FINAL DAMAGE DATA

SHAPEFILE

Earthquake damage and casualty report from August 2011

English Translation of Data is available here

KEY DATA FIELDS

CITY_EN,C,254	City
PREF_EN,C,254	Prefecture
COAST,C,254	Coastal or Non-Coastal
DAY_POP,N,33,31	Usual Daytime Population
DEAD,N,33,31	# of Fatalities
MISS,C,254	# of Missing
COM_FAT,N,33,31	# of Combined Fatalities
INJU,N,33,31	Total Injuries
SER_INJU,C,254	Serious Injuries
SLI_INJU,N,33,31	Minor Injuries
SHELT,N,33,31	Evacuation Shelters
SHEL_POP,N,33,31	Population in Shelters
HOUS_DEST,C,254	Houses Destroyed
HOUS_PART,C,254	Houses Partially Destroyed
HOUS_DAM,N,33,31	Houses Damaged
FLOOD_ABV,N,33,31	Flooded Above Floor Level
FLOOD_BLW,N,33,31	Flooded Below Floor Level
NONHOU_DAM,N,33,31	Non-structural Damage
FIRE_NUM,C,254	Number of Fires
FIRE_EXT,C,254	Extinguished Fires
TOT_HOUS,N,33,31	Total # of Households

FUKISHIMA RADIATION

SHAPEFILE

Fukushima radiation dose (microSv/hr) measured by Japan Ministry of Culture, Education, Sports, and Science and Technology (MEXT) and local governments at the height of 0.5-1.0m.
Source: http://www.nnistar.com/gmap/fukushima.html

Radiation is measured in units over time here are some levels for reference
10 μSv – The average radiation received in a day
40 μSv – The radiation you receive by taking a flight from SF to Boston
3,600 μSv – Average radiation a US citizen receives in a year from all sources
50,000 μSv – Maximum allowable yearly occupational dose
100,000 μSv – Lowest yearly dose likely linked to increased cancer risk
2,000,000 μSv – Severe radiation poisoning (sometimes fatal)

KEY DATA FIELDS

Y,N,33,31	Latitude
X,N,33,31	Longitude
Date,N,33,31	Date of Measurement
HeightM,N,33,31	Height of Observation
Samp1Mid,N,33,31	Sample 1 (microSievert/hr)
Samp2,N,33,31	Sample 2 (microSievert/hr)
Samp3,N,33,31	Sample 3 (microSievert/hr)
Samp4,N,33,31	Sample 4 (microSievert/hr)
Samp5,N,33,31	Sample 5 (microSievert/hr)
SampAve,N,33,31	Average Sample Reading (microSievert/hr)

TSUNAMI WATER HEIGHTS

CSV

Inundation depth as observed or modeled the date of the earthquake and tsunami.

KEY DATA FIELDS

DISTANCE,N,7,2	Distance of Observation from Earthquake
WATER_HEIG,N,5,2	Observed or Modeled Water Height

OCEAN DEPTH DATA

CSV

Japan Oceanographic Data Center (JDOC) 500m gridded bathymetric data set. Depth-sounding survey data around Japan taken by various ocean research institutes integrated and gridded by 500m intervals. Smoothing operations were applied to the data.
Source: http://www.jodc.go.jp/jodcweb/JDOSS/infoJEGG.html

ADDITIONAL DATA SOURCES

Japan Oceanographic Data Center (JODC) has oceanographic data and related information obtained by various oceanographic research institutes in and outside Japan. Downloadable text files.
http://www.jodc.go.jp/jodcweb/JDOSS/index.html

WorldMap is an open source map project developed by the Center for Geographic Analysis at Harvard University. The Japan map contains data sources that include key infrastructure and tsunami specific data. Downloadable files in a variety of Mapbox compatible formats.
https://worldmap.harvard.edu/japanmap/