Contribute Data to 3DEP - Phase 1 - Gather Information about the Project

Basic Project Info	Description	Info Type
Project Footprint	Number of Square Miles. Graphic and/or Shapefile or KMZ of project footprint	Waushara County, WI 647 sqmi. Defined project area (DPA) and 100 m buffered project area (BPA) included in shapefile format.
Contact Information	POC information about submitter and partner	Diane Rogers Strategic Alliance for Risk Reduction II (STARR II) Senior Project Manager 6110 Frost Place Laurel, Maryland 20707 (301) 982-2800 diane.rogers@stantec.com James L. Huffines Strategic Alliance for Risk Reduction II (STARR II) Senior GIS Specialist 801 Jones Franklin Road, Suite 300 Raleigh, NC 27606-3563 (919) 532-2332 james.huffines@stantec.com
Project Collection Dates	When was or is the data being acquired? Proposed Date of Delivery to USGS.	LiDAR was acquired between November 7, 2017 and November 8, 2017. Delivered to USGS 11/29/2018
Estimated Project Cost	Total Project Cost & Source of the Estimate. <$100,000> Total project cost, not the cost the contributing partner if less than the total cost.	$176,538.27
Collection Specification	Applicable USGS Lidar Specification and quality level of data	LiDAR Base Specification 1.2 Quality Level 2
Hydrotreatment of DEMs	Hydro flattened, Hydro enforced, Hydro conditioned, No Hydrologic Treatment	Hydro Flattened DEMs
Ability to obtain corrections	Can corrections be requested? Who will be providing the corrections? Is there a deadline/timeframe for requesting corrections?	Yes. James L. Huffines Strategic Alliance for Risk Reduction II (STARR II) Senior GIS Specialist 801 Jones Franklin Road, Suite 300 Raleigh, NC 27606-3563 (919) 532-2332 james.huffines@stantec.com 12/31/2018
Additional Comments	Any additional information about the project.	Project funded by FEMA for Flood Risk MAP program

Project Deliverables

	Deliverable	*Description*	*Link for More Information*	*Info Type*
Project Background	**Task Order/Statement of Work**	Document describing the contracted tasks or statement of work that was performed.		Yes: Scope of Work Detailed in Project Narrative Document included with submittal
	Project Shapefile/Geodatabase	Geo-referenced, digital spatial representation of the precise extents of each delivered dataset. This should reflect the extents of the actual lidar source or derived product data, exclusive of TIN artifacts or raster NODATA areas.	https://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf#page=21	Yes: Extents for Project Area, Swath Index, and Tiled Classified LiDAR/DEM indices included as shapefiles
	Project Tiling Scheme Shapefile/Gdb	Geo-referenced, digital spatial representation of the project tiling scheme.	http://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf#page=19	
	Bare-Earth DEM Footprint Shapefile	Geo-referenced, digital spatial representation of the precise extent of the DEM, exclusive of TIN artifacts or raster NODATA areas. A union of the tile boundaries or minimum bounding rectangle is not acceptable.		

Original Source Data	**Tiled LAS Files (Classified)**	Tiled classified LAS files.	https://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf#page=22	Yes
	Bare-Earth DEM Files	Cell Size no greater than 1 meter or 2 feet, and no less than the design Nominal Pulse Spacing (NPS). Delivery in an industry-standard, GIS-compatible, 32-bit floating point raster format (ERDAS .IMG preferred). Georeferenced, tiled delivery.	https://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf#page=23	Yes: 32-bit floating point, Georeferenced, tiled delivery of 2ft DEMs in ERDAS Imagine format
	Swath LAS Files (No longer required in USGS Lidar Base Specification V 1.3)	All returns, all collected points, fully calibrated and adjusted to ground, by swath.	h ttps://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf#page=22	Yes: All project Swaths included
	Breakline Shapefiles/Gdb	Geo-referenced, digital spatial representation of the breaklines developed for use in hydro-flattening. All breaklines developed for use in hydro-flattening shall be delivered as an ESRI feature class (PolylineZ or PolygonZ format, as appropriate to the type of feature represented and the methodology used by the data producer).	https://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf#page=22	Yes: PolygonZ breaklines delivered as both File Gedatabase Feature Class and Shapefile provided
	Intensity Image Files (if available)	8-bit grayscale, tiled.	h ttps://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf#page=30	No: Intensity Rasters Not included
Control/ Calibration Information	**Control Point Shapefile**	Geo-referenced, digital spatial representation of the control points used to calibrate, control, process, and validate the lidar point data or any derivative products that are to be delivered.	h ttps://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf#page=21	Yes: Surveyed control points included in shapefile format.
	Control and Calibration Points	All control and reference points used to calibrate, control, process, and validate the lidar point data or any derivative products that are to be delivered.		Yes: NVA, VVA check points included with submittal in shapefile format.
	Independent Checkpoint Shapefile		h ttps://pubs.usgs.gov/tm/11b4/pdf/t	
Reports	**Collection Report**	Includes information related to the collection of the LiDAR data such as collection date, mission planning and flight logs.		Yes: Pre-flight post-flight, and Flight Logs reports included
	Survey Report	Details the collection of control and reference points used for calibration and QA/QC.	h ttps://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf#page=21	Yes: Survey Reports included with submission
	Processing Report	Details calibration, classification, and product generation procedures including methodology used for breakline collection and hydro- flattening.		Yes: Processing reports and QA/QC reports included for all processing steps. FVA and VVA survey results also included in the report and an Excel spreadsheet with calculations
	QA/QC Report			
Metadata	**Project XML Metadata**	Product metadata (FGDC compliant, XML format metadata) describing the project as a whole.		Yes: Project level metadata included in XML format with USGS specific LiDAR Tags.
	Tiled LAS File XML Metadata	Product metadata (FGDC compliant, XML format metadata) describing the tiled, classified LAS Files.	h ttps://pubs.usgs.gov/tm/11b4/pdf/tm11-B4.pdf#page=21	Yes: All product metadata (Classified LAS, break lines and DEMs included in XML format with USGS specific LiDAR Tags.
	Breakline XML Metadata	Product metadata (FGDC compliant, XML format metadata) describing the breaklines developed for use in hydro-flattening.		
	Bare-Earth DEM File XML Metadata	Product metadata (FGDC compliant, XML format metadata) describing the bare-earth DEM files.		