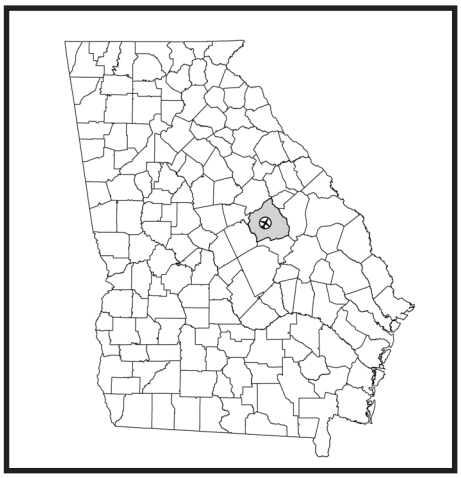
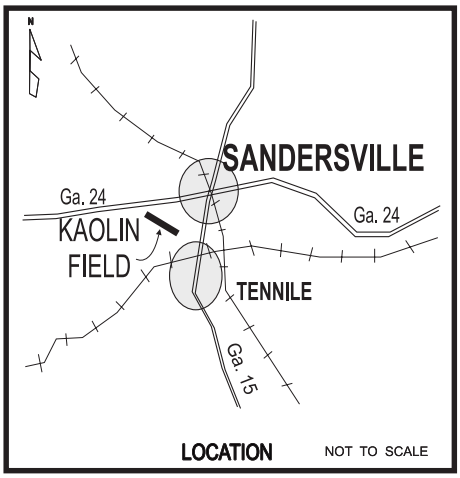
Airport Findings and Recommendations

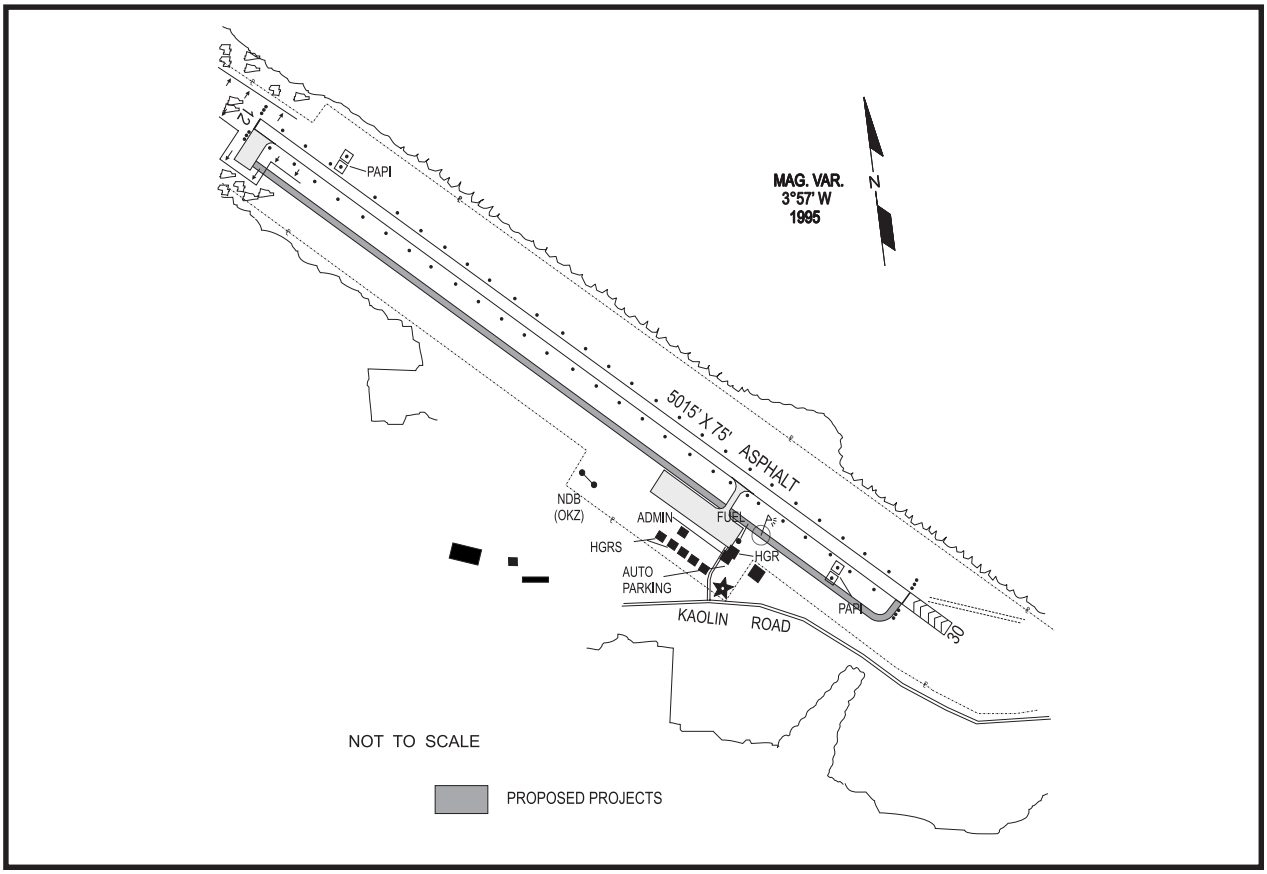
Airport Location

Kaolin Field is located in Washington County in east-central Georgia approximately 30 miles southeast of Milledgeville, 37 miles northeast of Dublin and 62 miles southwest of Augusta. The airport can be accessed from the north and south via Georgia Highway 15 and from the east and west via Georgia Highway 24. Other highways in the vicinity include Georgia Highways 68 and 88.

The airport, situated on 105 acres, is owned and operated by Washington County. The airport accommodates a variety of aviation related activities that include recreational flying, agricultural spraying, corporate/business jets, and experimental aircraft.







Existing Facilities

Kaolin Field has one runway, Runway 12/30, 5,015 feet long by 75 feet wide with medium-intensity runway lighting (MIRL), precision approach path indicators (PAPI), and a stub turnaround on Runway 12. The airport has a rotating beacon, a segmented circle, wind cone, non-directional beacon, and an automated weather observation system (AWOS-A). The airport has a NDB or GPS approach to Runway 12.

Current landside facilities and services include a full service FBO with limited maintenance services, a fuel concession that provides AvGas, and a 1,000 square foot terminal/administration building. There are 40 auto parking spaces, 25 apron parking spaces, and 10 hangar spaces.

Current and Forecast Demand

A review of the airport's historic demand levels shows that based aircraft decreased from 16 in 1990 to a current level of 14. By 2021, the airport's based aircraft are expected to reach 16. The airport has approximately 10,150 annual aircraft takeoffs and landings divided between local and itinerant operations. This figure is projected to increase to 11,265 by 2021. By the end of the planning period, the airport is expected to reach 13% of its available annual operating capacity.

Kaolin Field	Current	2006	2011	2021
Based Aircraft	14	14	15	16
Operations	10,150	10,375	10,664	11,265
Local	4,060	4,150	4,265	4,506
Itinerant	6,090	6,225	6,398	6,759
Enplanements	N/A	N/A	N/A	N/A
Demand/Capacity Ratio	12%	12%	13%	13%

Airport Facility and Service Needs

The Kaolin Field has been classified a Level II airport and should provide appropriate facilities and services commensurate with its system role. Airport improvements identified in the System Plan include:

- Widening runway 25 feet
- Construct full parallel taxiway
- Install MITL
- Provide 500 square feet of additional terminal/admin space
- Have rental cars available

The following table summarizes current facilities and services, the airport's facility and service objectives, and actions/ projects needed for the Kaolin Field to meet these objectives.

FACILITY AND SERVICE OBJECTIVES Level II

Sandersville-Kaolin Field-OKZ

	EXISTING	SYSTEM OBJECTIVE	RECOMMENDED
Airside Facilities			
Runway Length (Rwy 12/30)	5,015	5,000 feet	None
Runway Width	75	100 feet	Widen 25 feet
Taxiway Type	Turnaround	Full Parallel	Full Parallel
Approach	Non-Precision	Non-Precision	None
Lighting- Runway	MIRL	MIRL	None
Lighting- Taxiway	None	MITL	MITL
NAVAIDS	Rotating Beacon	Rotating Beacon	None
NAVAIDS	Segmented Circle	Segmented Circle	None
NAVAIDS	Wind Cone	Wind Cone	None
NAVAIDS	PAPI	PAPI	None
NAVAIDS	None	Other NAVAIDS as required for non-precision approach	None
Weather Reporting	AWOS-A	AWOS/ASOS	None
Ground Communications	Public Telephone	Public Telephone, GCO	None
General Aviation Landside Facilities			
Hangared Aircraft Storage	10 spaces	60% of based fleet	None
Apron Parking/Storage	25 spaces	40% of based aircraft plus additional 50% for transient aircraft	None
Terminal/Administrative	1,000 square feet	1,500 square feet minimum with amenities	Provide add'l 500 square feet
Auto Parking	40 spaces	One Space for each based aircraft, plus 50% for visitors/employees	None
Services			
FBO	Full service	Full service	None
Maintenance	Limited/Full service	Limited/Full service	None
Fuel	AvGas	AvGas	None
Fuel	None	Jet Fuel	As needed
Rental Cars	None	Available	Available

Other Recommendations

Additional actions or projects required for the Kaolin Field to meet Level II performance objectives:

- Update the Master Plan/ALP in Phase III (2012)

Development Costs

The accompanying table summarizes the estimated costs needed for Kaolin Field to meet each of the recommendations of the Georgia Aviation System Plan.

KAOLIN FIELD

Associated City	SANDERSVILLE
FAA Identifier	OKZ
Level	II

	Facility Objectives					Costs		
	Existing	**Objective**	**Facility Needs**			**Phase I**	**Phase II**	**Phase III**
Airfield								
Runway Length	5,015	5,000						
Runway Width	75	100	Widen existing runway 25 feet.					$877,625
Taxiway Type	Turnaround	5,015	Construct parallel taxiway.			$1,140,913		
Runway Lighting	MIRL	MIRL	Relocate existing MIRL			included		
Taxiway Lighting	None	MITL	Install MITL on parallel taxiway.			included		
Land Acquisition		8.0	Acre 8 acres for airfield development.			$20,800		
Earthwork			Moderate			$300,000		
Pavement Maintenance	100 PCI	>70 PCI						
Navigational Aids								
PAPI	Yes	PAPI						
Rotating Beacon	Yes	Rotating Beacon						
Segmented Circle	Yes	Segmented Circle						
Windcone	Yes	Windcone						
Weather	AWOS-A	ASOS/AWOS						
GCO/Phone	Phone	GCO/Phone						
Approach Lighting	None	N/A						
General Aviation Facilities								
			Phase I	*Phase II*	*Phase III*			
Hangar Storage	10	10						
Apron	25	10				$0	$0	$0
Auto Spaces	40	24				$0	$0	$0
Terminal Space	1,000	1,500		500		$0	$75,000	$0
Fuel		AvGas:Jet A as needed				$0	$0	$0
Planning/Environmental								
ALP Update	2002	Update every 10 years			1			$50,000
Environmental Assessment								
					Subtotal	$1,461,713	$75,000	$927,625

Total Estimated Cost **$ 2,464,338**

Note: It is assumed that non-precision GPS approaches and precision GPS approaches will be available in the near future. The cost associated with this technology resides in the aircraft. Therefore, additional equipment costs associated with providing future non-precision and precision approaches have not been estimated.