NRO APPROVED FOR RELEASE 16 DECEMBER 2013 (b)(1)1.4c, (b)(3) 10 U.S.C. 424, (b)(3) 10 U.S.C. 455 (b)(1)1.4c, (b)(3) 10 U.S.C. 424, (b)(3) 10 U.S.C. 455 makers and responders a recovery efforts. (U) (b)(3) 10 U.S.C. 424 (b)(3) 10 U.S.C. 424 (U) First Response (b)(1)1.4c b)(1)1.4c b)(1)1 4c, , (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

imagery gave decision common view of the disasters.

(U) WE'VE ALL SEEN IMAGES OF THE DEVASTATION AND HUMAN HEARTACHE WROUGHT BY HURRICANES KATRINA AND RITA, but perhaps few people realize that the NRO, in collaboration with its mission partners, provided valuable support to

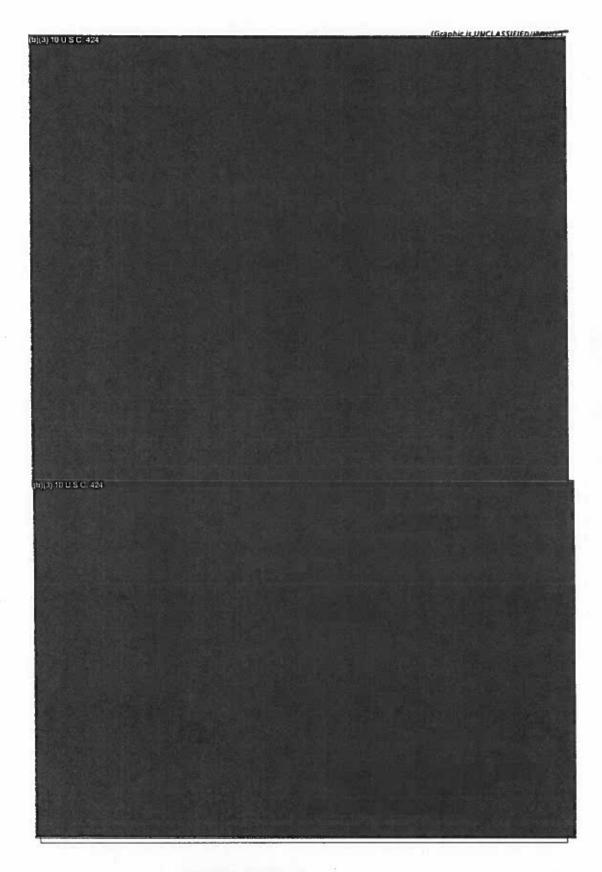
(Photo is UNCLASSIFIED.)

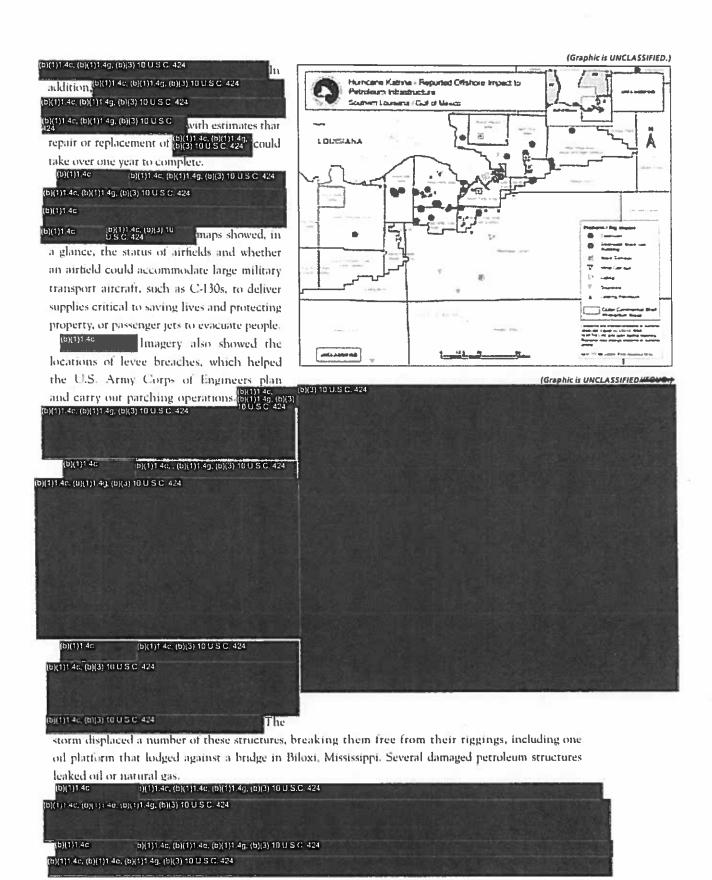
(U) Aerial image of damage from Hurricane Katrina. Photo courtesy of National Oceanic and Atmospheric Administration.

<sup>1(</sup>U) Collection is in compliance with law (Executive Order 12333). Legal authorization to collect domestic imagery for this purpose has been obtained.

	(Graphic is UNCLASSIFIED MEANS)
(b)(1)1.4c When disaster strikes,(b)(1)1.4c, (b)(3) to 0.5 c	(b)(3) 10 U S C. 424
information gives FEMA and other first responders	
a quick "big picture" perspective necessary to	
determine what areas are in most urgent need for	
rescue and relief—sort of a disaster triage—and	
the type of response needed. The information also	
guides transportation and logistics decisions, by	,
determining the accessibility of key roads, rail lines,	
bridges, ports, and airports.	
is a	
key to the provision of unclassified damage assessment	
maps and Web site postings for first responders.	
These products guide response efforts by showing the	
severity, type, and location of damage. For instance,	
areas in Gulf Port, Mississippi, suffered extensive	
storm surge and wind destruction, whereas large parts	(Graphic is UNCLASSIFIED.)
of the city of New Orleans suffered flooding due to	(b)(3) 10 U.S.C. 424, (b)(3) 10 U.S.C. 455
levee breaches. These situations called for different	
rypes of response. (b)(1)1.4c (b)(1)1.4c (b)(1)1.4g, (b)(3).10.0.5 C (b)(1)1.4c (b)(1)1.4c (b)(1)1.4c (b)(1)1.4g (b)(1)1.4g (b)(1)1.4g (b)(1)1.4g (b)(1)1.4g (b)(3).10.0.5 C 424	
(o)(1)1.46, (o)(1)1.46, (o)(1)1.4g., (o)(a) 10.0.5 C 424	
(b)(1)1.4c b)(1)1.4c, (b)(3) 10 U.S.C. 424	
(p)(1)1.4c, (p)(3) 10 U S.C. 424	
[6] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	
(U') (b)(3) 10 U S C 424	
(M3) 10 U S C 434	
Commercial imagery	
has the advantage of giving a broad area view, for instance showing the wide extent of flooding	
(b)(3) 10 11 5 C 424	
disseminated to a broad responder audience,	(U) NGA graphics showing flooding from Hurricane Katrina.
enabling military and civil agencies to determine	10) NON graphics showing hobbing from Harricane Katima.
effective courses of action over widespread areas- (b)(1)1.4c. (b)(1)1.4e. (b)(1)1.4g. (b)(3) 10 U S G 424	CONTROL OF A STREET WAS ASSESSED.
(b)(1)1 4e, (b)(1)1 4e, (b)(1)1.4g, (b)(3) 10 U S C. 424	
(U) Infrastructure Damage Assessme	nt
b)(1)1 4c   b)(1)1 4c, (b)(3) 10 U.S.C. 424	
[b](111.4c; (b)(3) 10 U S C 424	
(b)(1)1.4c, (b)(3) 10 U.S.C. 424 (b)(1)1.4c	
(b)(1)1.4c	
or example, imagery showed that the Intersta	te 10 Bridge crossing Lake Ponchartrain—one of the
primary bridges in and out of the northeastern qua-	rter of New Orleans—was impassible(b)(1)1.4c, (b)(1)1.4g, (b)(3) 10
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(b)(1)†.4c





(b)(1)1.4c

b)(1)1.4c, (b)(3) 10 U S C. 424 (b)(1)1.4c, (b)(3) 10 U S C. 424 determine airfield status and availability for recovery operations. (b)(1)1.4c, (b)(1)1.4e, (b)(1)1.4g, (b)(3) 10 U S C. 424 (U) Environmental Impact b)(1)1 4c, (b)(1)1.4g, (b)(3) 10 U S C 424 յլ (չ է Գե. (այլ է) է Գց. (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 4c (b)(1)1 4g, (b)(3) 10 U S C 424 (b)(1)1 4c, (b)(1)1.4c, (b)(1)1 4g, (b)(3) 10 U S C, 424 helped environmental scientists assess the hurricanes' effect on hazmat sites and (Graphic is UNCLASSIFIED.) stemming from hurricane damage or flooding 10 U 3 C 424 (b)(1)1 4c, (b)(1)1.4g, (b)(3) 16 U S C, 424 (b)(1)1.4c 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 flooding of such plants not only cut off the availability of fresh water, but also contributed to environmental health hazards. (U) Other NRO Support

(b)(1)1.4c The Operational Support Office (OSO) of NRO's Directorate for Military Support deployed (b)(3) 10 U S C communications equipment and operators to Stennis Space Center, Mississippi, for (B)(1)1.4c, (b)(3) 10 U S C, 424 (b)(3) 10 U S C, 424 (b)(3) 10 U S C, 424 (b)(1)1.4c, (b)(3) 10 U S C, 424

b)(3) 10 U.S.C. 424 For more information on OSO's Buzz Lite support to NAVO, see article on page 14.

(b)(1)1.4c