Hurricane Katrina – Quick Data Resource Guide – Free/Public & Commercial/Fee-based

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Contents:

Vendor-based Imagery

Company Name	Contact(s)	Before Katrina Data	After Kartrina Data	Status/Description	Cost
GlobeXplorer LLC	Paul Smith 925-280-5288 psmith@globexplorer.com	Yes	Yes	http://www.globexplorer.com/disasterimages/index.shtml Contains some post hurricane data. (New Orlean and more) What for more updates to the GlobeXplorer dataset.	Fee based webserver
ORBIMAGE INC.	David Yates703-480-7500 yates.david@orbimage.com Federal Accounts: Bob Lase 703-755-5530 Jeff Bush 703-755-5159	Yes	Yes	Downtown New Orleans before and after shots. Fee based images. 1 meter panchromatic satellite imagery	Fee based
Space Imaging	Katie Cook 303-254-2000 1-800-232-9037	Yes	Yes	Before imagery and some after imagery (Mobile Alabama)	Fee Based
3001, Inc.	Florida Jeremy Conner 352.379.3001 Alabama: Tim Summey 251.454.6166 Louisiana and Mississippi: Jay Arnold 337.313.4023	Yes	coming	3001, Inc will have post hurricane high resolution data available in the next week days. Link	
DIGITALGLOBE	Becky Dunkin 303-684-4056 bdunkin@digitalglobe.com	Yes	Yes	High resolution satellite data available through GlobeXplorer and ArcWeb Services	Fee Based Web Service
I-Cubed	Russell Cowart rcowart@i3.com 970-482-4400	Yes	Yes	Colorized DOQQs and, DEMs, Aerial Photography more.	Fee based

AIRPHOTOUSA LLC	Jon Kendall jon.kendall@airphotousa.com	Yes	No	High Resolution aerial photography before disaster (no post hurricane data)	Fee based

Infrastructure Data Oil Well/Pipeline/Telcom

Organization Name	Contact(s)	Before	After	Status/Description	Cost
IHS Engery	Steve Taylor 713-369-2572 www.ihsenergy.com	Yes	No	Oil Well/Pipeline infrastructure data	Fee based
Whitestar	Mike Schiewe 303-781-5182 mschiewe@whitestar.com www.whitestar.com	Yes	No	Oil Well/Pipeline infrastructure data	Fee based
P2ES Tobin	Andy Longoria 210-402-5065 andy.longoria@tobin.com www.tobin.com	Yes	No	Oil Well/Pipeline infrastructure data	Fee based
PennWell Mapsearch	Ted Miranda 713-963-6200 tmiranda@pennwell.com www.mapsearch.com	Yes	No	Oil Well/Pipeline infrastructure data	Fee based
FCC cell tower web site	www.wireless.fcc.gov	N/A	N/A	FCC cell tower web site http://wireless.fcc.gov/uls/downloads.html	Free
Mineral Management Service – Gulf of Mexico Region	www.gomr.mms.gov			Evacuation and shutoff information http://www.mms.gov/ooc/press/2005/press0826.htm	
Intermap	Matt Cross 303 708 0955 mcross@intermap.com			https://istore.intermap.com/Aquarius.Web.Portal_Public/DesktopDefault.aspx?tabindex=1&tabid=36	Fee

Publicly Available Data

Organization Name	Contact(s)	Before Katrina Data	After Kartrina Data	Status/Description	Cost
Atlas: The Louisiana Statewide GIS	http://atlas.lsu.edu/	Yes	No	Huge repository of Louisiana data. DOQQs, DEMs, DRG, Topographic. 1:24,000 Scanned Topos and DEM, 1:100,000 Topographic maps, DOQQ images, 5 foot Lidar data.	Free
MARIS: Mississippi Area Resource Information	http://www.maris.state.ms.us/index.html	Yes	No	Repository of Mississippi data. DOQQs, DEMs, DRG, Topographic Maps, Aerial Photography (2003) 1:24,000 Scanned Topos and DEM,	Free

		Yes	No	Satellite data for the Hurricane effected areas (Landsat, SRTM, MODIS)	Free
System					
Global Land Cover Facility, Univ. or Maryland	http://glcf.umiacs.umd.edu/ data/katrinahurrican/	Yes	No	Satellite data for the Hurricane effected areas (Landsat, SRTM, MODIS)	Free
NOAA	www.noaa.gov	Yes	Yes	Weather data and some non-georeferenced aerial photography of the affected areas. http://ngs.woc.noaa.gov/katrina/ http://www.csc.noaa.gov/shoreline/data_central.html http://www.stormtracker.noaa.gov/stormtracker-katrina.htm http://www.nnvl.noaa.gov/cgi-bin/index.cgi?page=products&category=Year%202005%20Storm%20Events&event=Hurricane%20Katrina http://www.noaanews.noaa.gov/stories2005/s2495.htm	Free

Basemap and Street Data Products

Product	Cost	Description
ESRI Data & Maps	Comes bundled with ArcGIS	ESRI Data & Maps Includes: o Basemap and thematic MXDs for Canada, Europe, Mexico, and the United States o Commercial data from Tele Atlas, AND Mapping, DMTI Spatial, WorldSat, EarthSat, DigitalGlobe, EuroGeographics, Michael Bauer Research, CountryWatch, SIGSA, and ESRI o All levels of U.S. Census geography and zip codes o TIGER 2000-based StreetMap USA data o Global Natural View image
StreetMap	Comes bundled in the ESRI Data &Maps Media kit (part of ArcGIS)	Streetmap comes with the ESRI Data & Maps bundle. The street data in Streetmap is enhanced TIGER 2000 data. Uses for Streetmap include: o To geocode addresses and generate routes and driving directions o As a cartographic display o As a backdrop for plotting customer locations o As a basemap ***Note**: StreetMap is now part of core at ArcGIS 9.1 (i.e. data bundled with and the extension no longer exists). However, at pre-ArcGIS 9.1, StreetMap was bundled with the product, but the required extension was not.*
Streetmap Pro	$3500	StreetMap Pro is Tele Atlas-based street data for the United States and Canada that is updated every two years. It

		contains more complete and current address information than StreetMap and is also positionally more accurate. One-way and turn restriction information ensures nationwide routing and driving directions are generated correctly. Uses for Streetmap Pro include:
		
		   o To geocode addresses and generate routes and driving directions
		   o As a cartographic display
		   o As a backdrop for plotting customer locations
		   o As a basemap

Streetmap Premium	$20,000	StreetMap Premium is the most recent quarterly commercial street data from Tele Atlas and NAVTEQ for the United States, Canada, and Europe. Because StreetMap Premium consists of the most recent street data, users can achieve the highest address geocoding match rates and generate the best routes and driving directions. Uses for Streetmap Premium include:
		
		   o To geocode addresses and generate routes and driving directions
		   o As a cartographic display
		   o As a backdrop for plotting customer locations
		   o As a basemap

Business Analyst Online	Now offered to Hurricane relief efforts for free	ESRI has provided access to Business Analyst Online for use by any Economic Development agency or interested party who wishes to examine the demographics or consumer expenditure patterns for the affected areas. This product contains current year demographic and consumer data.
		
		Easy to use, convenient, and always accessible, Business Analyst Online features
		
		   o Detailed 2005/2010 demographic data
		   o Revealing market segmentation data from Community Tapestry
		   o National aerial photo and satellite imagery coverage
		   o Interactive thematic mapping
		   o Fast delivery of reports and maps in single PDF document

Public (Free) GIS Web Services from ESRI via ArcWeb Services

GIS Web services give a diverse user community access to geospatial content. They offer a cost-effective way to include mapping and location services in Web-enabled applications such as ArcView, ArcExplorer (free), ArcPad, ArcEngine, ArcGIS Server and the geodata.gov Viewer at http://gos2.geodata.gov/wps/portal/gos/communities/hurricane .

The list below contains Public services ESRI provides at no-cost to our users. These services provide a free subset of ArcWeb Services data and functionality. Use of the Public Services requires that you must either be signed up for an ArcWeb Services evaluation or have purchased an ArcWeb Services subscription as well as lag your account with Public Use in order to access such services.

Note: If you already have an ArcWeb Services account, you need to create a new ESRI Global Account to register for Public Services.

- Integrate live services/data into your maps via:
    - ArcView – use the free ArcWeb Services Toolbar at http://www.esri.com/software/arcwebservices/toolbar.html.
    - You must either be signed up for an ArcWeb Services evaluation or have purchased an ArcWeb Services subscription.
    - ArcWeb Toolbar Help - http://arcweb.esri.com/toolbarhelp/index.htm
    - Details of each service can be found at http://arcweb.esri.com/arcwebonline/index.htm#services/activate.htm

	Company Name	Map Server (ArcIMS Server Name)	Map Service ArcIMS Service Name	Description
Imagery				
USGS DOQQs	GlobeXplorer	http://arcweb.globexplorer.com	USGS_DOQQ_wm	**Summary:** USGS "Digital Ortho" Service - a continental US mosaic of greyscale ortho-rectified "DOQQ" aerial photos, enhanced and continually updated by i-cubed. Over a quarter of a million DOQQs are included, covering 95% of the continental US at 1-meter resolution. **Use:** Imagery, base maps, and land cover
Topographic				
Topographic	National Geographic Society	http://arcweb.esri.com	NGS_Topo	**Summary:** This map service presents National Geographic TOPO! 1:24,000 and 1:100,000 scale maps for the United States. The map service presents 1:100,000 scale maps for all 48 contiguous states and 1:24,000 scale maps for all states. TOPO! includes high-quality scans of the 1:24,000 scale USGS topographic maps. To view the TOPO! maps, you must zoom in to a scale of 1:250,000 or greater on the map service. The map service includes reference data from ESRI and the USGS at smaller scales. **Use:** Imagery, base maps, and land cover
Streets				
Streets	GDT/TeleAtlas	http://arcweb.esri.com	GDT_ArcWeb_US	**Summary:** This ArcWeb map service is built on Dynamap/2000. It contains more than 14 million addressed street segments along with postal boundaries, landmarks, and water features for the United States. Dynamap offers the most current and comprehensive street and address data available based on information from sources such as the U.S. Postal Service; various city, county, and state organizations; E911; and customer feedback. The ESRI version of Dynamap/2000 has been optimized for display and distribution over the Internet. **Use:** This map service can be used as a local basemap for a variety of applications.

Points of Interest				
Points of Interest	GDT/TeleAtlas	http://arcweb.esri.com	GDT.POI.US	**Summary:** This data provides point of interest (POI) locations in the United States, including government offices, hospitals, schools, places of worship, retail outlets, transportation stations, recreation facilities, and more. The data is updated quarterly and contains over 300,000 point locations. **Use:** The data source is intended to support proximity searches to POI locations.
Populated Places	GDT/TeleAtlas	http://arcweb.esri.com	GDT.PopulatedPlaces.US	**Summary:** This data offers place name information from the GDT Dynamap/2000 database. It provides place names and codes for locations in the United States. **Use:** The data source is intended to support place finder applications.
Landmarks	GDT/TeleAtlas	http://arcweb.esri.com	GDT.Landmarks.US	**Summary:** This data provides access to geographic landmark data from the GDT Dynamap/2000 database. It offers more than fifty thousand landmark place names including amusement parks, stadiums, colleges, hospitals, and more. **Use:** The data source is intended to support place finder applications.
Reports				
Census 2000 Detailed Race Profile	ESRI	http://arcweb.esri.com	ESRIBIS.Census2000DetailedRace.US	**Summary:** Race may influence how a market area responds to product offerings, new businesses, or services. The detailed breakouts of race combinations in this report give retailers, marketers, and other businesses a picture of an area's racial makeup by 2000 total population and population with Hispanic origin.
Census 2000 Summary Profile	ESRI	http://arcweb.esri.com	ESRIBIS.Census2000Summary.US	**Summary:** This comprehensive summary of Census 2000 combines demographic variables such as ▪ Households by type ▪ Households by size ▪ Population age 15+ by sex and marital status ▪ Population age 3+ school enrollment ▪ Population age 3+ by educational attainment ▪ Workers age 16+ by travel time to work ▪ Employed population age 16+ by industry and occupation ▪ Housing units by occupancy.
Census Demographics (over 400 variables)				
Demographics	ESRI	GDT.Streets.NA	ESRI.Demographics_1.US	**Summary:** This data contains over 200 demographic

				variables for locations around the United States.
Demographics	ESRI		ESRI.Demographics_2.US	**Summary:** This data contains approximately 200 demographic variables for locations around the United States.
Thematic Maps				
Thematic Mapping	ESRI	http://arcweb.esri.com	ESRI.Thematic.US	**Summary:** The data for ESRI.Thematic.US is provided by various contributors. The base map and reference layers come from the following data providers: ▪ States and Counties - U.S. Geological Survey (USGS) ▪ ZIP Codes and Block Groups - GDT ▪ Highways and Streets - GDT and ESRI ▪ Railroads - GDT ▪ Cities - ESRI ▪ Water bodies - GDT, USGS and ESRI ▪ Rivers - GDT and ESRI **Use:** The data source is intended for thematic mapping and for generating reports of population statistics for a specific location in the United States.
Geocoding				
Address Matching	GDT/TeleAtlas	http://arcweb.esri.com	GDT.Address.US	**Summary:** This data enables users to determine the latitude, longitude location for street addresses or places in the United States. It supports geocoding with complete addresses, partial addresses, and place names. **Use:** The data source is intended to support geocoding.
Place name lookup				
Placefinder	ESRI	http://arcweb.esri.com	ESRI.Gazetteer.World	**Summary:** This data provides geographic place name data from several sources including the National Geospatial-Intelligence Agency (NGA), U.S. Geological Survey (USGS), and ESRI. The Place Finder Web Service recognizes more than three million place names including geographic regions (e.g., continents, states, cities), bodies of water, and major points of interest. **Use:** The data source is intended to support a wide variety

				of place finder applications.
Routing				
North America Routing	ESRI	http://arcweb.esri.com	GDT.Streets.NA	**Summary:** This data presents street data from Dynamap/Canada and Dynamap/2000, GDT's premiere street network databases for Canada and the United States, optimized for routing. It includes detailed street data along with administrative boundaries, landmarks, water features, and more. **Use:** The data source is intended to support multi-point routing in Canada, the United States, and between Canada and the United States.

Katrina Impact Reports – generated using Business Analyst Online

- *Katrina State Impact Area Report* - http://reports.esribis.com/GetPdf?id=LTEyNjkwNzYgIC0xMTI1NTI1NTc0ODY1
  - o State Level analysis includes:
    - Standard Map
    - Tapestry Segmentation Area Profile
    - Housing Profile
    - Age by Income Profile
    - Retail MarketPlace Profile
    - Business Summary
- *Katrina Impacted Zip Codes*
  - o Get all your reports in **one PDF document** at:
    http://redlandsreports.esribis.com/GetPdf?id=LTEyNjk0NjYtMTEyNTUzNTY2MzM3OA%3D%3D
  - o Get all your reports in **one ZIP file** at:
    http://redlandsreports.esribis.com/GetZip?id=LTEyNjk0NjYtMTEyNTUzNTY2MzM3OA%3D%3D.
  - o Use the link below to **view each individual reports and maps**
    - Housing Profile
      http://redlandsarcweb.esri.com/services/servlet/EBIS_Reports?ReadPDF=housing__1125535603431686948405
    - Age by Income Profile
      http://redlandsarcweb.esri.com/services/servlet/EBIS_Reports?ReadPDF=ageinc__1125535597708280960620
    - Business Summary
      http://redlandsarcweb.esri.com/services/servlet/EBIS_Reports?ReadPDF=business_summary__1125535591651994630891
    - Standard Map
      http://redlandsarcweb.esri.com/services/servlet/EBIS_Reports?ReadPDF=stdgeog_pdf_map__1125535661828307809856

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Commercial GIS Web Services from ESRI via ArcWeb Services

- Commercial Services offers a rich set of functionality for businesses and government. Using a simple pay-as-you-go model, developers, IT professionals, and GIS professionals have access to ready-to-use applications, GIS web services, and one of the industries most complete maps and spatial data sets available today. **NOTE:** ArcWeb Services added post Hurricane imagery on Sept. 4th to the GlobeXplorer service.
- MapStudio for Homeland Security—Provides emergency and crisis management centers with the ability to create a common operating picture and access detailed data for a specific event.
- MapStudio for Media—Designed for media outlets, MapStudio for Media is an affordable and easy way to create maps of any location in the world. Maps created with MapStudio for Media can be edited in typical illustration software.
- Business Analyst Online—Combines GIS technology with extensive business, demographic, and consumer household data to provide Web capabilities previously available only through ESRI's Business Analyst desktop software.
- Flood Map Report—Allows users to download a Flood Map Report to help determine the relative flood risk of a specific location. These reports are created using Federal Emergency Management Agency Q3 Flood Data and Tele Atlas Dynamap/2000 street data.