

English Translation

/seal: INEGI/
Letter No. 1.4.212/2007
INEGI.GEO.02.02

/stamp: MxIBWC received Sept 4, 2007/
/seal: Secretariat of the Treasury
and Public Credit/

Geography Department

RE: Authorization No. 8.2/LA852/2007
in favor of the company **WOOLPERT,
INC.** to carry out LIDAR flights along the
Mexico-United States border

Eng. Arturo Herrera Solís
Mexican Commissioner
International Boundary and Water Commission
United States and Mexico, SRE
Hand Delivered

Aguascalientes, Ags., September 3, 2007

Concerning your request from August 2 of this year, I inform you that based on Articles 12 and 33 of the Law of Data, Statistics and Geography, 48, 49, and 59 of its Code of Regulation; 99, 100 Section III, paragraph g) and 102 Section 1 of the Internals Regulations of the Secretariat of the Treasury and Public Credit, the Geography Department for which I am responsible, grants the authorization to the company **WOOLPERT, INC.** to carry out LIDAR flights along the U.S.-Mexico border on behalf of the United States Geological Survey (USGS), under the following terms and conditions:

The company shall:

- I. Present this authorization to any authority that requests it. This authorization is non-transferable and will be valid for 91 days as of the date of issuance; it may be renewed once, for the same length of time, if requested 30 days prior to the expiration of the current authorization.
- II. **COORDINATE WITH THE DEPARTMENT OF CARTOGRAPHY AT THE SECRETARIAT OF NATIONAL DEFENSE BY TELEPHONE AT 55-84-42-92, SO THAT THE MILITARY AUTHORITY MAY PROVIDE AIR TRAFFIC INFORMATION AND ASSIGN A MILITARY UNIT TO SUPERVISE THE AIRCRAFT, EQUIPMENT, CREW AND ACT AS AN OBSERVER WHILE THE WORK IS CARRIED OUT.**

/stamp: MxIBWC File No. 180/

Mexico counts on INEGI

Av. Héroe de Nacozari Sur # 2301 Puerta 8, Nivel 2, Fracc. Jardines del Parque
C.P 20270 Aguascalientes, Ags 49 910 5400 Ext.5406
www.inegi.gob.mx mario.reyes@inegi.gob.mx

- III. Report commencement of activity to INEGI's Geography Department by fax at 55-63-99-32 at least three days prior, including the day, time and airport inside national territory where the aircraft will depart from to carry out the LIDAR flights.

THIS AUTHORIZATION DOES NOT PROVIDE FOR RECONNAISSANCE OR EQUIPMENT TEST FLIGHTS. NOR DOES IT AUTHORIZE OVERFLIGHTS AND LIDAR DATA CAPTURE OUTSIDE NATIONAL TERRITORY.

- IV. Avoid flying over and collecting LIDAR data on military installations that may be included in the flight path and conform to the national standards for aerial navigation, flying exclusively over the border between Mexico and the United States within a 5-kilometer (3-mile) wide strip adjacent to the border, in the areas that have been identified as: 1, 2 and 3 on the Sonora-Arizona border; area 4 in the Colorado River Limitrophe Reach and Area 5 on the Baja California-California border, over a total surface area of 1,785 Km², approximately, according to the attached maps.
- V. Survey with LIDAR equipment on board the aircraft CESSNA 404 with registration N4O4CP and airworthiness certificate No. 404-0238, CESSNA 404 with registration N7079F and airworthiness certificate No. 404-0681, CESSNA T310P with registration N111SD and airworthiness certificate No. 310P0200.
- VI. Survey with LIDAR equipment at a proposed height between 1,219-2,743 meters above sea level, with an east-west heading for areas 1, 2, 3, and 5, and North-South for area 4.
- VII. Indicate to the Geography Department (INEGI) the name, address and telephone of the custodian of the acquired data.
- VIII. Provide the Geography Department (INEGI) with two electronic copies of the results of the survey, a detailed report and the log of flights carried out, with the data and specifications in the format attached, which must be delivered no more than 60 days after this authorization expires.

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- IX. Send to the Department of Cartography at the Secretariat of National Defense, via INEGI, a digital copy of the results of the survey (included in the previous point).

The agency grants this authorization while reserving the rights conferred on it by the Law of Data, Statistics and Geography, its Code of Regulation, and the Internals Regulations of the Secretariat of the Treasury and Public Credit, with the understanding that non-compliance with any of the preceding terms and conditions will result in the application of sanctions as provided for by the cited legislation regardless of any others that may be applicable to the violators as a result of other legal provisions.

I thank you for your attention, and I send you my regards.

Sincerely,
Effective Suffrage, No Reelection.
General Director
(signed)
Eng. Mario Alberto Reyes Ibarra

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Geography Department

RE: Authorization No. 8.2/LA853/2007
in favor of the company MERRICK &
COMPANY, to carry out LIDAR flights
along the
Mexico-United States border

Eng. Arturo Herrera Solís
Mexican Commissioner
International Boundary and Water Commission
United States and Mexico, SRE
Hand Delivered

Aguascalientes, Ags., September 3, 2007

Concerning your request from August 2 of this year, I inform you that based on Articles 12 and 33 of the Law of Data, Statistics and Geography, 48, 49, and 59 of its Code of Regulation; 99, 100 Section III, paragraph g) and 102 Section 1 of the Internals Regulations of the Secretariat of the Treasury and Public Credit, the Geography Department for which I am responsible, grants the authorization to the company **MERRICK & COMPANY**, to carry out LIDAR flights along the U.S.-Mexico border on behalf of the United States Geological Survey (USGS), under the following terms and conditions:

The company shall:

- I. Present this authorization to any authority that requests it. This authorization is non-transferable and will be valid for 91 days as of the date of issuance; it may be renewed once, for the same length of time, if requested 30 days prior to the expiration of the current authorization.
- II. **COORDINATE WITH THE DEPARTMENT OF CARTOGRAPHY AT THE SECRETARIAT OF NATIONAL DEFENSE BY TELEPHONE AT 55-84-42-92, SO THAT THE MILITARY AUTHORITY MAY PROVIDE AIR TRAFFIC INFORMATION AND ASSIGN A MILITARY UNIT TO SUPERVISE THE AIRCRAFT, EQUIPMENT, CREW AND ACT AS AN OBSERVER WHILE THE WORK IS CARRIED OUT.**

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THIS AUTHORIZATION DOES NOT PROVIDE FOR RECONNAISSANCE OR EQUIPMENT TEST FLIGHTS. NOR DOES IT AUTHORIZE OVERFLIGHTS AND LIDAR DATA CAPTURE OUTSIDE NATIONAL TERRITORY.

- IV. Avoid flying over and collecting LIDAR data on military installations that may be included in the flight path and conform to the national standards for aerial navigation, flying exclusively over the border between Mexico and the United States within a 5-kilometer (3-mile) wide strip adjacent to the border, in the areas that have been identified as: 1, 2 and 3 located in the limitrophe reach of the Rio Grande between the Amistad and Falcon international dams, as well as the area of Ciudad Juarez, Chih., with a total surface area of 3,101 Km², approximately, according to the attached maps.
- V. Survey with LIDAR equipment on board the aircraft CESSNA 402C with registration N4661N and airworthiness certificate No. 402C0019, CESSNA 402C with registration N274MR and airworthiness certificate No. 402C0274.
- VI. Survey with LIDAR equipment at a proposed height at 7,500 meters above sea level in area 1; 6,500 meters above sea level in areas 2 and 3; and 15,000 meters above sea level in the area of Ciudad Juarez, Chih. to obtain images with a resolution between (1:22,400 and 1:25,300), with different heading as indicated in the attached diagram.
- VII. Indicate to the Geography Department (INEGI) the name, address and telephone of the custodian of the acquired data.
- VIII. Provide the Geography Department (INEGI) with two electronic copies of the results of the survey, a detailed report and the log of flights carried out, with the data and specifications in the format attached, which must be delivered no more than 60 days after this authorization expires.

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I thank you for your attention, and I send you my regards.

Sincerely,
Effective Suffrage, No Reelection.
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Eng. Mario Alberto Reyes Ibarra