

(b)(1)1.4c

(U) NRO Imagery Supports

(U) National Incident Response in the Gulf of Mexico

BY (b)(3) 10 U.S.C. 424, (b)(6) MOD

(b)(1)1.4c THE NATIONAL RECONNAISSANCE OFFICE (NRO) SUPPORTED THE NATIONAL GEOSPATIAL INTELLIGENCE AGENCY (NGA)

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 create daily mosaics of the oil's migration in the Gulf.

(b)(1)1.4c, (b)(3) 10 U.S.C. 424 respond to the oil spill in the Gulf of Mexico following the April 20, 2010 sinking of the Deepwater Horizon oil rig. The spill initially collected in the northern portions of the Gulf, east of the Mississippi delta. Over time, however, the oil moved in several directions. NRO played a key role in

(U) The collaborative relationship among agencies like NRO

(b)(1)1.4c, (b)(1)1.4e, (b)(1)1.4g, (b)(3) 10 U.S.C. 424
(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424
(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424
(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 resulting in a more effective multi-agency approach than would be possible without such cooperation.

and the Coast Guard helps to optimize available resources, accurate

(b)(1)1.4c The NRO provided (b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 as of August 8. The

track the extent of the damage, and to focus relief efforts where they are needed most.

(b)(1)1.4c, (b)(1)1.4e, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 using unclassified or commercially available sources alone.

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c The NGA is using several (b)(1)1.4c, (b)(1)1.4e, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 The NRO, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4e, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 also processed

(b)(1)1.4c, (b)(1)1.4e, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

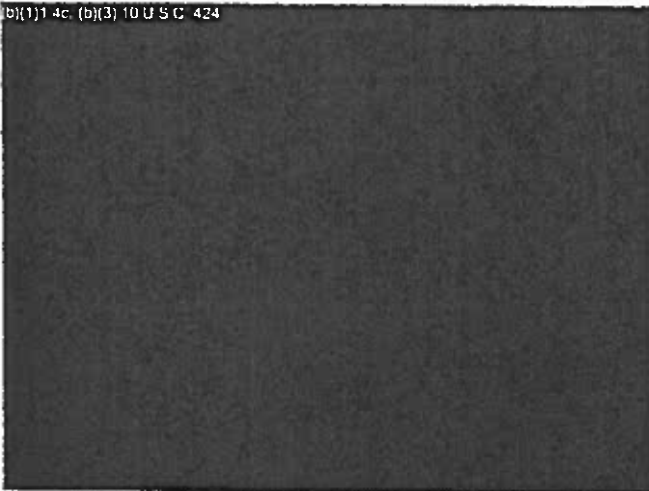
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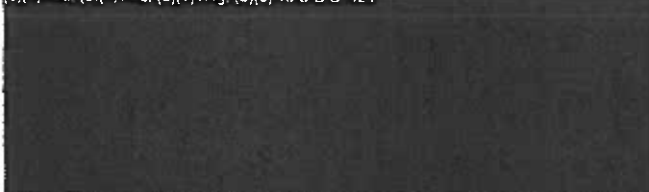
(Photo is UNCLASSIFIED.)

(b)(1)1.4c, (b)(3) 10 U.S.C. 424



Above: (U) (b)(3) 10 U.S.C. 424
Below: (b)(3) 10 U.S.C. 424, (b)(6) NIC Strategic Information Manager, uses the TAP Table to brief presidential advisor Valerie Jarrett and NIC commander ADM Thad Allen (Ret.) on Jul 26.

(b)(1)1.4c, (b)(1)1.4e, (b)(1)1.4g, (b)(3) 10 U.S.C. 424



(b)(1)1.4c, (b)(1)1.4e, (b)(1)1.4g, (b)(3) 10 U.S.C. 424



(b)(1)1.4c, (b)(1)1.4e, (b)(1)1.4g, (b)(3) 10 U.S.C. 424



(b)(1)1.4c Imagery analysts exploiting NRO collection noted that (b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 between

the initial oilrig explosion (b)(1)1.4c, (b)(3) 10 U.S.C. 424 NRO imagery taken on

(b)(1)1.4c, (b)(3) 10 U.S.C. 424 the Louisiana Delta National Wildlife Refuge (b)(1)1.4c, (b)(3) 10 U.S.C. 424

northwest of the sunken Deepwater Horizon. Additional imagery collected (b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 analysts saw (b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

in imagery of the Atchafalaya Bay Coastal Habitats. Analysts further detected (b)(1)1.4c, (b)(3) 10 U.S.C. 424

of Lake Barrer, Louisiana, indicating the possibility (b)(1)1.4c, (b)(3) 10 U.S.C. 424 in the Imagery taken (b)(1)1.4c, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 the touch-activated TAP tables to help generate a common

operational picture. (b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 This tool provided Coast Guard leadership with data on (b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10 U.S.C. 424 Since

its installation, the Coast Guard has requested four additional installations at the United Area Command in New Orleans,

the Incident Command Post in Houma, LA, the Incident Command Post in Mobile, AL and a future Incident Command

Post in Miami, FL. The NRO is currently working with the Coast Guard to identify other areas of support.

(b)(1)1.4c NRO products and services enhance the capabilities of organizations responding to environmental disasters. (b)(1)1.4c, (b)(3) 10 U.S.C. 424

(b)(1)1.4c, (b)(3) 10 U.S.C. 424 The collaborative relationship among agencies like NRO (b)(3) 10 U.S.C. 424 and the Coast

Guard helps to optimize available resources, accurately track the extent of the damage, and to focus relief efforts where they are

needed most. (b)(1)1.4c

(U) (b)(3) 10 U.S.C. 424, (b)(6) support the Mission Operations Directorate (MOD). Dr. Gerald Arp, NGA, provided examples of intelligence products.

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