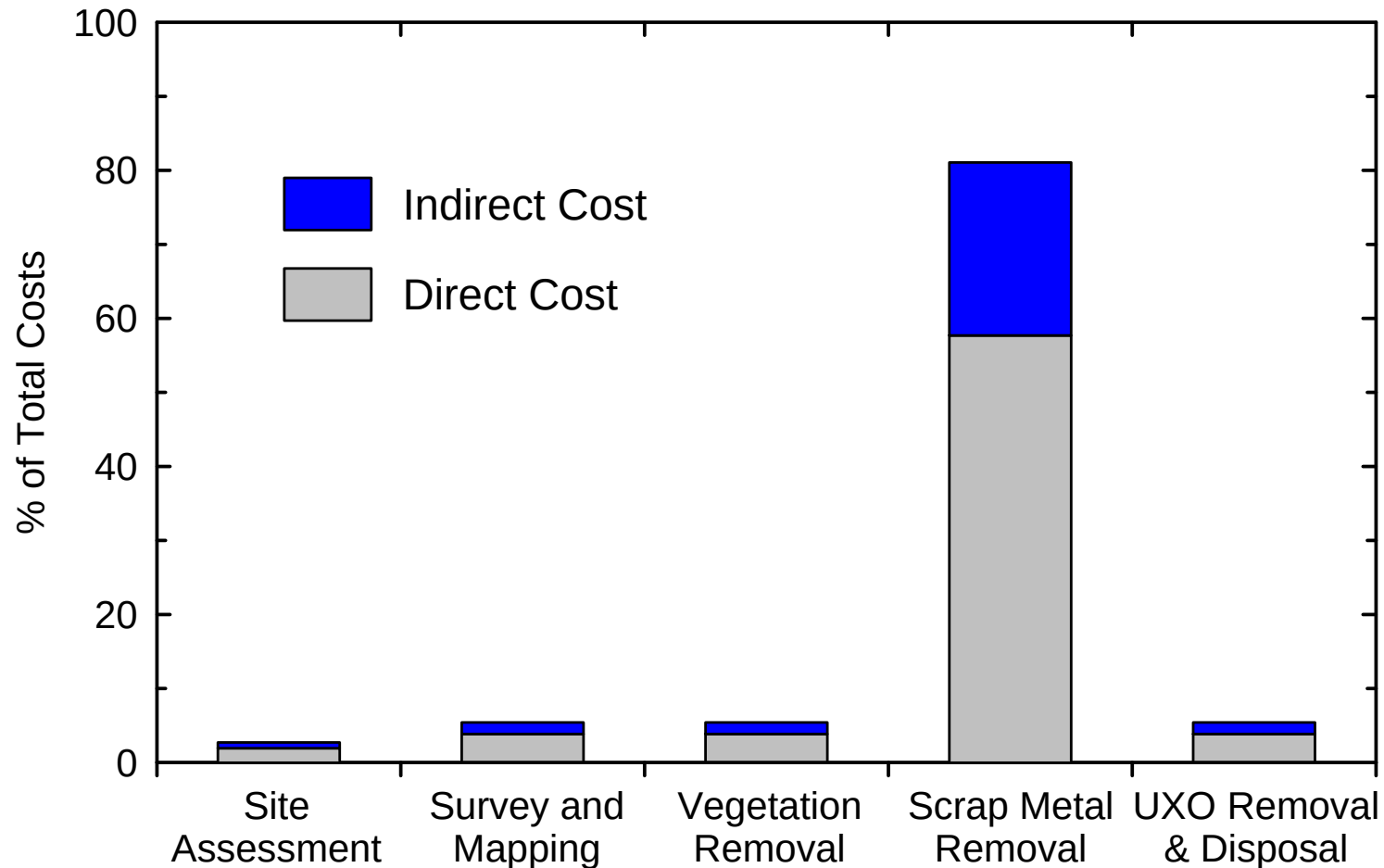
What's Next for Cleanup

- **What is after the Goal to have all of the Remedies in Place or Responses Complete by the end of Fiscal Year 2014?**
- **Focus on the latter phases of the cleanup program**
 - Achieving Response Complete (RC)?
 - What are our Long-term Management requirements?
 - What is Site Close Out? How do we get there?
- **The next generation of metrics will:**
 - Drive programming, planning, budgeting, and execution
 - Help the DoD Components defend their budgets

What are the data needs?



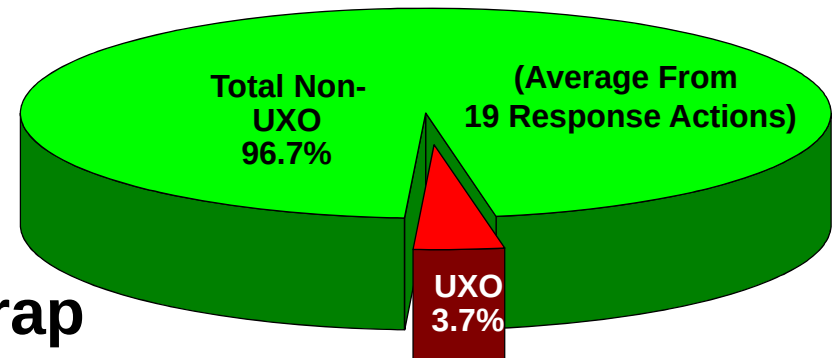
Defense Science Board UXO Clean-up Cost Break Out





Why Discriminate?

- Excavation of suspected UXO drives cost and time
- Less than 4% of excavations are UXO
 - Usually <1%
 - Ex. Camp Butner
 - 7 items out of > 100,000 digs
- Most items are harmless scrap
- Technology can now discriminate UXO from scrap
 - Result of a decade of R&D
 - Proof of concept demonstrated at three real live sites (FUDS)





Live Site UXO Discrimination Demonstrations

➤ **Goals:**

- Accelerate the pace of cleanup
- Reduce Risk
- Reduce Cost

➤ **Objectives:**

- Make sure the technology works -- different munitions, depths, and terrains
- Establish operational procedures and costs
- Train government and contractor community
- Gain regulatory acceptance



Demonstrations to Date

➤ **Completed**

- Former Camp Sibert, AL – simple site, single munitions type
- Former Camp San Luis Obispo, CA – more difficult, mix of munitions
- Former Camp Butner, NC – small munitions (37 mm)

➤ **Ongoing**

- Mare Island Naval Shipyard, CA – industrial site
- Pole Mountain, WY – case study in implementation
- Former Camp Beale, CA – trees, restricted access
- Site TBD

➤ **Planned – additional demonstrations in FY12, FY13, and FY14**



Live Site UXO Discrimination Demonstrations

What are we asking of the States?

- Participate as site team members – both technical and policy representatives
- Host training opportunities
- Assist in implementation of the demonstrated technologies at your sites
- Nominate demonstration sites
- Engage more states

What are our data needs?



DoD Laboratory Accreditation Program

Acquisition, Technology and Logistics

- Promote reciprocity;
- Promote fair and open competition;
- Streamline the procurement process for laboratory services; and
- Promote the collection of data of known and documented quality, suitable for their intended uses

Currently there are 75 accredited labs. List can be found at:
www.denix.osd.mil/edqw/Accreditation/index.cfm



Future Trends

Acquisition, Technology and Logistics

- The Technology Evolution:
 - New sampling methods
 - New testing methods
 - Need to keep QA/QC procedures current
- Are you staying current?



Questions?

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<https://www.denix.osd.mil/portal/page/portal/denix>



Backup/Information slide



Cleanup Progress -- FUDS

IRP Site Status

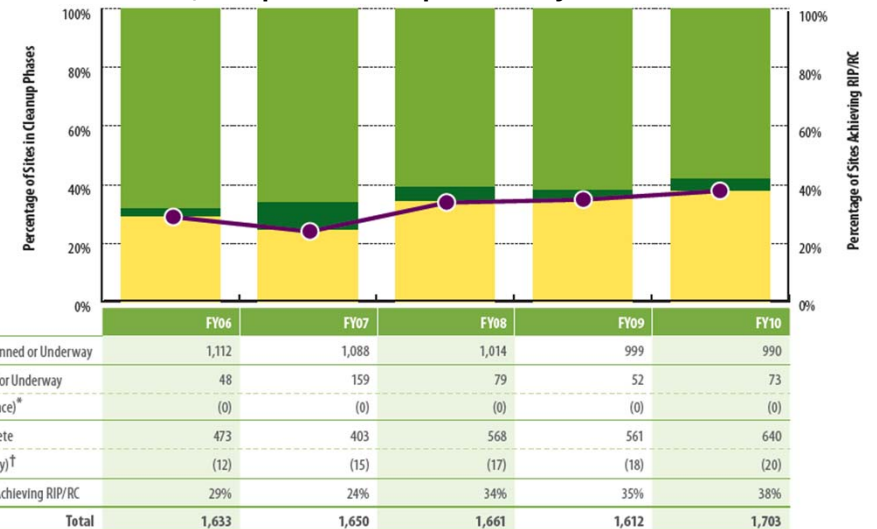
Goal: Achieve RIP/RC by the end of FY2020



* Remedy in Place is a subset of Cleanup Planned or Underway.
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MMRP Site Status

Goals: Complete preliminary assessments by the end of FY2007; complete site inspections by the end of FY2010



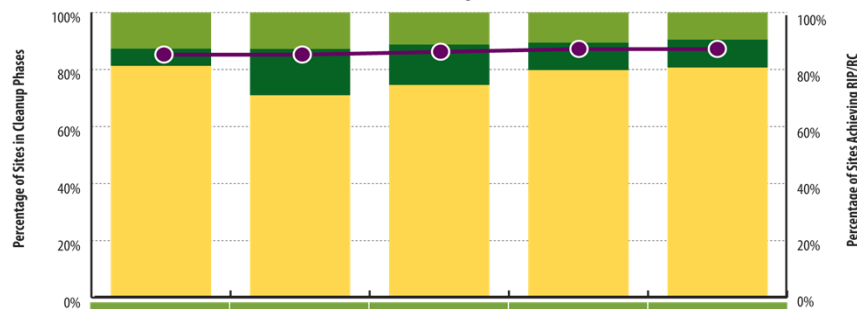
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Cleanup Progress – Legacy BRAC

IRP Site Status

Goal: Achieve RIP/RC by the end of FY2015



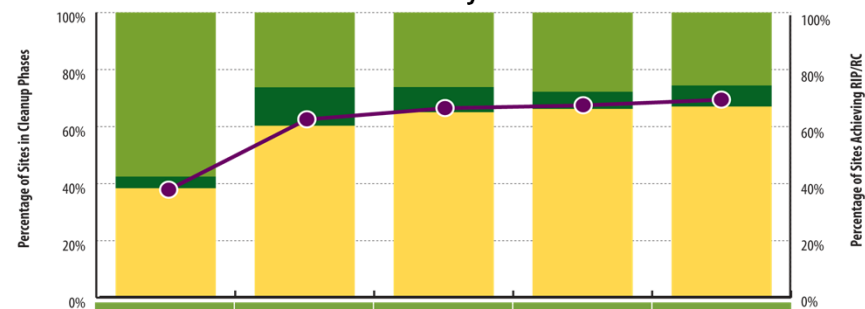
Investigation Planned or Underway	626	636	560	529	474
Cleanup Planned or Underway	295	806	704	478	484
(Remedy in Place)*	(218)	(730)	(623)	(386)	(360)
Response Complete	3,994	3,520	3,701	3,968	3,995
(LTM Underway)†	(362)	(368)	(399)	(388)	(374)
Percent of Sites Achieving RIP/RC	86%	86%	87%	88%	88%
Total	4,915	4,962	4,965	4,975	4,953

* Remedy in Place is a subset of Cleanup Planned or Underway.

† LTM is a subset of Response Complete.

MMRP Site Status

Goal: Achieve RIP/RC by the end of FY2009



Investigation Planned or Underway	183	74	74	79	73
Cleanup Planned or Underway	13	38	25	17	21
(Remedy in Place)*	(0)	(7)	(6)	(4)	(9)
Response Complete	122	170	184	188	191
(LTM Underway)†	(11)	(17)	(17)	(20)	(19)
Percent of Sites Achieving RIP/RC	38%	63%	67%	68%	70%
Total	318	282	283	284	285

* Remedy in Place is a subset of Cleanup Planned or Underway.

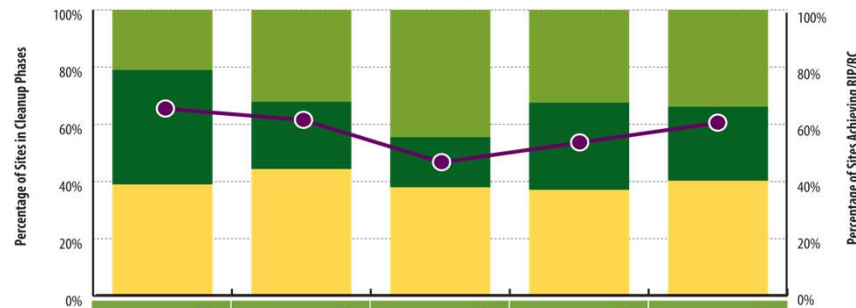
† LTM is a subset of Response Complete.



Cleanup Progress – BRAC 2005

IRP Site Status

Goal: Achieve RIP/RC by the end of FY2014

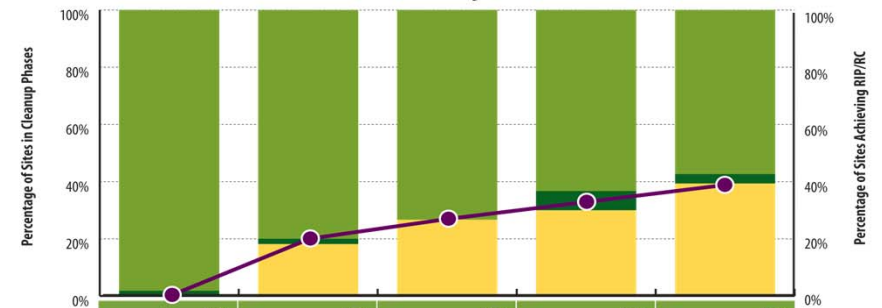


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MMRP Site Status

Goal: Achieve RIP/RC by the end of FY2017



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† LTM is a subset of Response Complete.