

Non-Interference Compliance

Regarding Facility id 151736

Channel 232

Description of Exhibit 13 Contents

This exhibit demonstrates that the proposed facility complies with contour overlap and interference protection provisions in all of the applicable rule sections and that this application for a construction permit is in full compliance with 47 C.F.R. § 74.1204.

Let it be noted that should any actual real world interference occur, the applicant acknowledges that it will promptly suspend operation of this translator in accordance with 47 C.F.R. § 74.1203.

Page 2 of this exhibit is an explanation of the method used to demonstrate compliance with contour overlap and interference provisions based on 47 C.F.R. § 74.1204(d), which states:

[A]n application otherwise precluded by this section will be accepted if it can be demonstrated that no actual interference will occur due to intervening terrain, lack of population or such other factors as may be applicable.

Page 3 of this exhibit contains the tabulated data from the interference analysis, which shows all stations whose protected contours come within 50 km of the 34 dBμ F(50,10) contour of the proposed translator. These tabulated values were calculated using data from the FCC's CDBS files and 30 arc second terrain data. The column labeled "Adj" shows the number of channels difference between the entry and the proposed translator. The column labeled "Dist" shows the distance in km. The column labeled "Overlap" shows the area of contour overlap in square kilometers.

Page 4 of this exhibit is a portion of a USGS 1:24,000 scale 7.5 minute quadrangle at full scale with the calculated area of interference overlaid. The sheet includes the quadrangle name and measurement scale at the bottom-left corner (note: "Mt" refers to meters). The area of interference was calculated using the free space equation and 120 radials.

Pages 5 and 6 of this exhibit is are aerial photos of the vicinity surrounding the translator's proposed transmit site.

Compliance with 47 C.F.R. § 74.1204(d)

All authorized second and third adjacent stations with which the proposed translator has contour overlap are tabulated below. Column four show the station's signal level at the proposed translator's tower site, and column five gives the minimum value within the entire standard interfering contour of the proposed translator (100 dBμ for most classes, 94 for class B, 97 for class B1). The minimum second or third adjacent F(50,50) contour within the proposed translator's standard interfering contour was used to calculate the proposed translator's actual "worst-case" interfering contour.

Application_id	File Number	Callsign	Contour at Tower	Min. Contour
153863	BLH19901029KC	WMTM-FM	67.4	67.3
Minimum F(50,50) Contour of Adjacent Station within Proposed Translator's Standard Interfering Contour				67.3

FCC 02-244 at Section II.A.5 states that "when demonstrating that 'no actual interference will occur due to . . . other factors,' pursuant to Section 74.1204(d), an applicant may use the undesired-to-desired signal ratio method." The undesired-to-desired ratio for second and third adjacent stations required by § 74.1204(a) is 40 dB. Since the minimum protected contour strength within the proposed translator's standard interference contour is **67.3 dBμ**, this makes the proposed translator's worst-case interfering contour **107.3 dBμ**. By the free-space equation, this contour is calculated to extend a maximum of **30.3 m** from the transmit antenna.

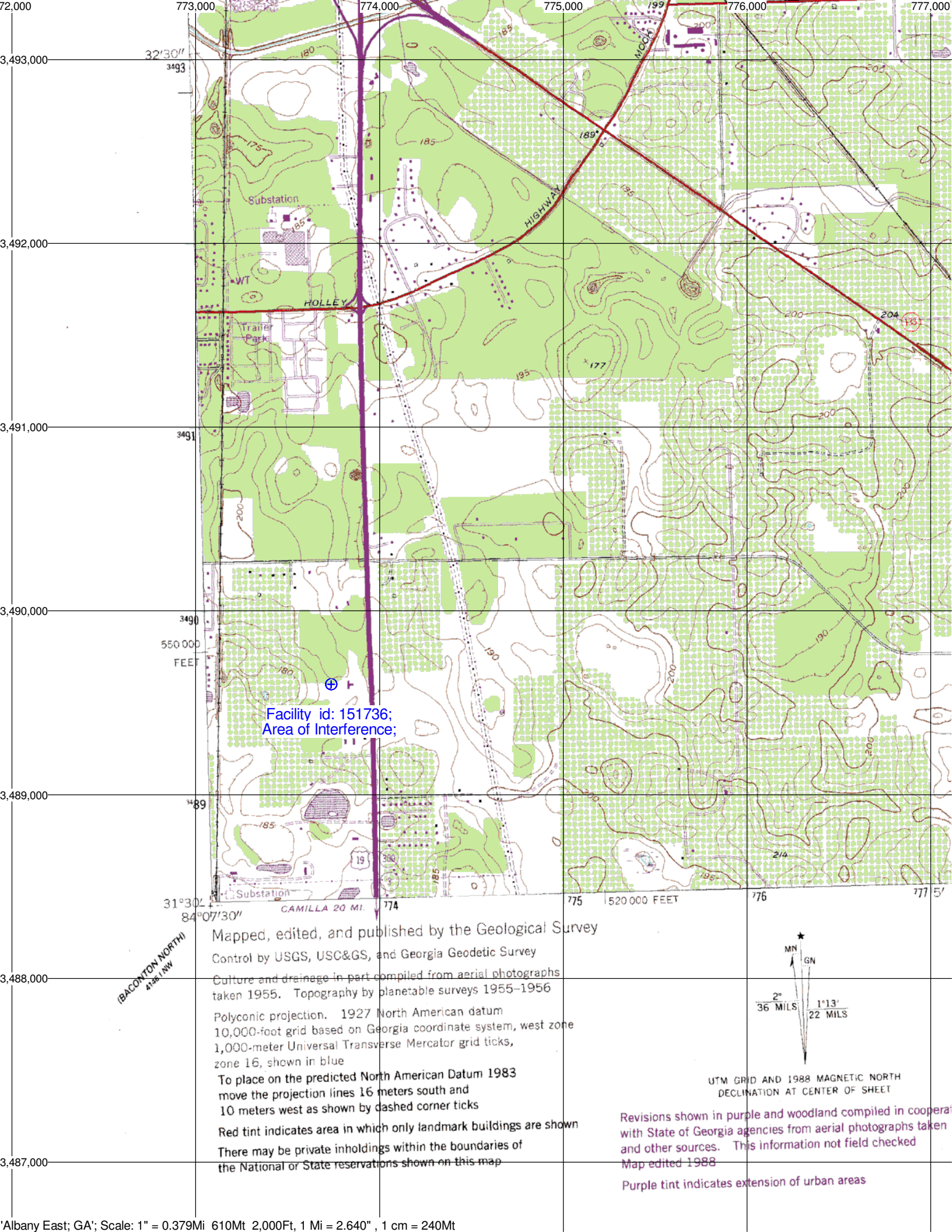
The interfering contour of the proposed translator was calculated for 120 radials and plotted on the pertinent portion of a USGS quadrangle (page 4 of this exhibit). As demonstrated on the quadrangle, there are no populated structures or highways within the area of interference (Note: FCC 02-244 at Section II.A.6 states that USGS quadrangles "have been recognized as acceptable to demonstrate lack of population"). Hence, in accordance with 47 C.F.R. § 74.1204(d) and the clarification provided by the FCC in the decision *Re: Living Way Ministries* (FCC 02-244), a lack of population has been demonstrated within the area of interference and this application is therefore in full compliance with 47 C.F.R. § 74.1204.

Antenna Manufacturer:	WRL
Antenna Model:	FMPV1
CORAGL:	6 m
Maximum ERP:	0.001 kW
Interfering Contour:	107.3 dBμ
Max Int. Contour Distance:	30.3 m

Adjacent Channel Study **For Station W232BI, Facility_id: 151736**

Co-channel through third adjacent:

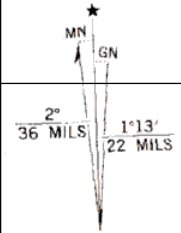
Application_id	Facility_id	Prefix	ARN	Call	Licensee	Class	City	State	Status	ERP	RCAMSL	Channel	Adj	Dist	Overlap
153863	12381	BLH	19901029KC	WMTM-FM	COLQUITT BROADCASTING COMPANY, LLC	C1	MOULTRIE	GA	LIC	100	261	230	2	45.5	4503.98
291158	94987	Null	Null	Null		C1	MOULTRIE	GA	USE	0	0	230	2	51.7	3304.27
1169436	151751	BLFT	20070123ACD	W232AB	RADIO ASSIST MINISTRY, INC.	D	CAMILLA	GA	LIC	0.01	210	232	0	41.8	0
222665	63786	BLH	19960401KA	WDEC-FM	SUMTER BROADCASTING CO., INC.	C3	AMERICUS	GA	LIC	25	205	234	2	46.9	0
299236	63786	Null	Null	WDEC-FM	SUMTER BROADCASTING CO., INC.	C3	AMERICUS	GA	USE	0	0	234	2	55.7	0
1303664	165968	BLH	20090326ADU	WLEL	SUMMER ROSE BROADCASTING	A	ELLAVILLE	GA	LIC	4.8	230	232	0	83.2	0
677516	0	RM	11196	Null		A	ELLAVILLE	GA	USE	0	0	232	0	84.8	0
290655	23615	Null	Null	WIZB	RADIO TRAINING NETWORK, INC.	C3	ABBEVILLE	AL	USE	0	0	232	0	89.9	0
291549	51590	Null	Null	WTNT-FM	CLEAR CHANNEL BROADCASTING LICENSES, I	C1	TALLAHASSEE	FL	USE	0	0	235	3	104.5	0
1423443	51590	BMLH	20110408ABN	WTNT-FM	CLEAR CHANNEL BROADCASTING LICENSES, I	C1	TALLAHASSEE	FL	LIC	98	303	235	3	104.6	0



Facility id: 151736;
Area of Interference;

(BACONTON NORTH)
4126 1 NW

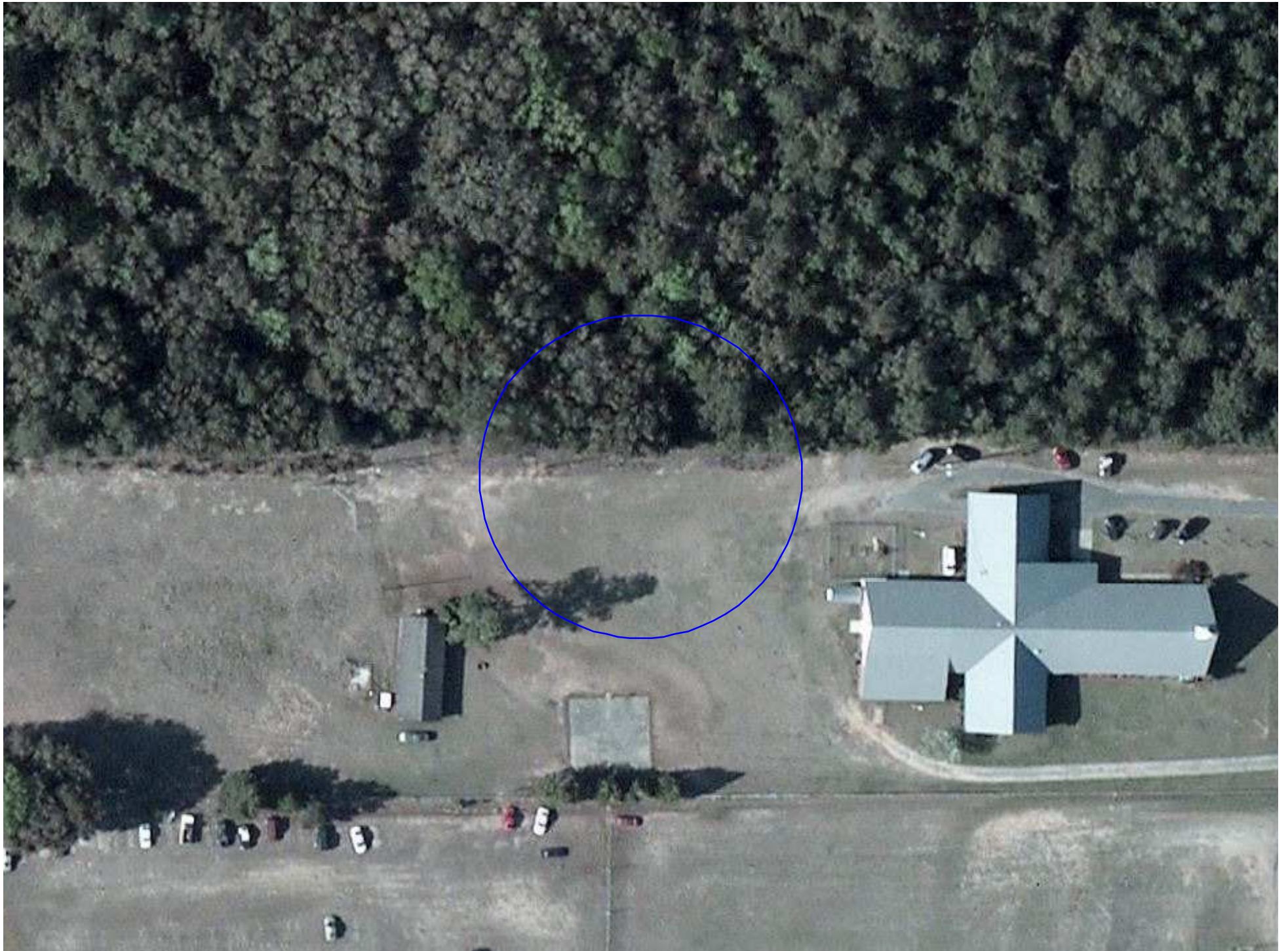
Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and Georgia Geodetic Survey
Culture and drainage in part compiled from aerial photographs
taken 1955. Topography by planetable surveys 1955-1956
Polyconic projection. 1927 North American datum
10,000-foot grid based on Georgia coordinate system, west zone
1,000-meter Universal Transverse Mercator grid ticks,
zone 16, shown in blue
To place on the predicted North American Datum 1983
move the projection lines 16 meters south and
10 meters west as shown by dashed corner ticks
Red tint indicates area in which only landmark buildings are shown
There may be private inholdings within the boundaries of
the National or State reservations shown on this map



UTM GRID AND 1988 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

Revisions shown in purple and woodland compiled in cooperation
with State of Georgia agencies from aerial photographs taken
and other sources. This information not field checked
Map edited 1988

Purple tint indicates extension of urban areas





151736 - Proposed 107.3 dBu

Image © 2012 GeoEye
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Google earth

Google earth

feet
meters

