Sectional Chart Interpretation: Basic Symbols

Sectional Practice



soft

The circle symbol indicates an airport with a ____ surface



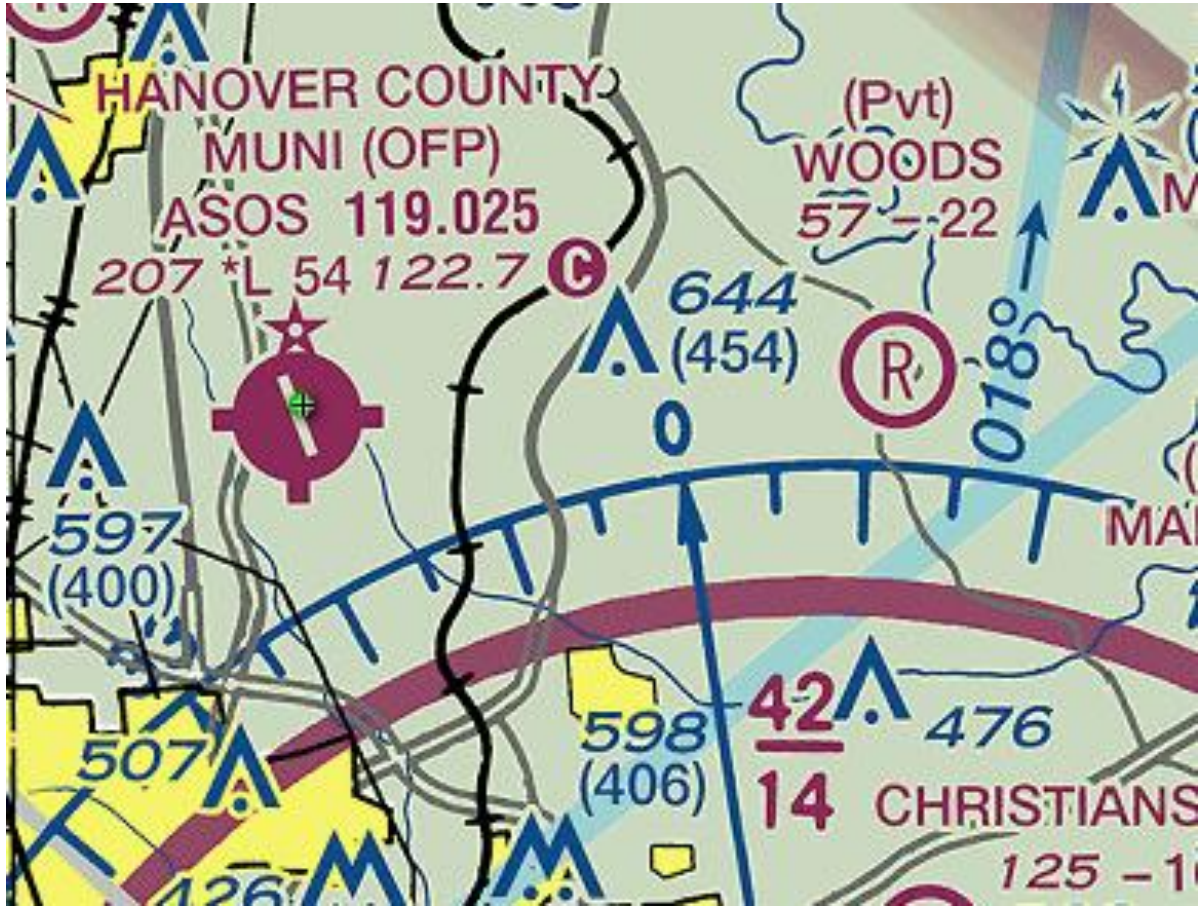
tower-controlled

Easton airport is colored blue because it is a ____-____ airfield



644

Directly East of Hanover County Airport is a tower. It extends up to ____ feet MSL



JGG

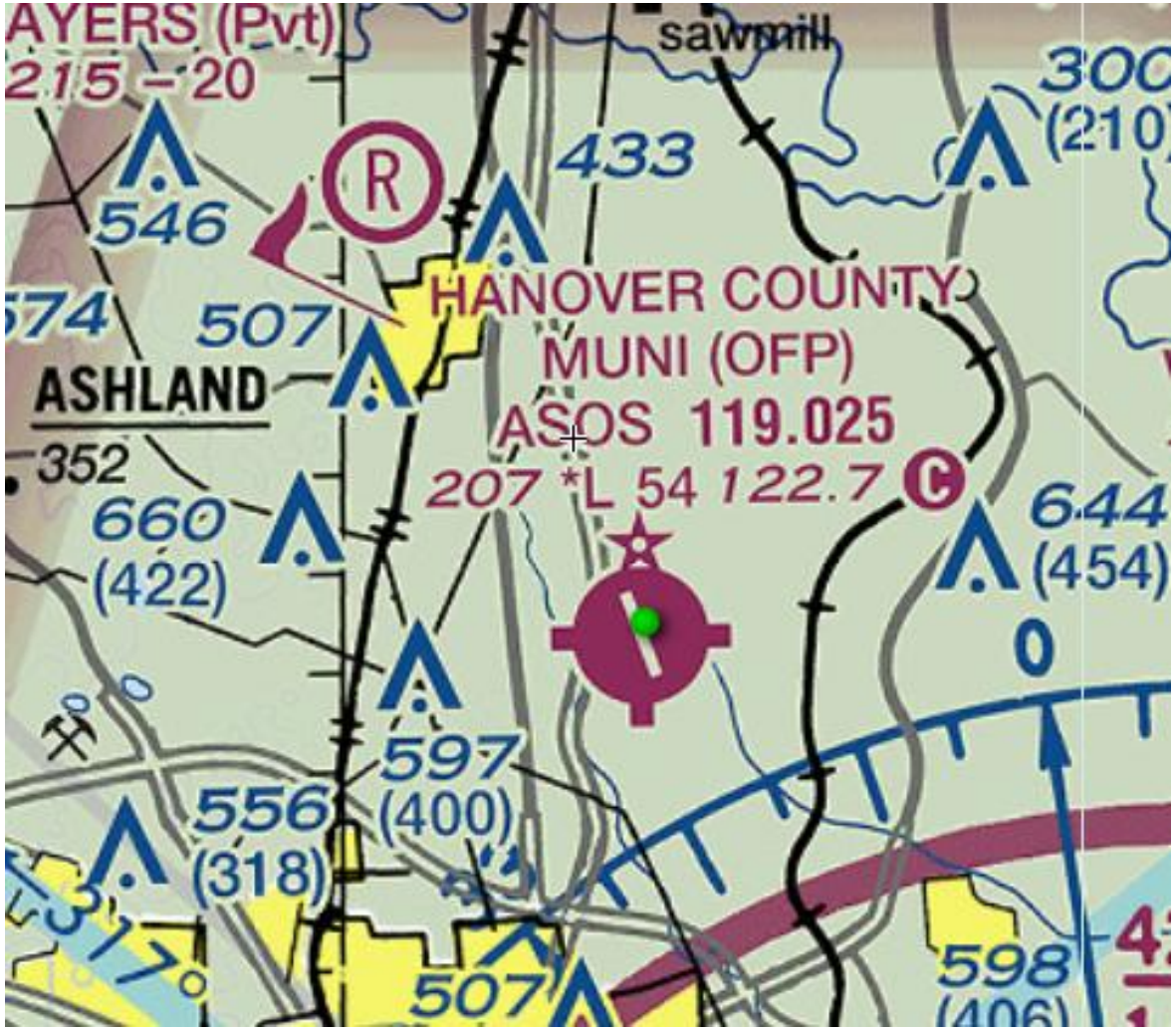
The three-character airfield identifier for Williamsburg-Jamestown airport is

— — —



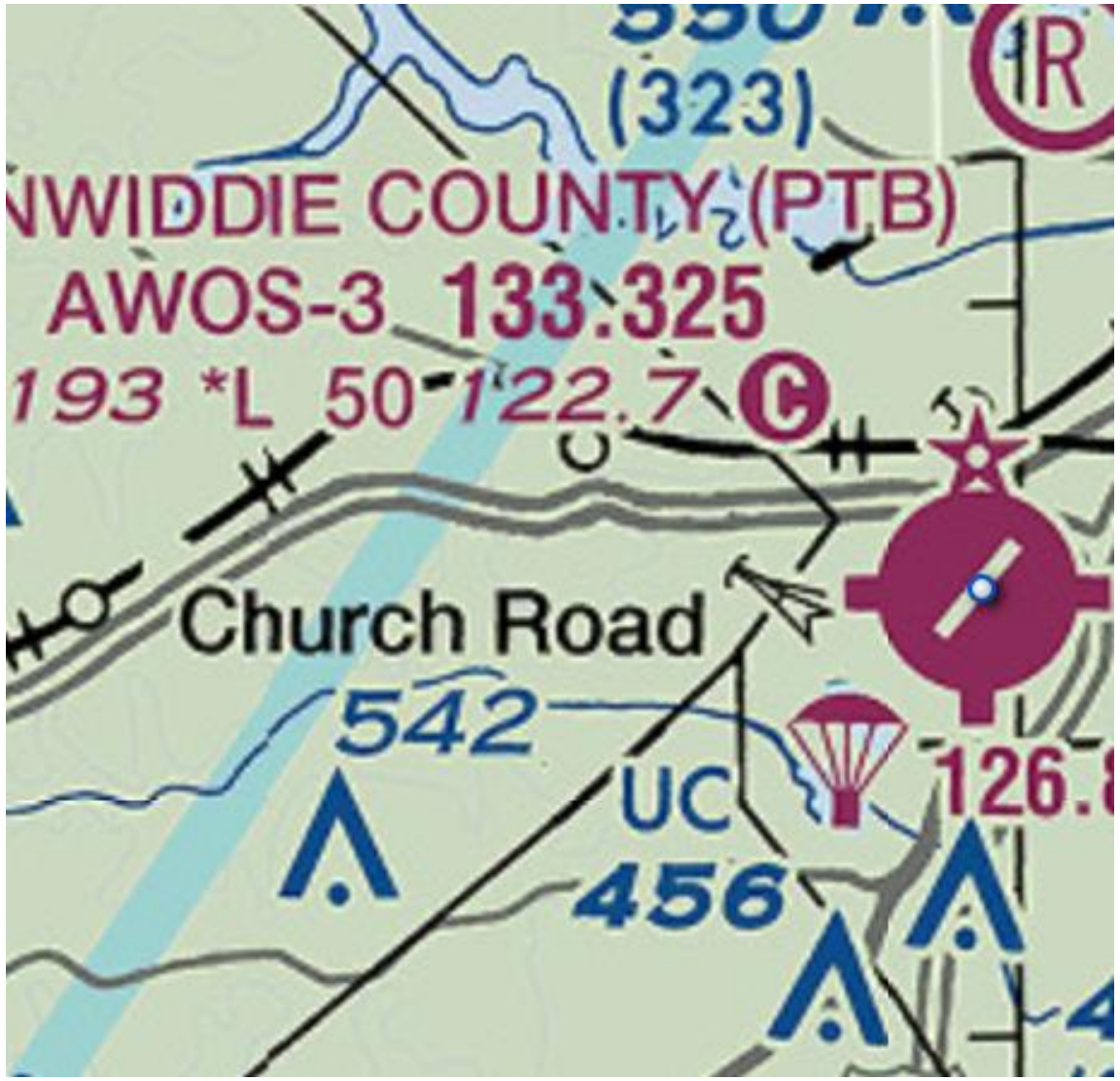
rotating beacon

The star symbol above the airport symbol indicates the airfield has a ____ ____



non-directional beacon

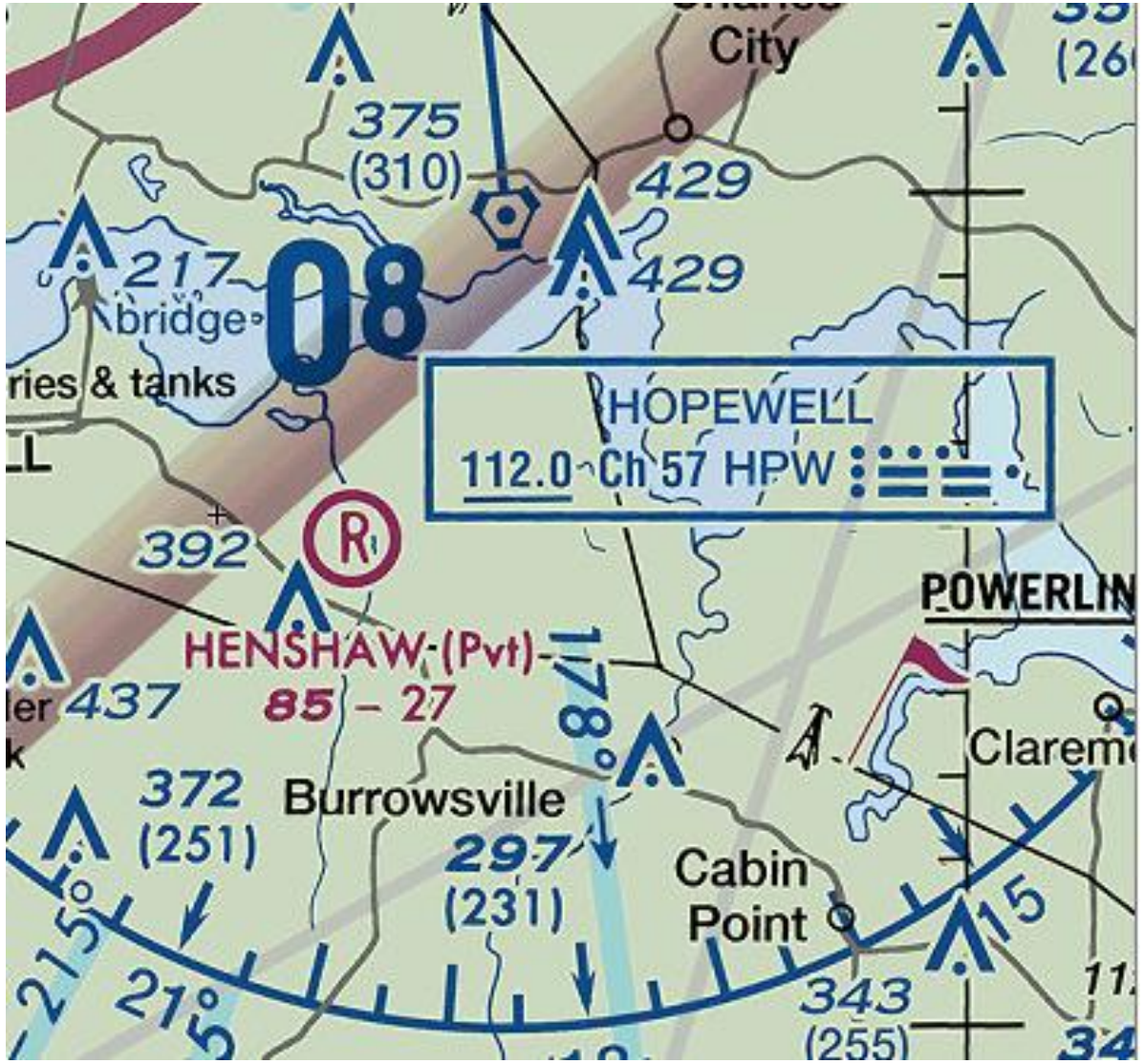
4 nm Southwest of Dinwiddie County airport a circular pattern of magenta dots marks a navigational aid known as a . . .



112.0

The VHF navigational frequency for the Hopewell VORTAC is

____



D

The dashed blue circle around this airfield indicates Class ____ airspace



non-tower

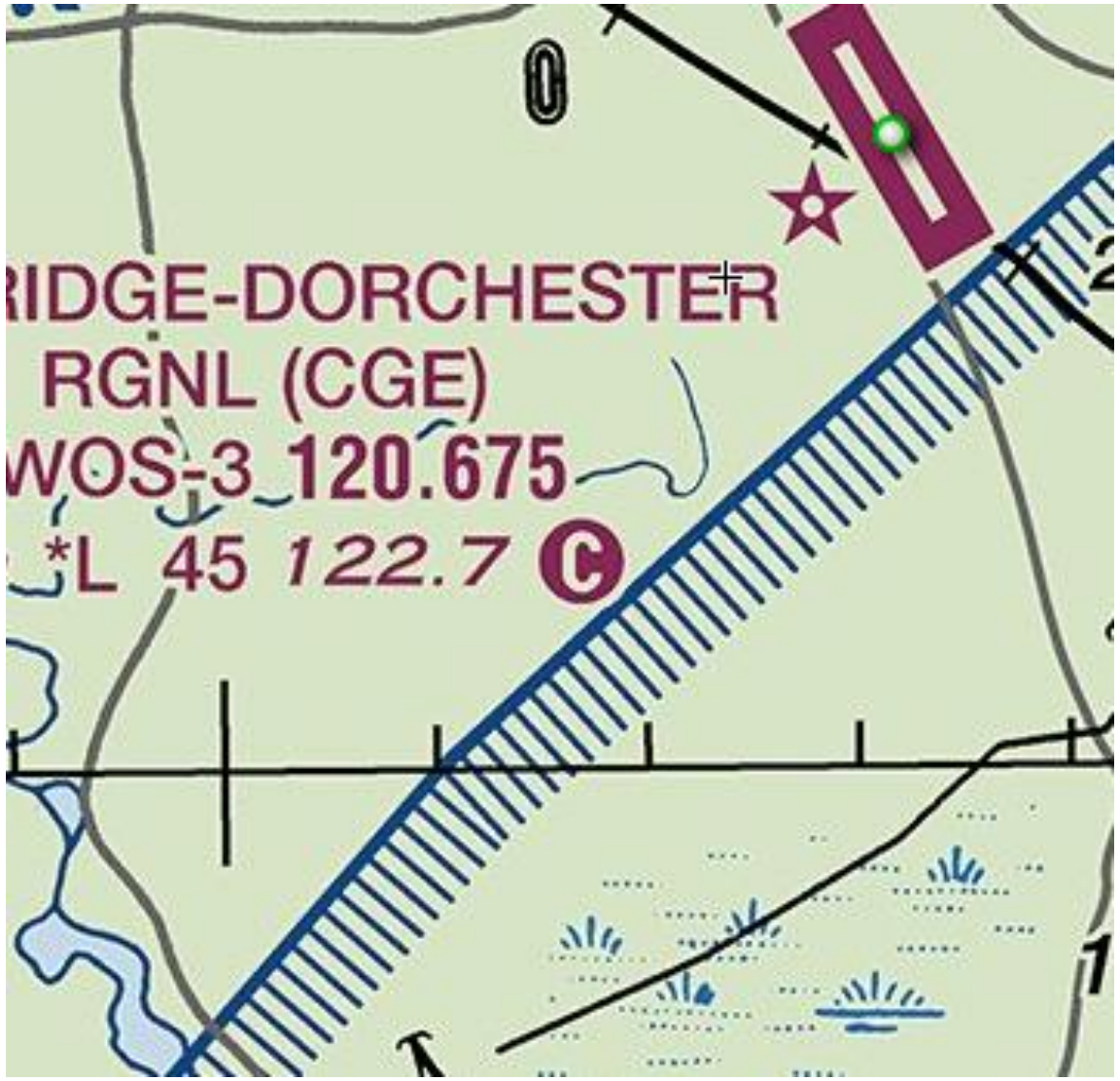
Cape May County airfield is colored magenta to indicate it is a ____ airfield

[non-tower] / [tower-controlled]



restricted

The blue hatched boundary immediately Southeast of Cambridge airport indicates a ____ area



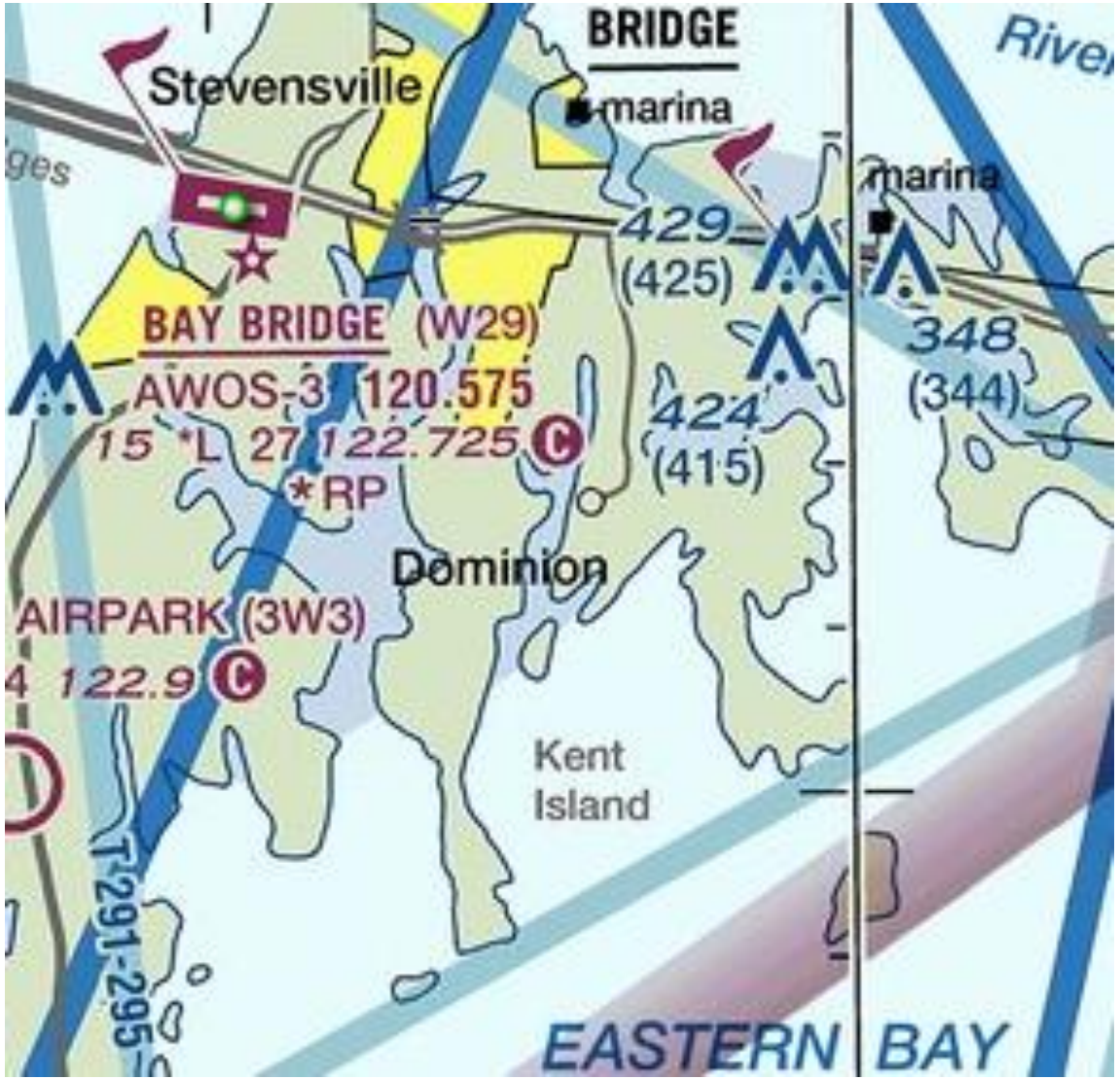
railroad track

The sectional chart shows a _____ running next to the small town of Taneytown



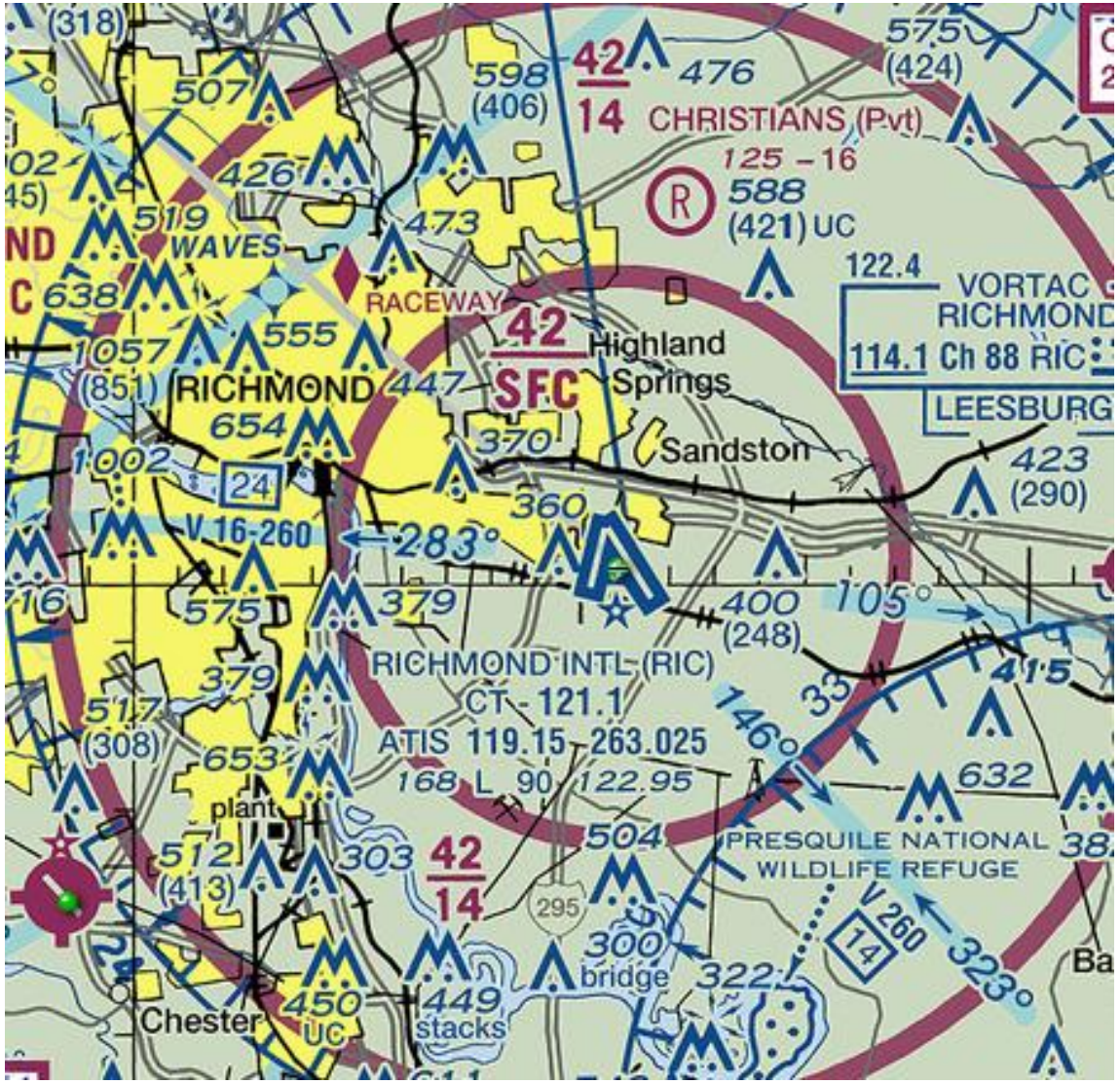
B

The airspace with a solid blue boundary and altitude limits of 4500 feet (floor) and 10,000 feet (ceiling) is Class ____ Airspace



C

The airspace with a solid magenta boundary is Class ____ Airspace



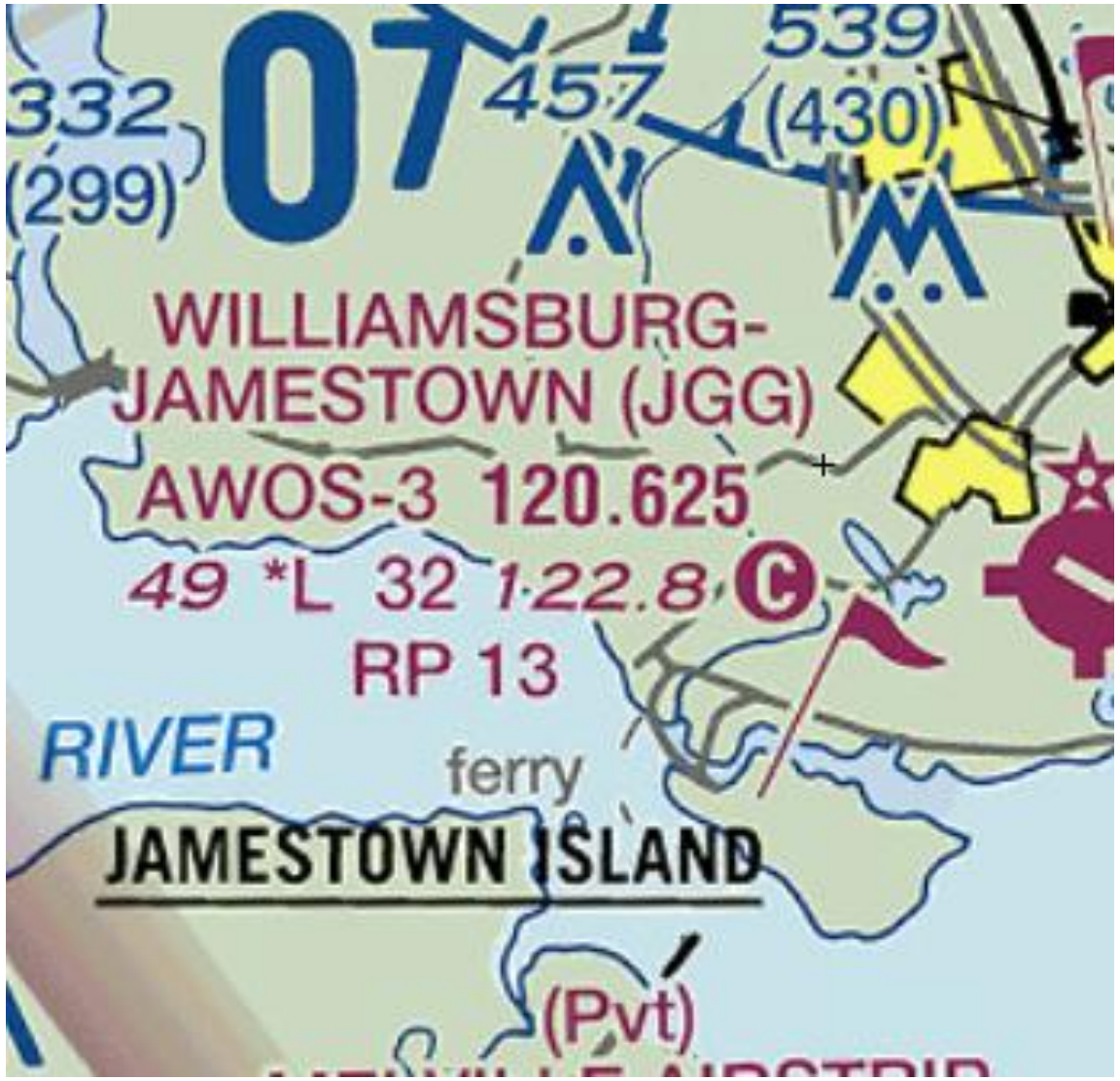
VOR

The white colored dot inside the airport/runways symbols for Richmond International indicates a _____ is located on the airfield property.



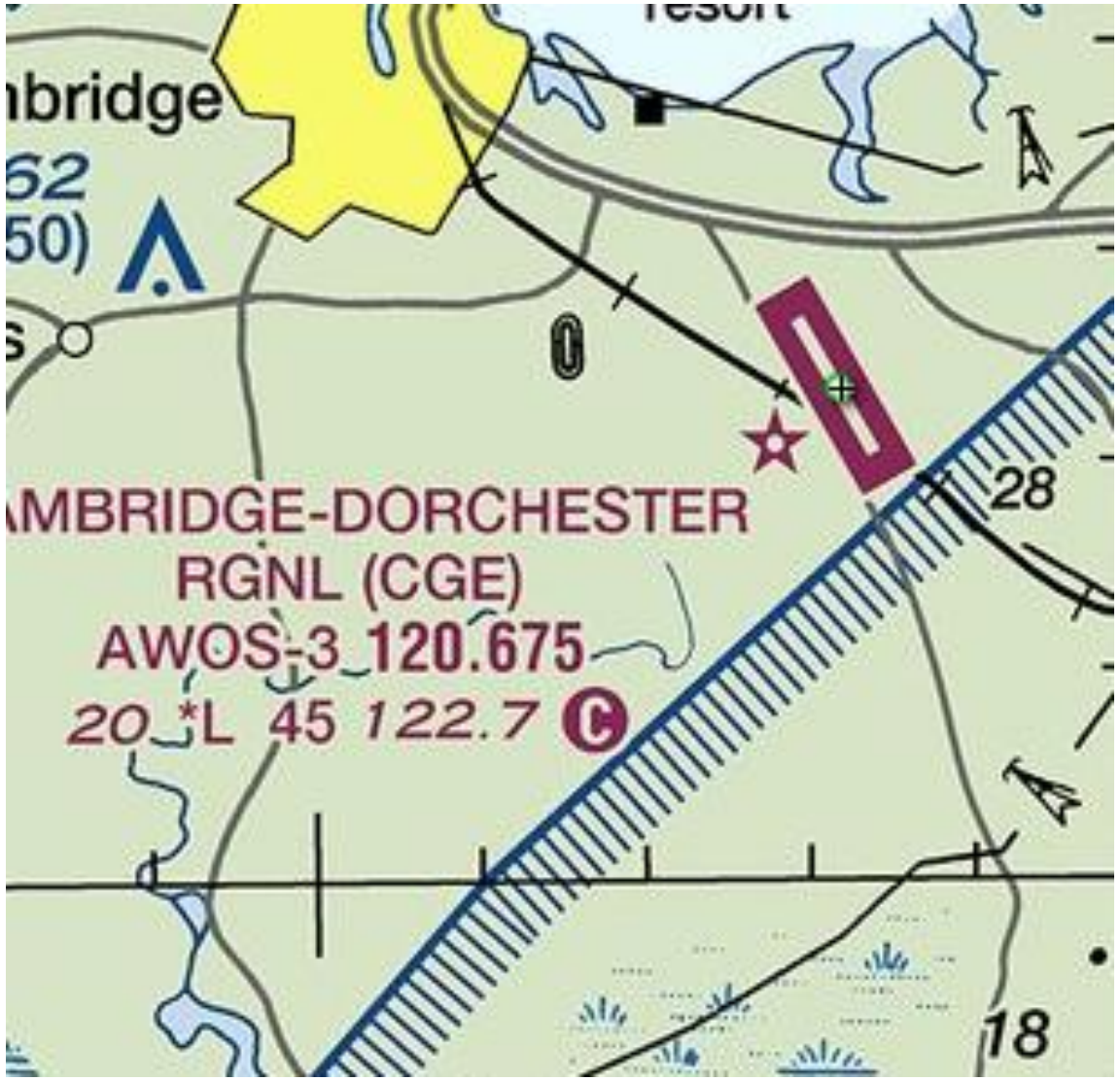
3200

The longest runway available at Williamsburg-Jamestown airport is _____ feet long



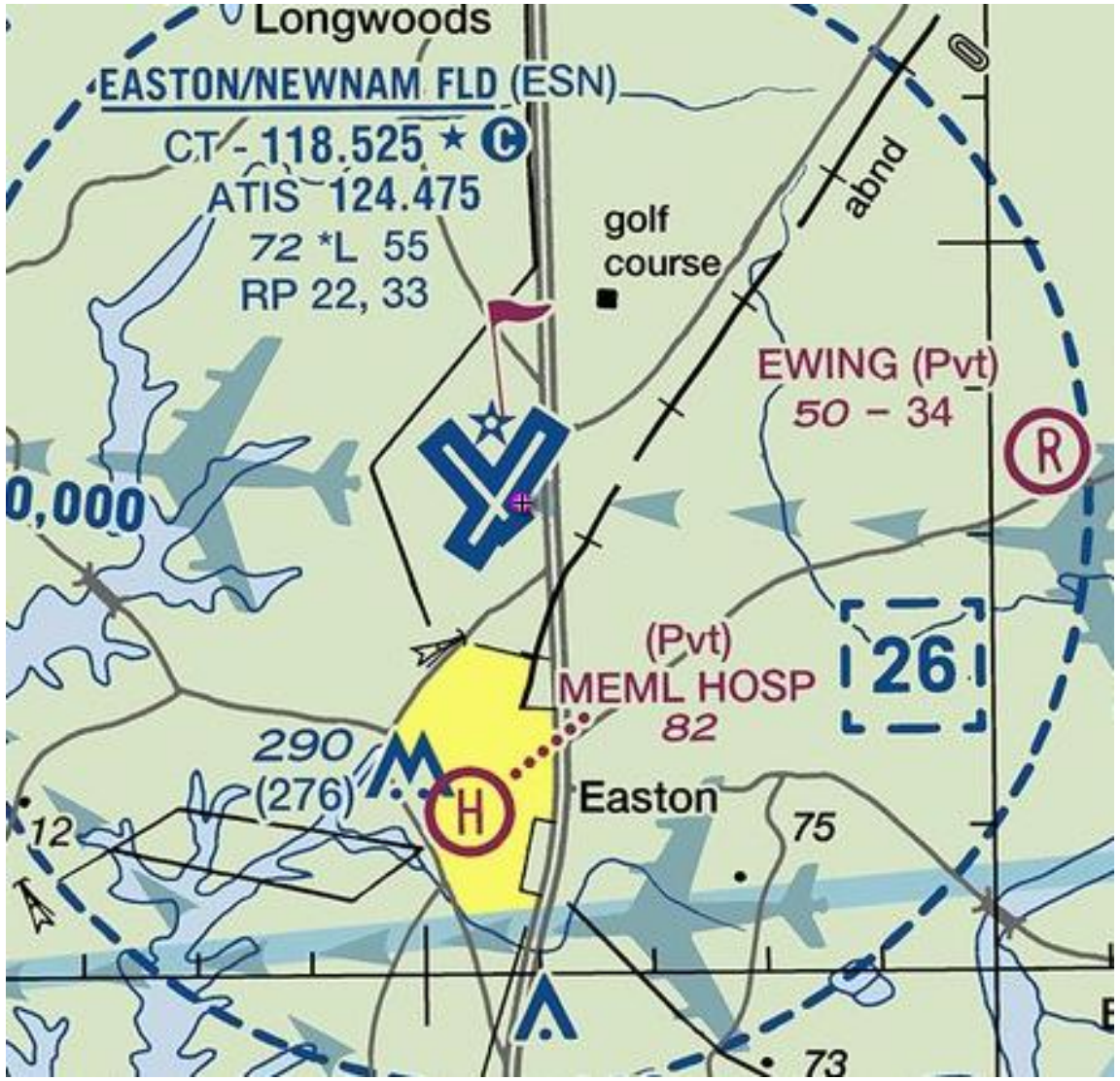
20

The field elevation at Cambridge-Dorchester airport is ____ feet MSL



2600

Class D airspace at Easton airport extends from the surface up to and including ____ feet MSL



are not available

The lack of tick marks around the symbol for Gordonsville Airport (GVE) indicates maintenance and fuel . . .

Choose [are available]/ [are not available]



are available

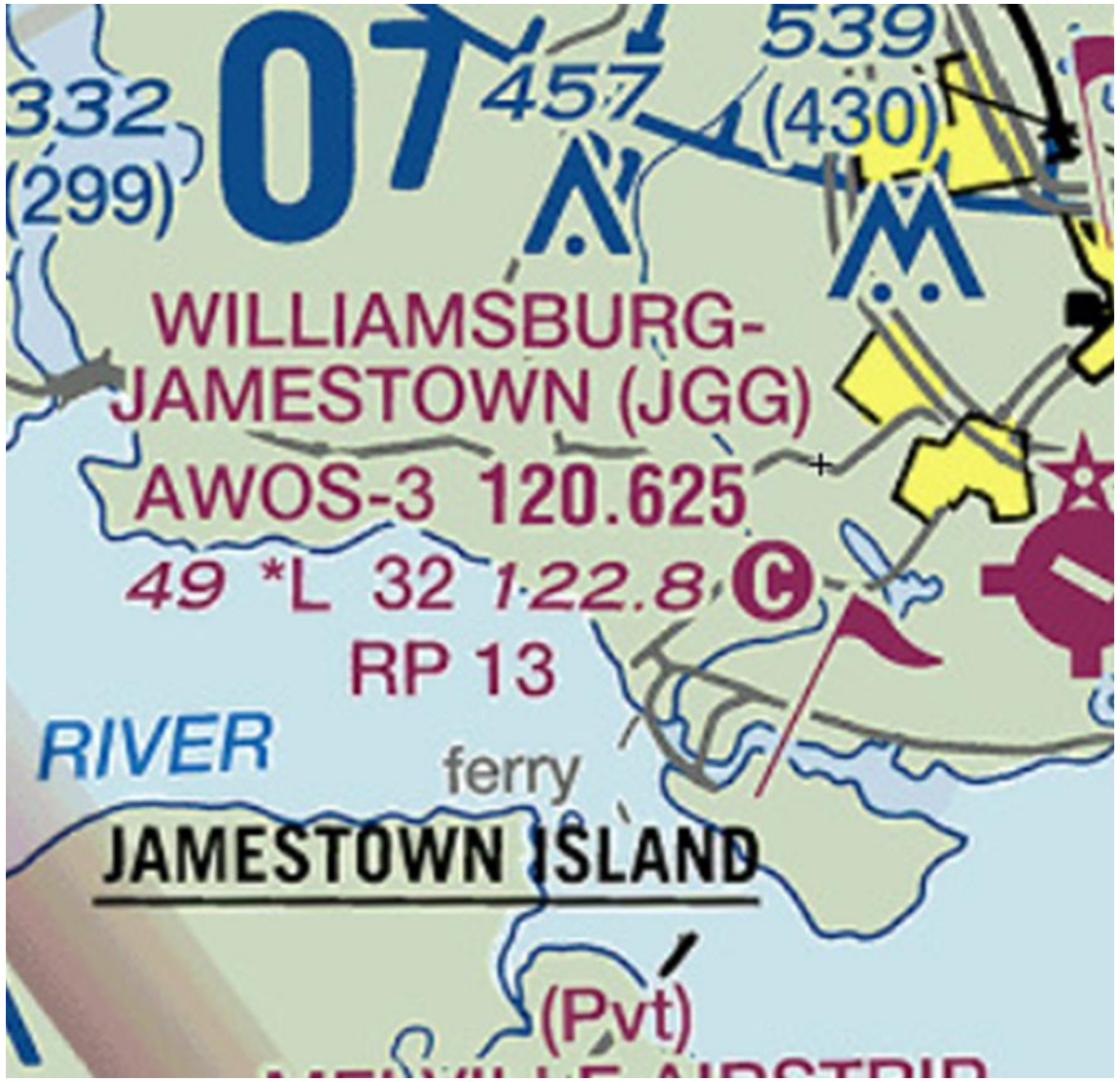
The tick marks around the symbol for Orange County airport (OMH) indicates maintenance and fuel services ____ available

Choose [are available]/ [are not available]



122.8

The Common Traffic Advisory Frequency (CTAF) at Williamsburg airport is ____



parachute

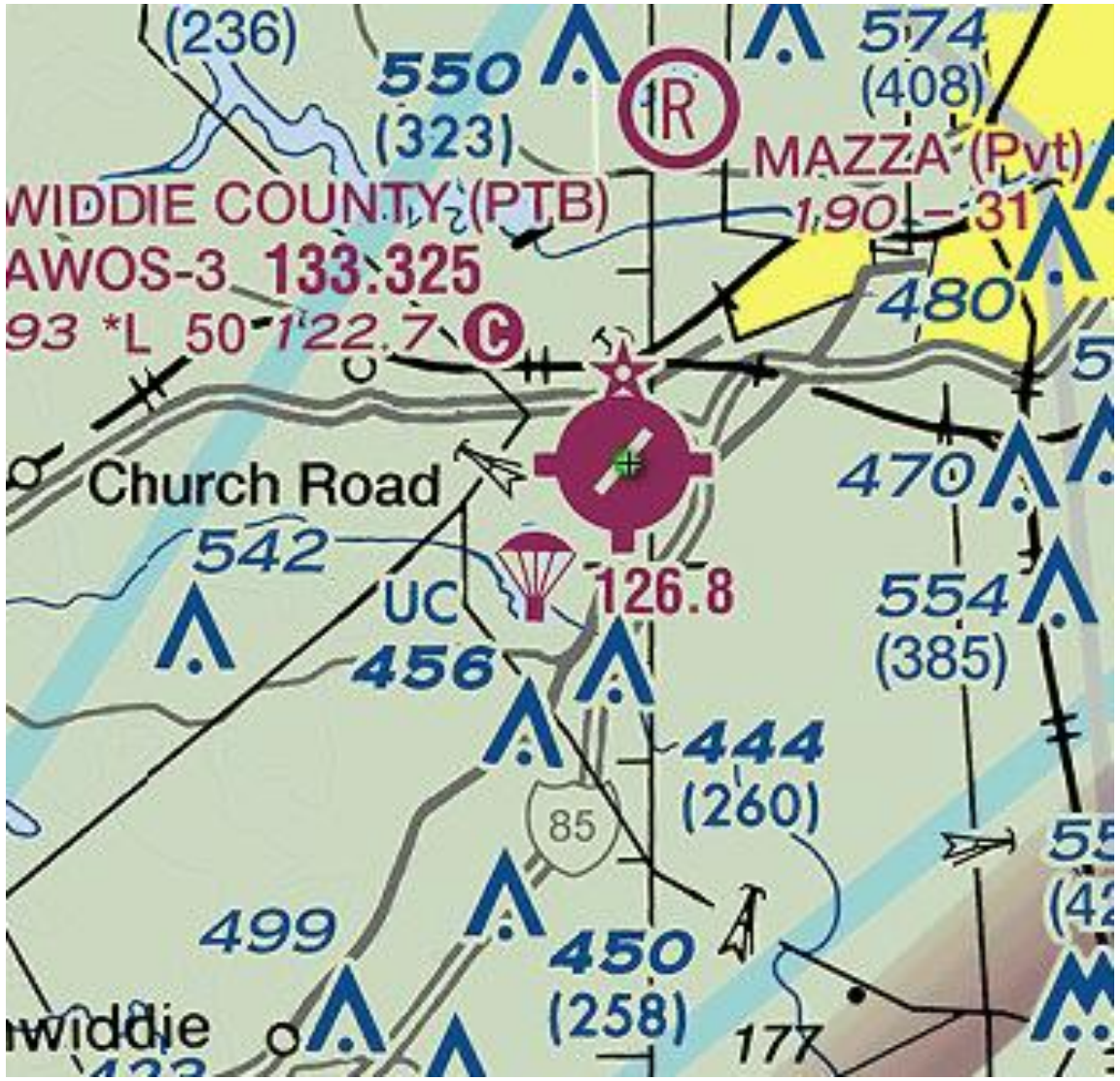
The symbol just SouthWest of Orange Country airport indicate _____ activity occurs at the airfield.



133.325

The frequency to receive the automatic weather observation at KPTB airport is

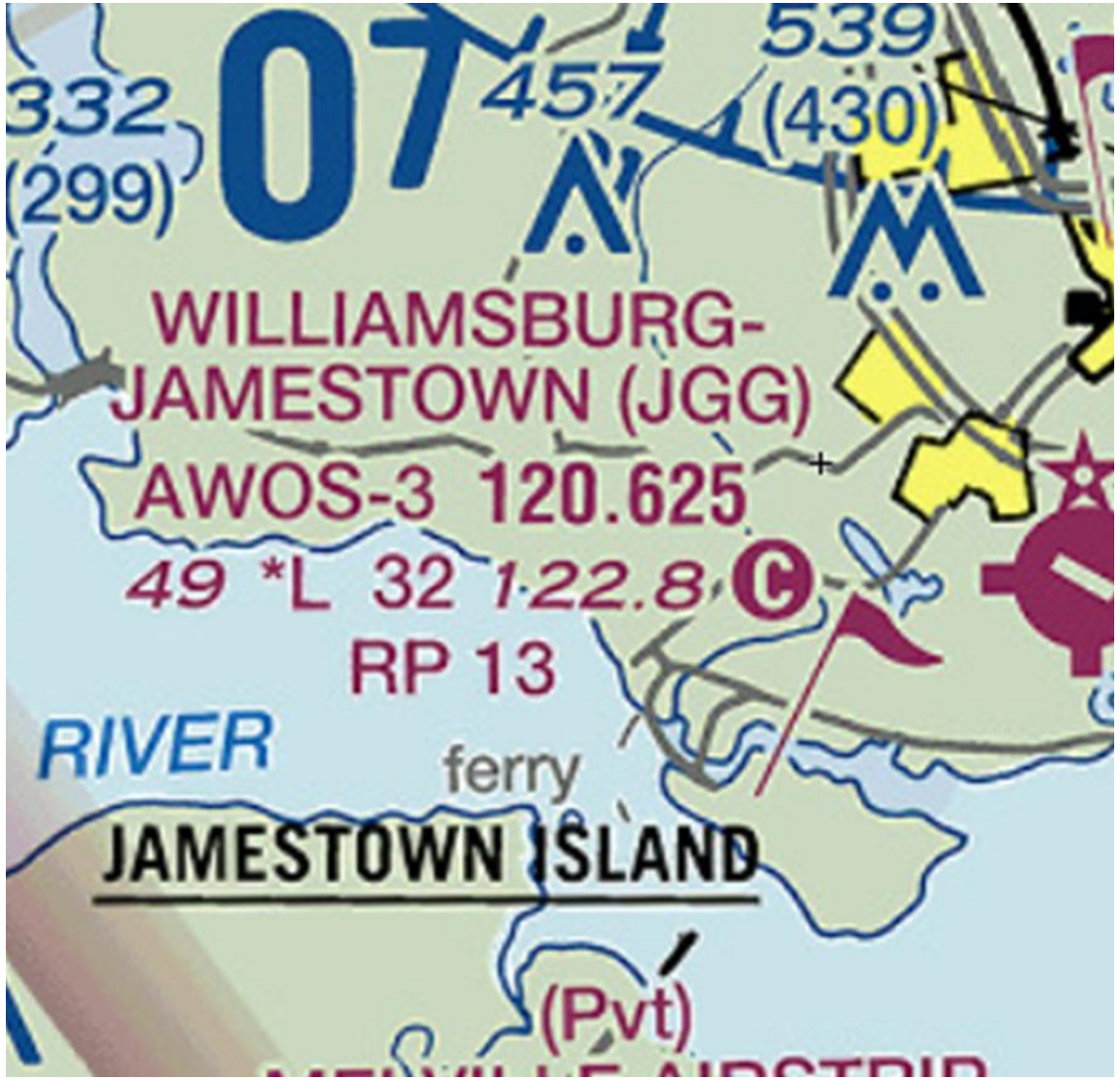
____



not continuous

Runway lighting is indicated by either L or *L in the airport data. At night, the runway at Williamsburg Airport has . . .

Choose [no lighting]/ [not continuous lighting]



continuous

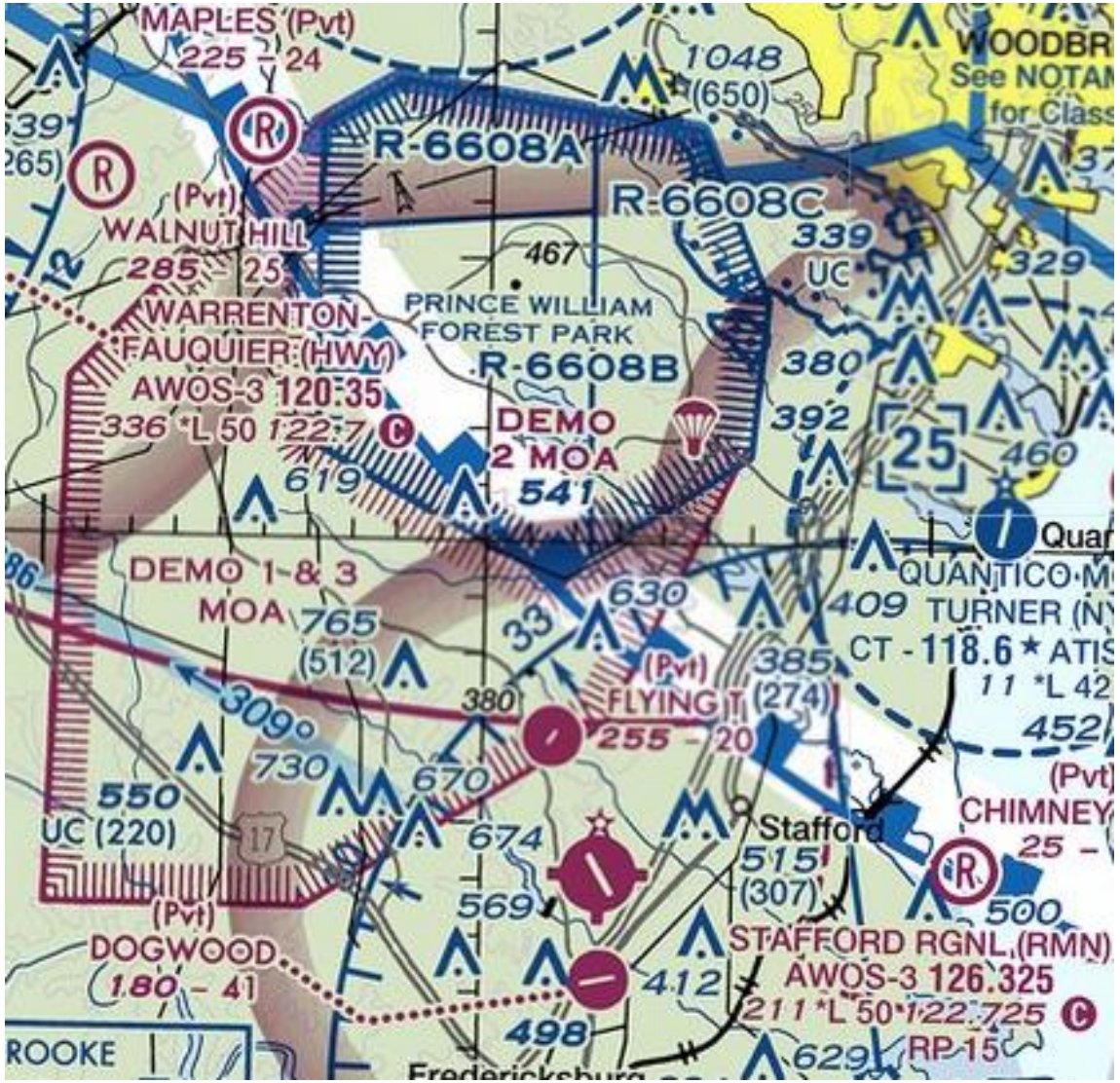
Runway lighting is indicated by L or *L in the airport data. At night, runway lights at Potomac Airfield and Hyde Airfield are . . .

Choose [continuous] / [not continuous]



Military Operations Area

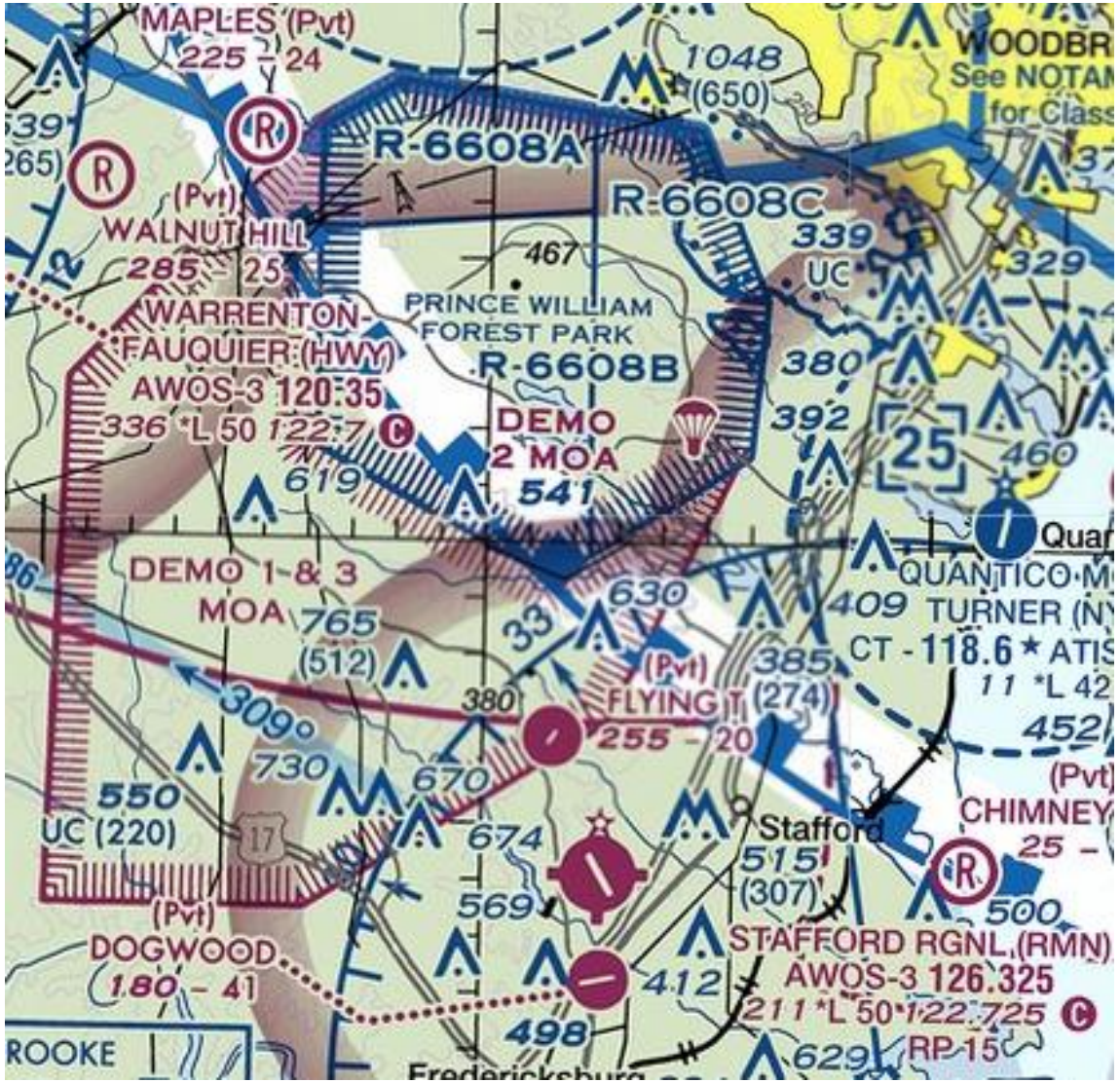
The airspace to the NorthWest of Stafford airport has a magneta hatched boundary. This indicates it is a _____ _____ Area.



right

(Note: this chart excerpt is old. KRMN is now left traffic for 15 and 33.)

The magenta text "RP15 indicates a ____ traffic pattern for runway 15 at Stafford



right

Potomac Airfield has runway orientation 6-24. The chart data indicates ____ traffic for runway 24

Choose [left] / [right]



2000

The blue text reading "-20" next to Manassas Regional Airport indicates that Class D airspace extends from the surface up to but not including ____ feet MSL



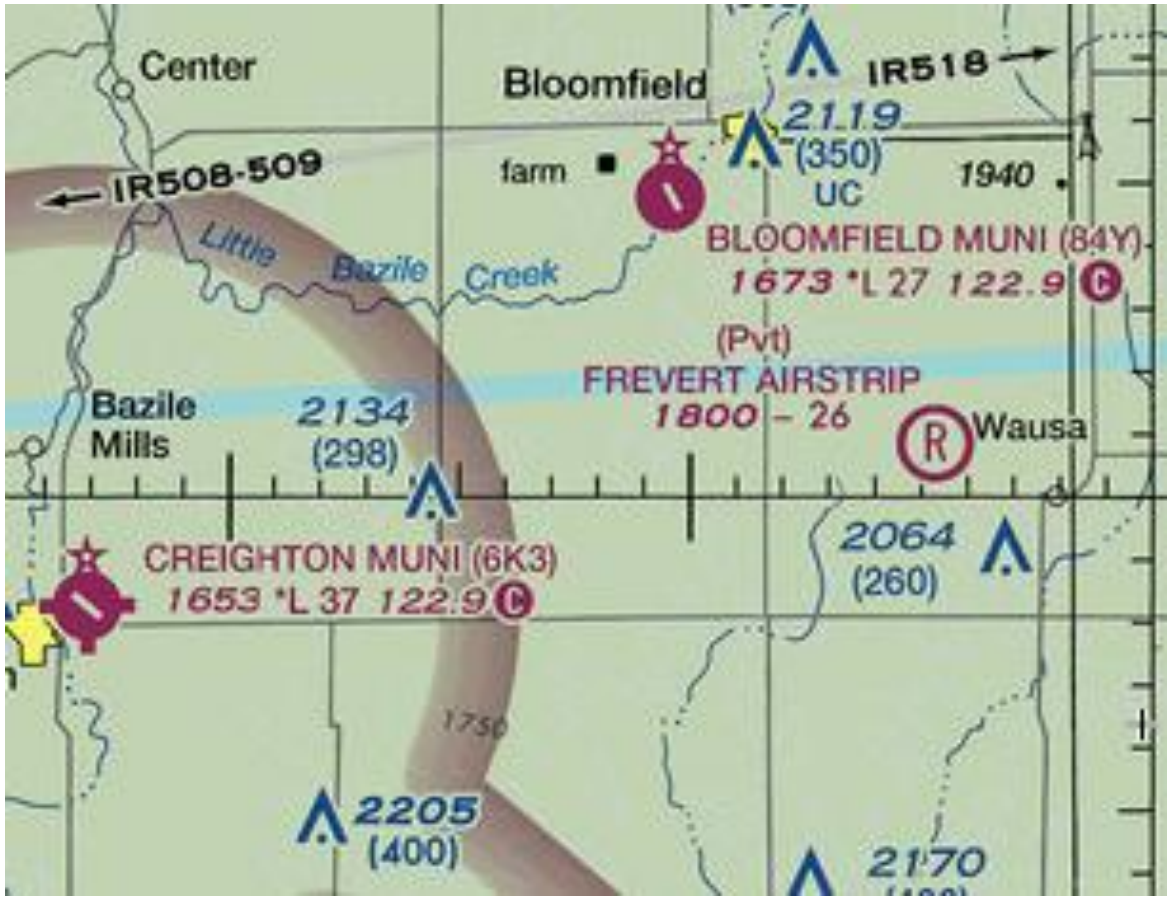
2500

The blue text reading "25" next to Quantico Marine Corps Air Station indicates Class D airspace extends from the surface up to and including ____ feet MSL



6K3

Which airport is a better choice for a fuel stop: 6K3 or 84Y?



quadrangle

The large blue "23“(MFE) figure indicates terrain and towers reach up almost to 2300 feet MSL within the ____



sunrise to sunset

Runway lights at Anita-Burke Airport shine . . .

Choose [sunrise to sunset] / [when activated]



hard

The runway surface at KGCT is ____

Choose [hard] / [soft]



119.025

To receive recorded weather information prior to landing at Front Range airport use frequency ____



133.1

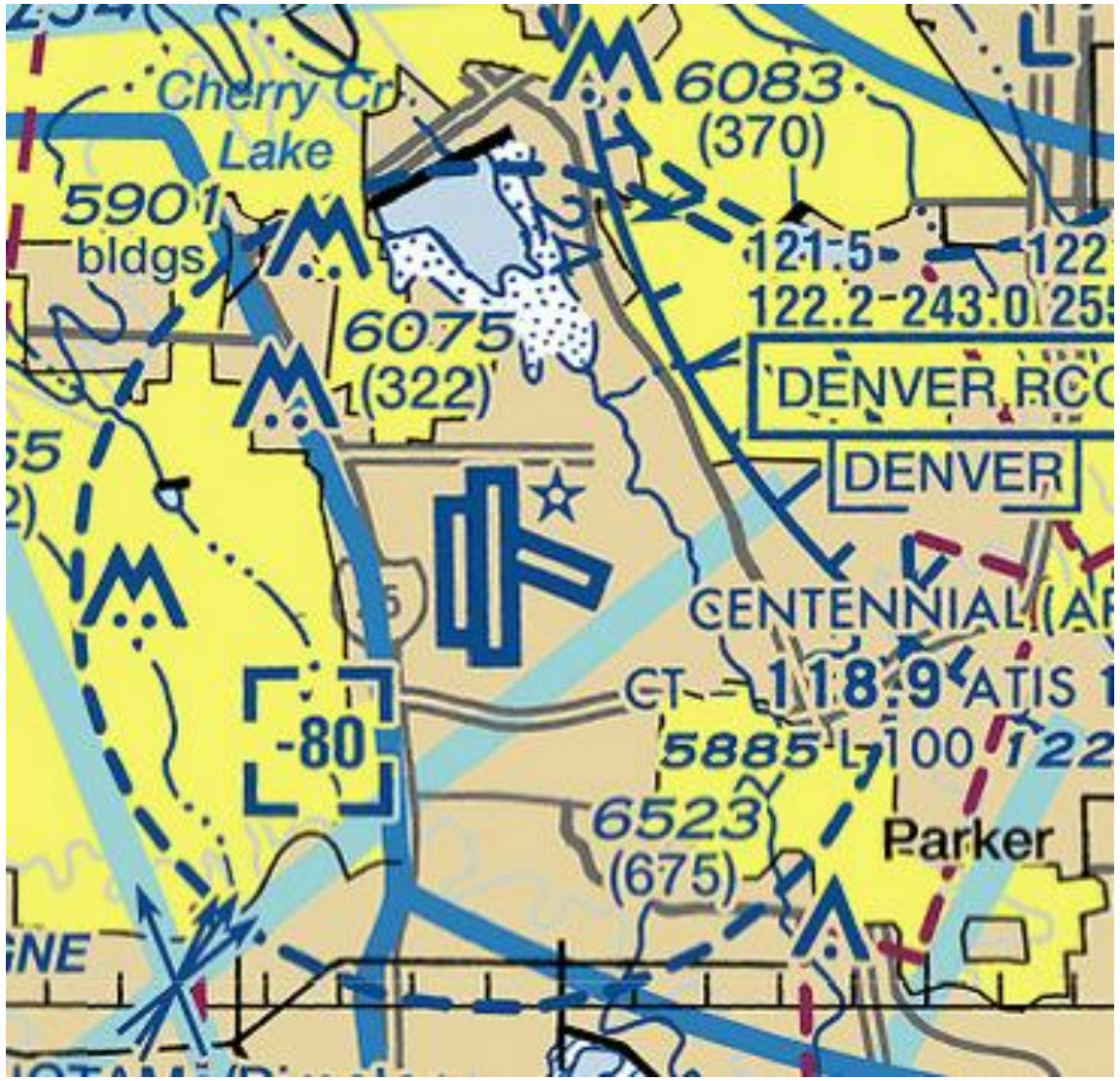
The control tower frequency for Manassas Tower is

____



D

An aircraft flying overhead Centennial Airport at 7800 feet MSL is flying in Class ____ Airspace



Black Forest

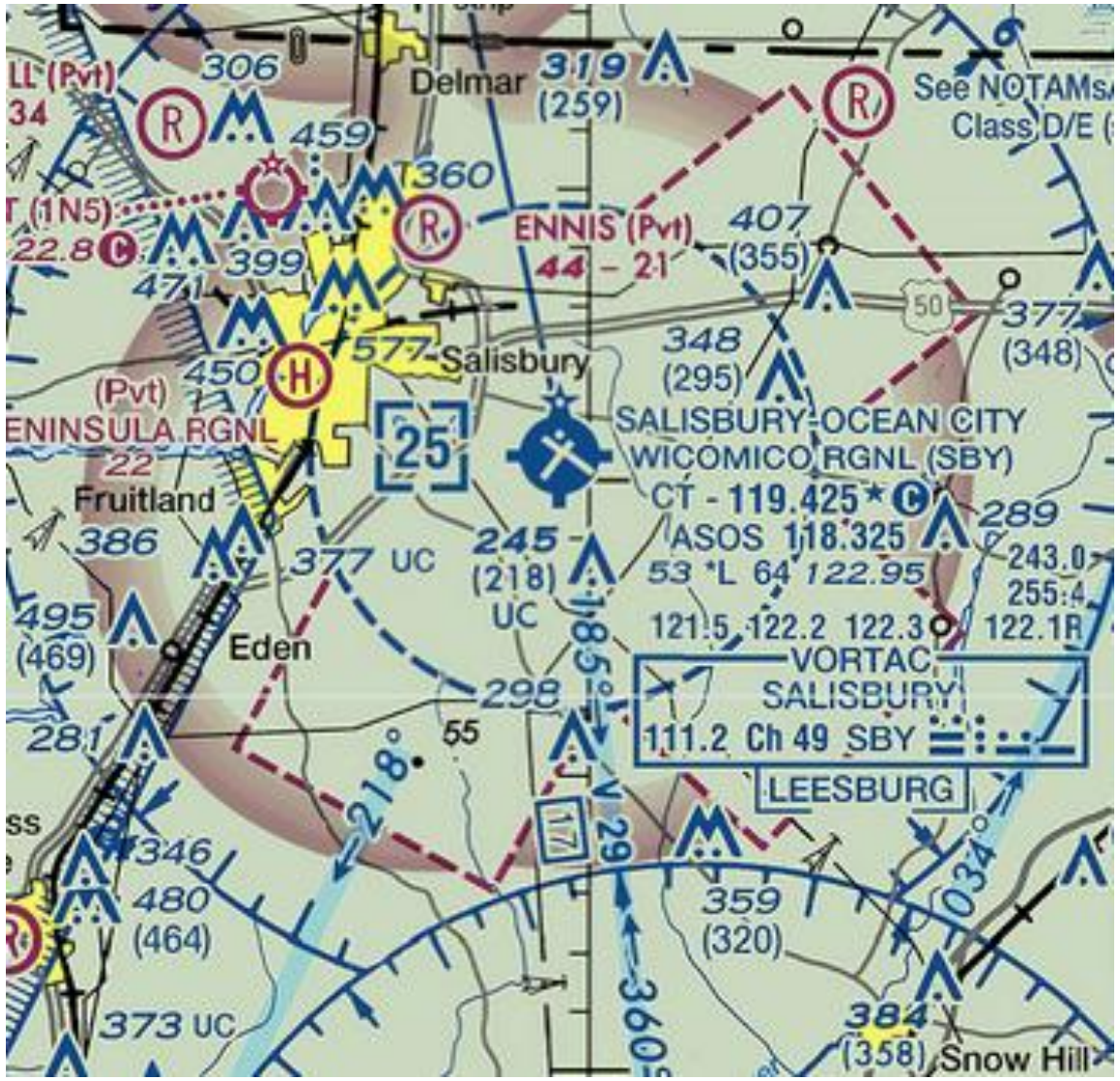
The graphic shows a hexagon at the center of a blue compass rose. This VOR is named . . .



Class E

An aircraft overhead Salisbury Airport at 4200 feet MSL is in ____ airspace

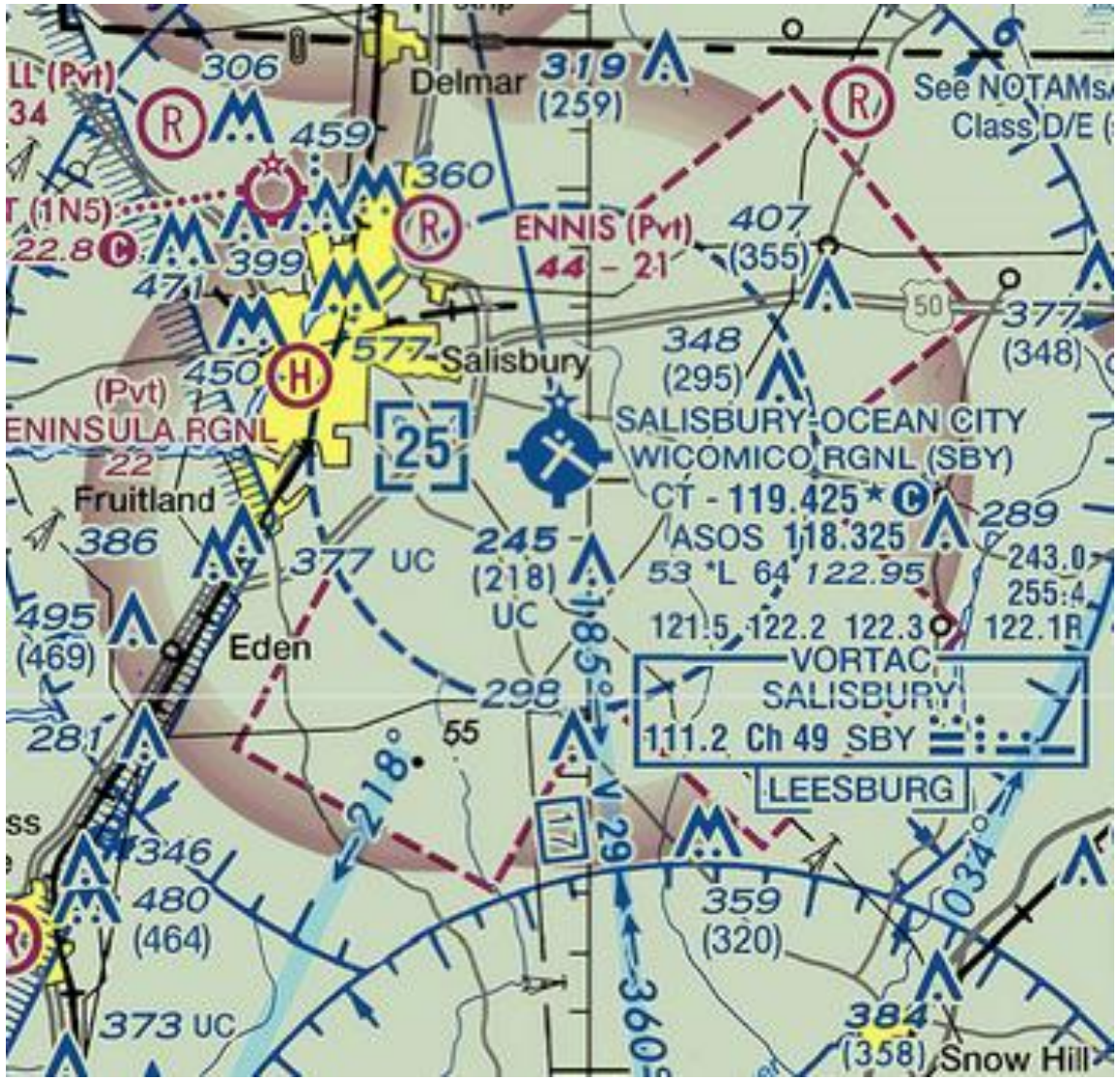
Choose [Class B] / [Class C] / [Class D] / [Class E]



0' AGL

The airspace extensions leading NE and SW from Salisbury Airport Class E airspace from ____ to 14,500 feet MSL

Choose [0' AGL] / [700’ AGL] / [1200' AGL]



TAC Chart

The white rectangle shown on this sectional chart indicates more detail for the enclosed area is shown on a

_____

Choose

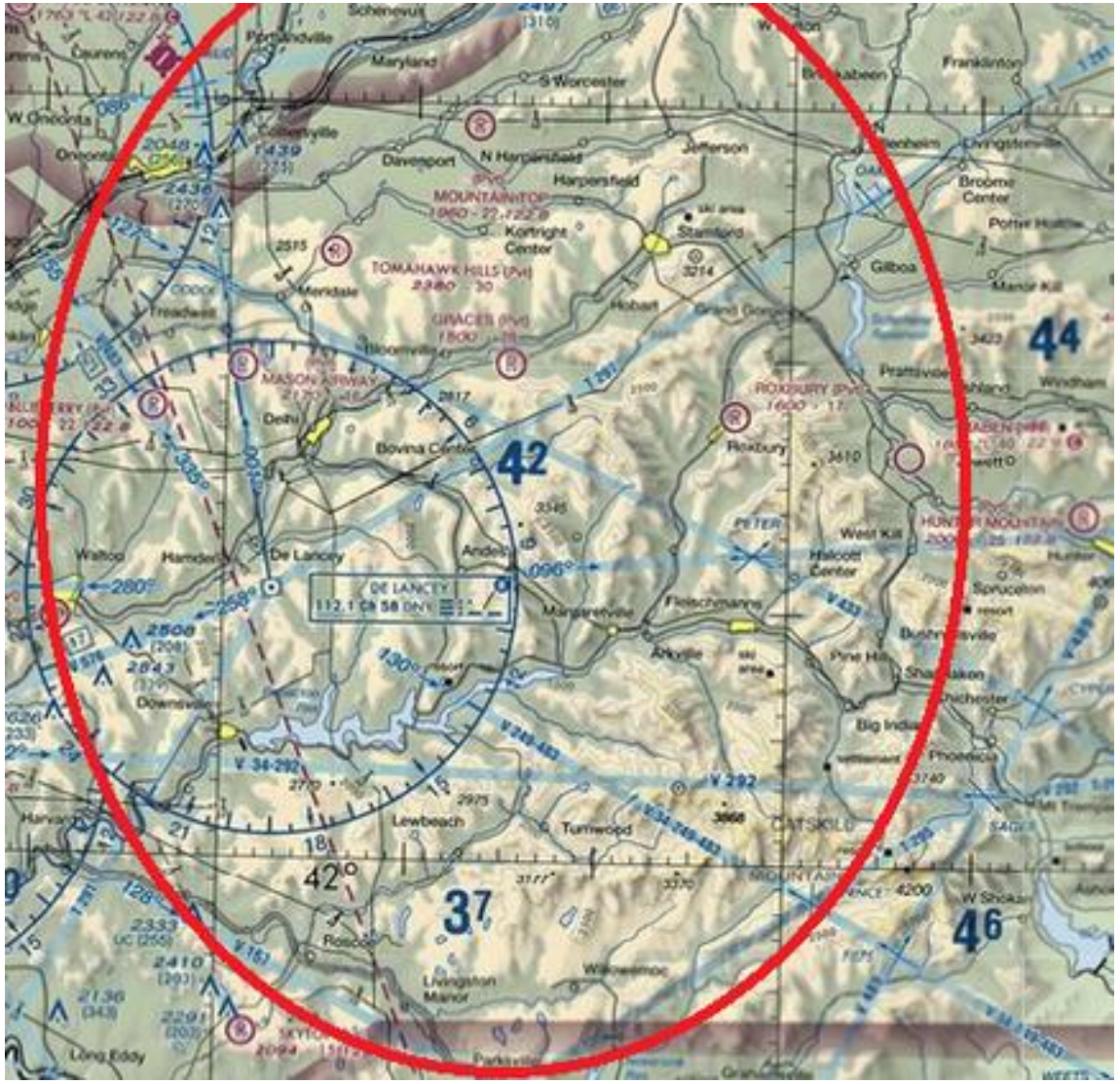
[TAC Chart] / [Class Chart] / [WAC Chart]



latitude

The bottom edge of the circled quadrangle marks 42 degrees North ____

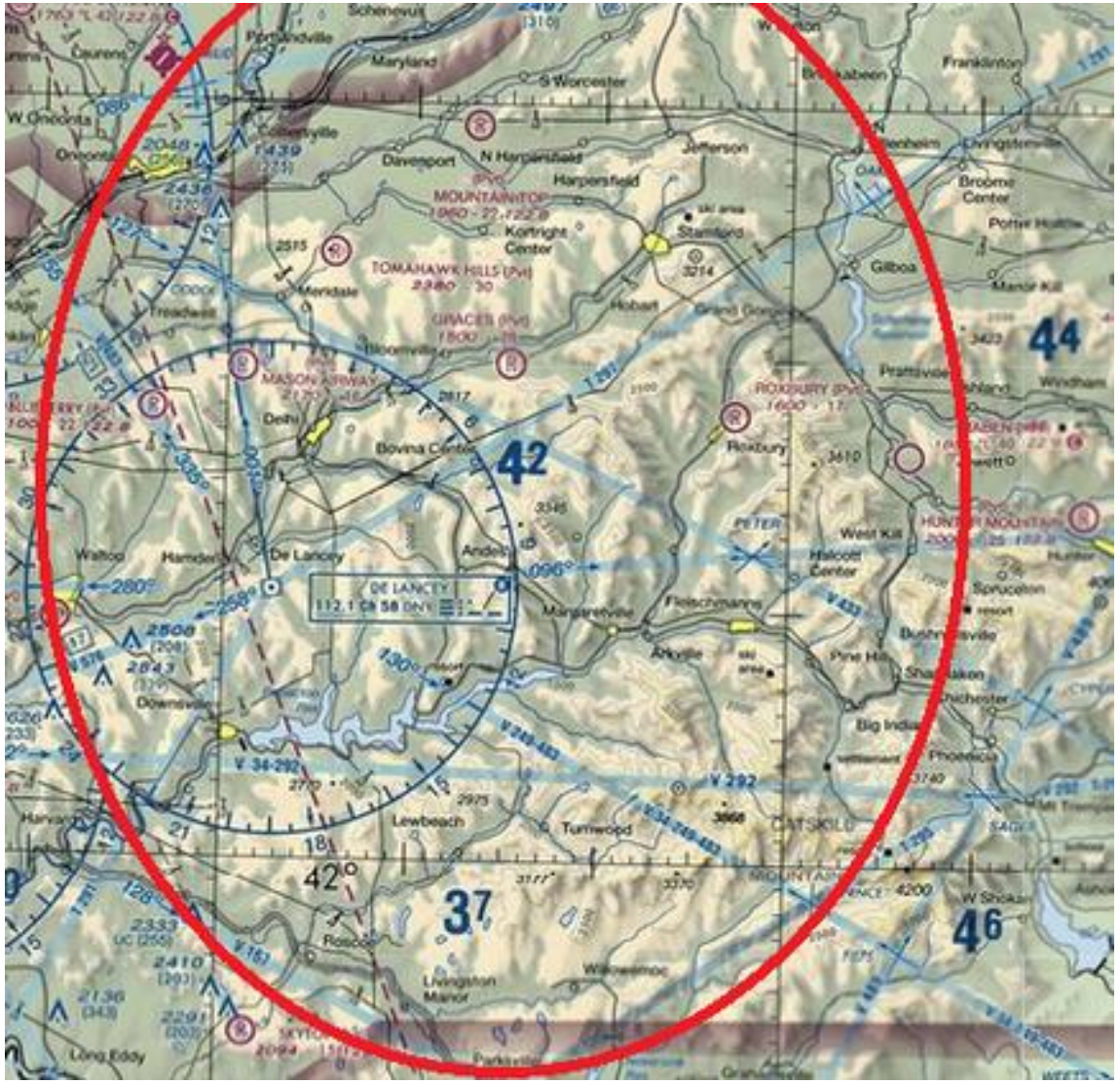
Choose [latitude] / [longitude]



yes

Is a 5,500 feet MSL cruise altitude high enough to clear all terrain and towers in the circled quadrangle?

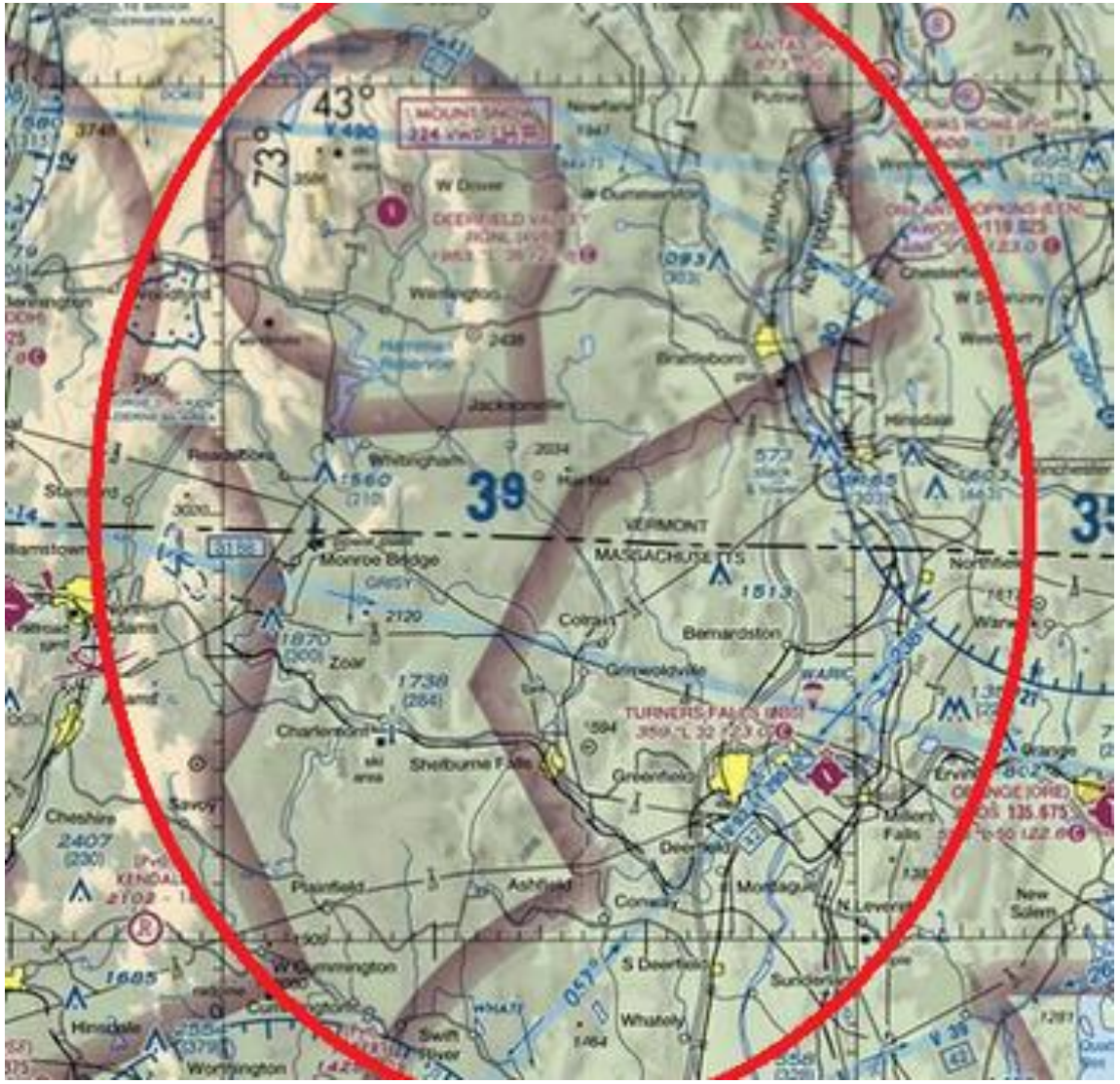
Choose [yes] or [no]



longitude

The left edge of the circled quadrangle marks 73 degrees East ____

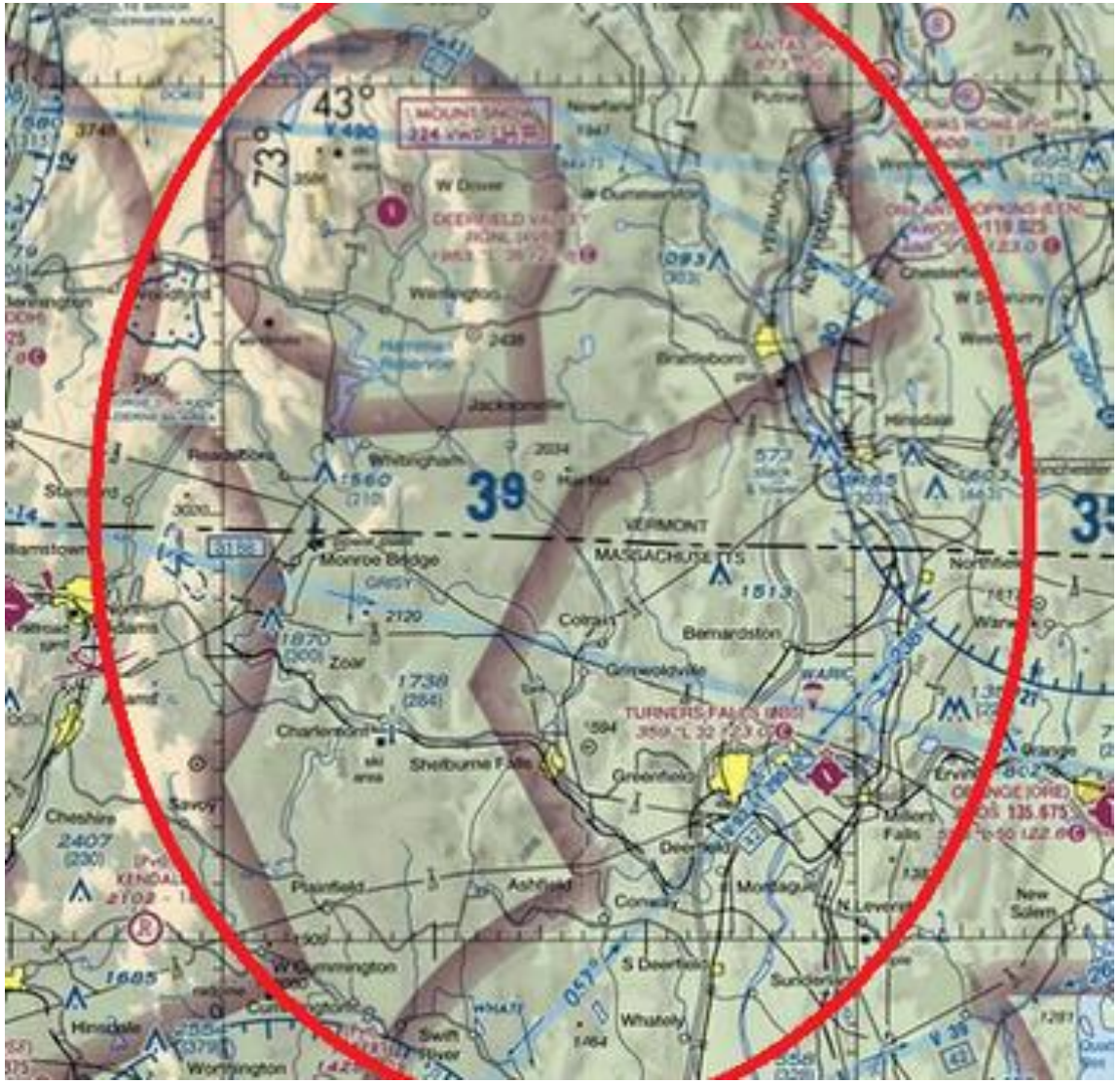
Choose [latitude] / [longitude]



no

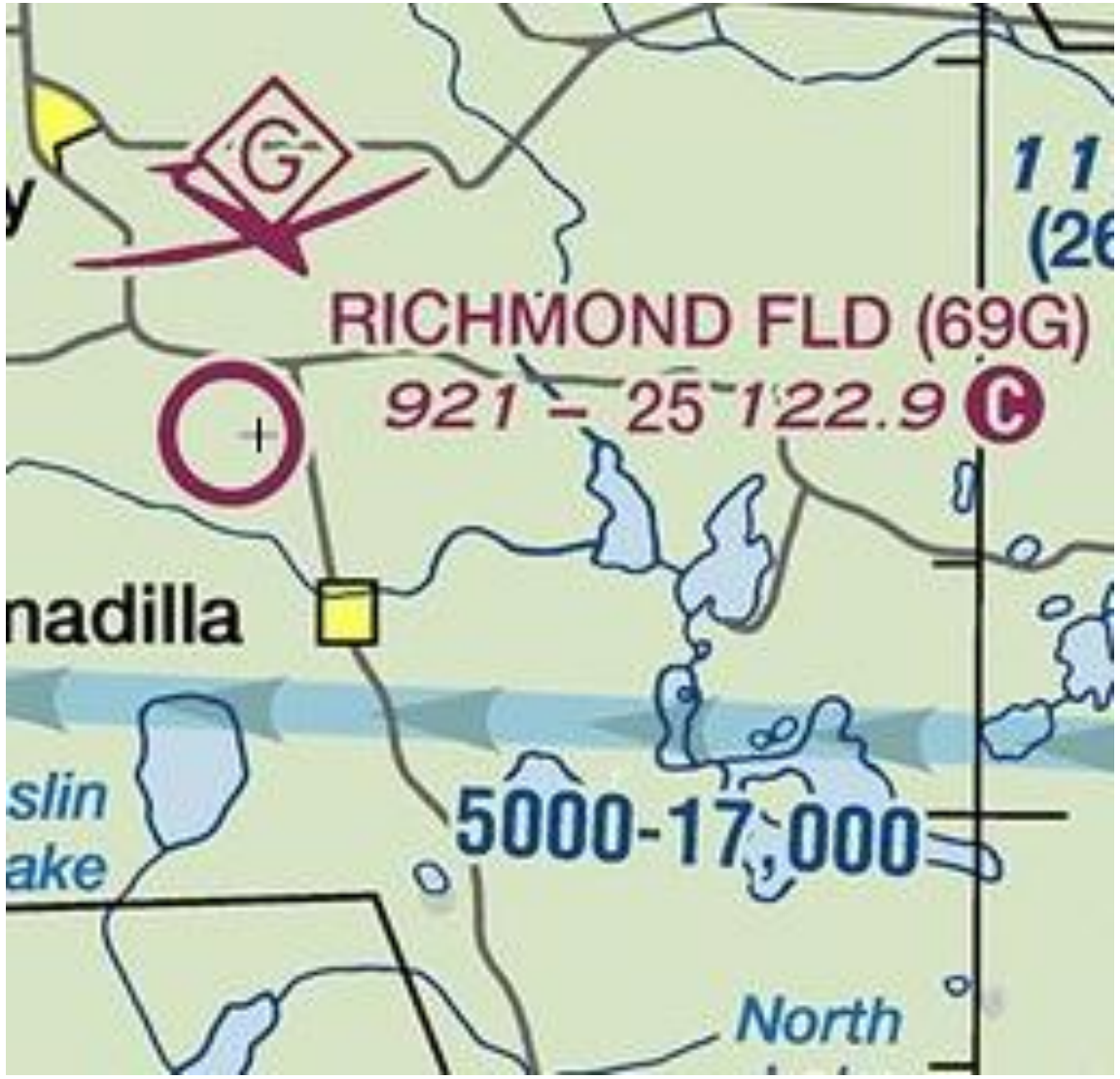
Is 3,500 feet MSL cruise altitude high enough to clear all terrain and towers in the circled quadrangle?

Choose [yes] or [no]



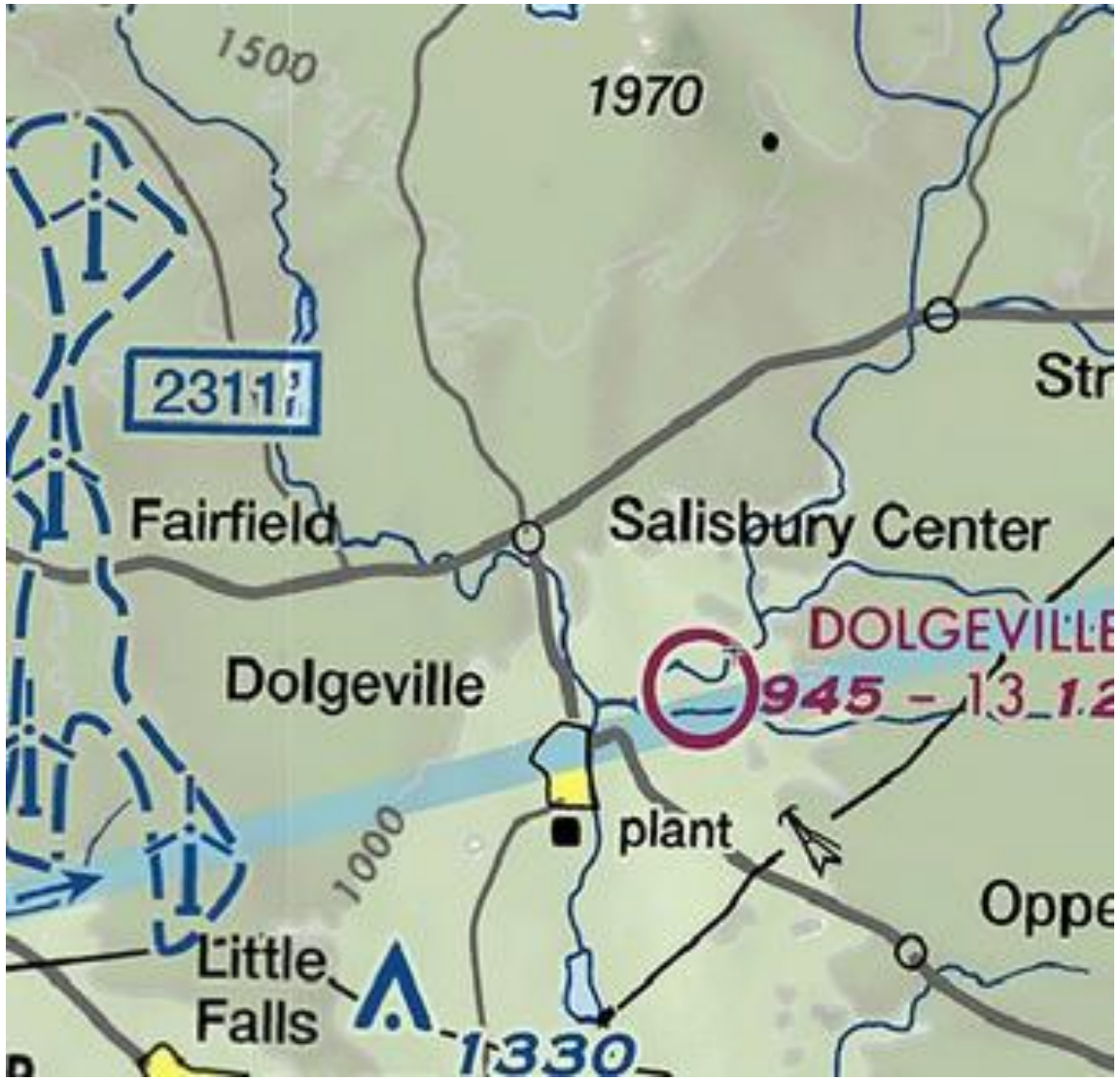
glider

The symbol for Richmond Field airport indicates there may be _____ activity.



False

True or False? A rotating beacon is installed at Dolgeville airport?



True

- True or False? A rotating beacon is installed at Baublitz airport?



1000

The longest runway at Shoestring Airport is ____ feet long



TRSA

The solid gray airspace boundaries near Harrisburg International, Capital City Airport and Carlyle Airport indicate a . . .

Choose [Class C Airspace] / [Class B Airspace] [TRSA] / [Class E Airspace]



120.9

- The control tower frequency for Lancaster airport is ____



not shown here

(It can be read on the margins of the sectional chart, or in the Chart Supplement book, or obtained online or from a GPS database.)

The ground control frequency for Lancaster airport is . . .

Choose [120.9] / [125.675]/ [122.95] / [not shown here]



the surface

Class D airspace at Lancaster airport begins at:

Choose [the surface] / [403 feet AGL] / [700 feet AGL] / [2900 feet MSL]



Class E Airspace

When the control tower closes at Lancaster airport, the Class D airspace inside the dashed blue circle changes to . . . .

Choose [Class C Airspace] / [Class E Airspace] / [Class G Airspace]



370
(i.e. down to the surface)

When the control tower is open at Lancaster airport, the Class E airspace over Smoketown airport extends down to ____ feet MSL



700

A fading magenta airpace boundary fades into more restrictive airspace. Outside the boundary Class G airspace extends to 1200' AGL with Class E above. Inside the boundary Class G airspace extends to ____ feet AGL



700' AGL

Class G airspace overhead Mifflintown airport begins at the surface and extends to

Choose [700' AGL] / [1200' AGL]/ [1545' AGL]/ [10,000' AGL]



1200' AGL

Class G airspace overhead Fox private airport begins at the surface and extends to

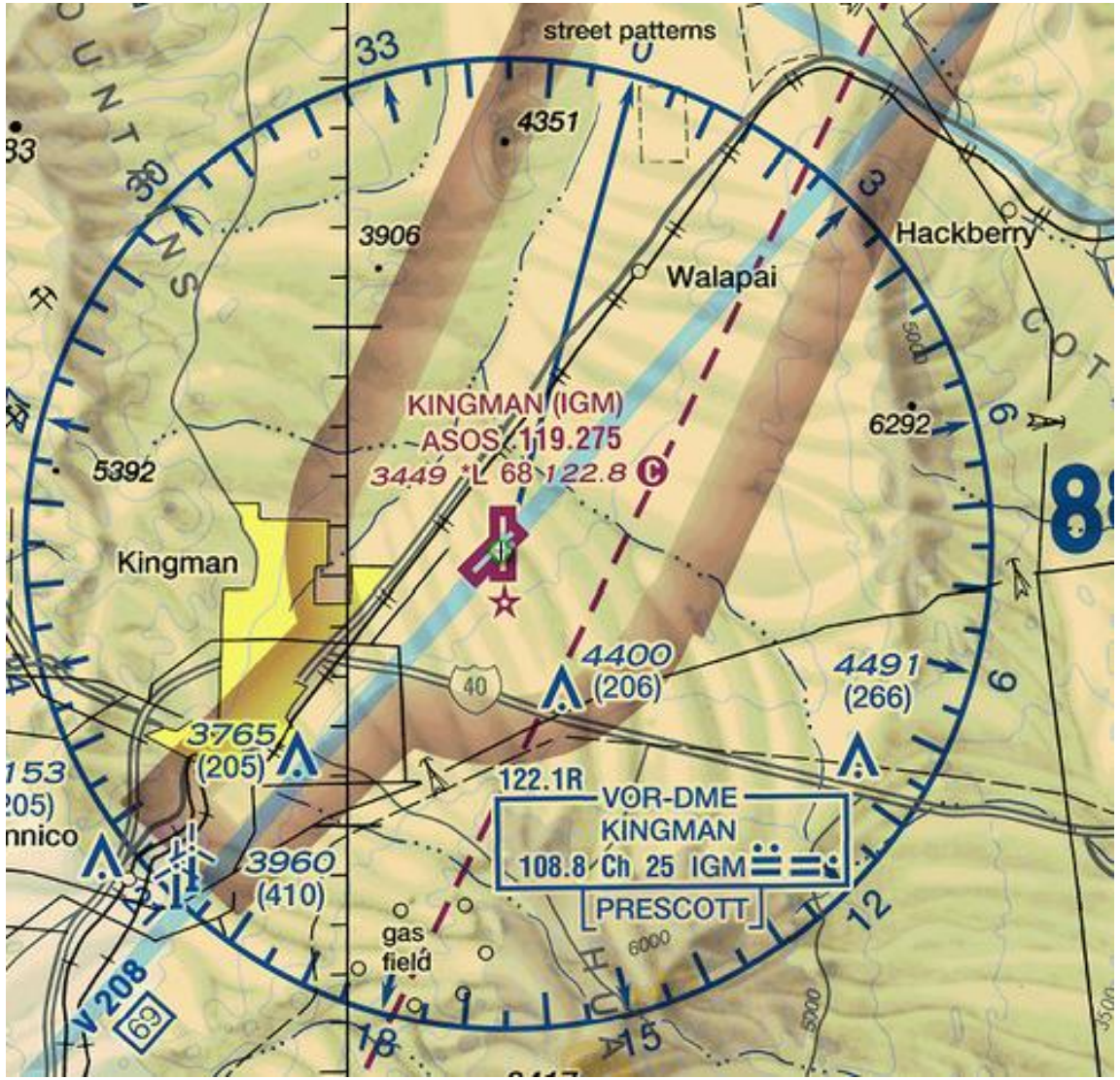
Choose[700' AGL] / [1200' AGL] /[1730' AGL] / [10,000' AGL]



G

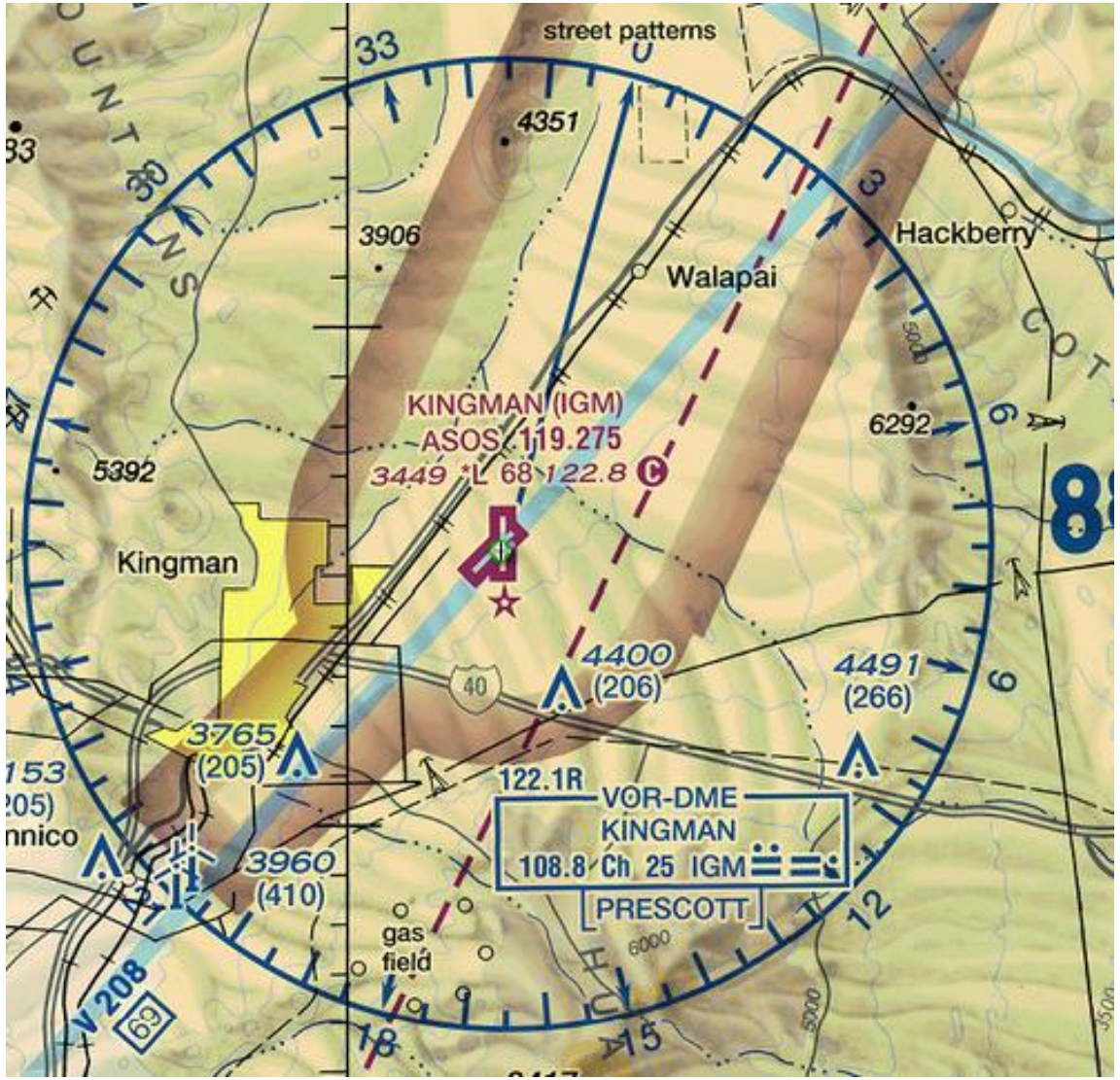
An aircraft flying at 4000' MSL over Kingman Airport is in Class ____ airspace

Choose [G] / [E] / [D] / [C]



6800

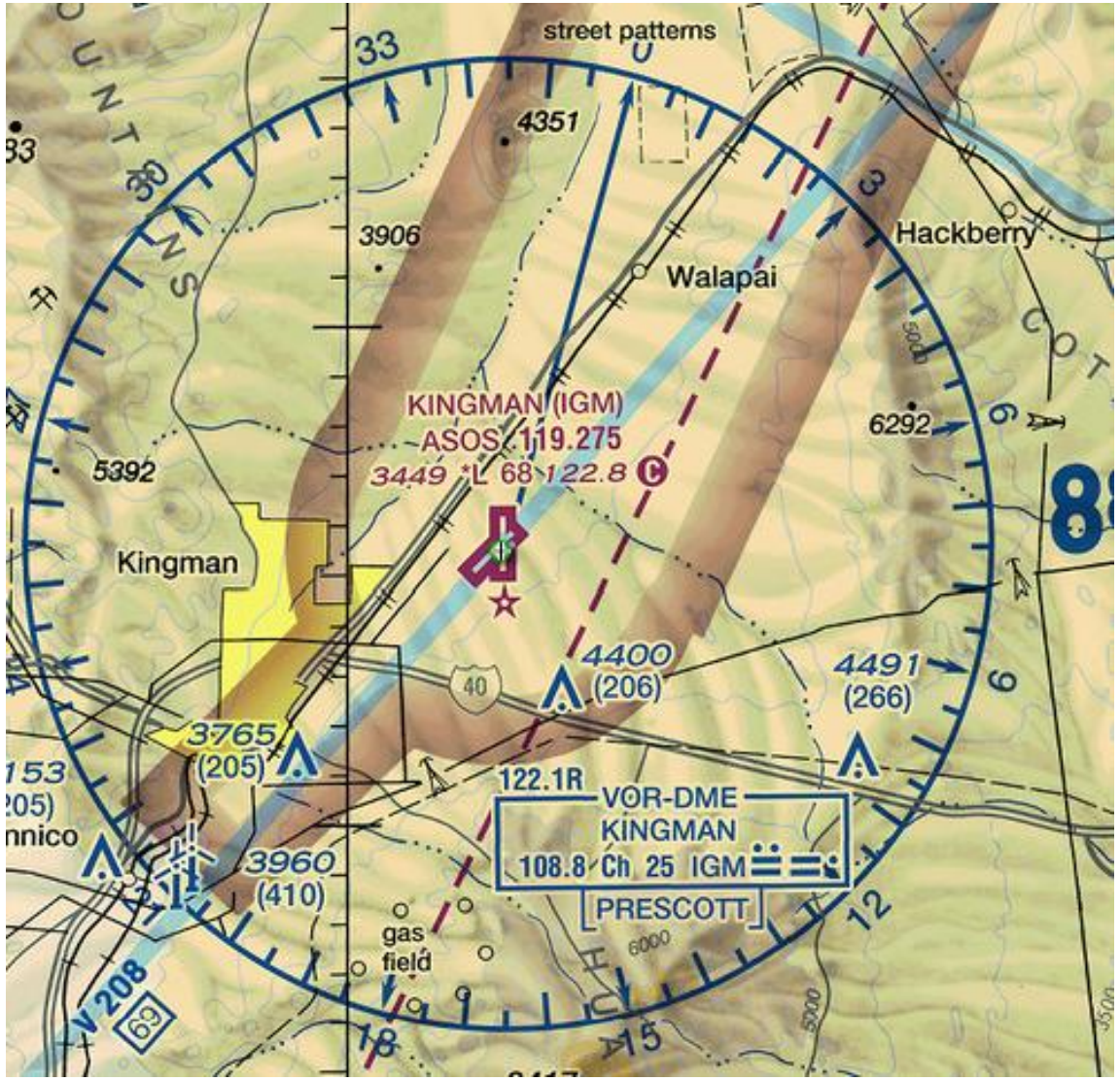
The longest runway at Kingman Airport is ____ feet long



VOR

What navigation aid is located on the surface of Kingman Airport?

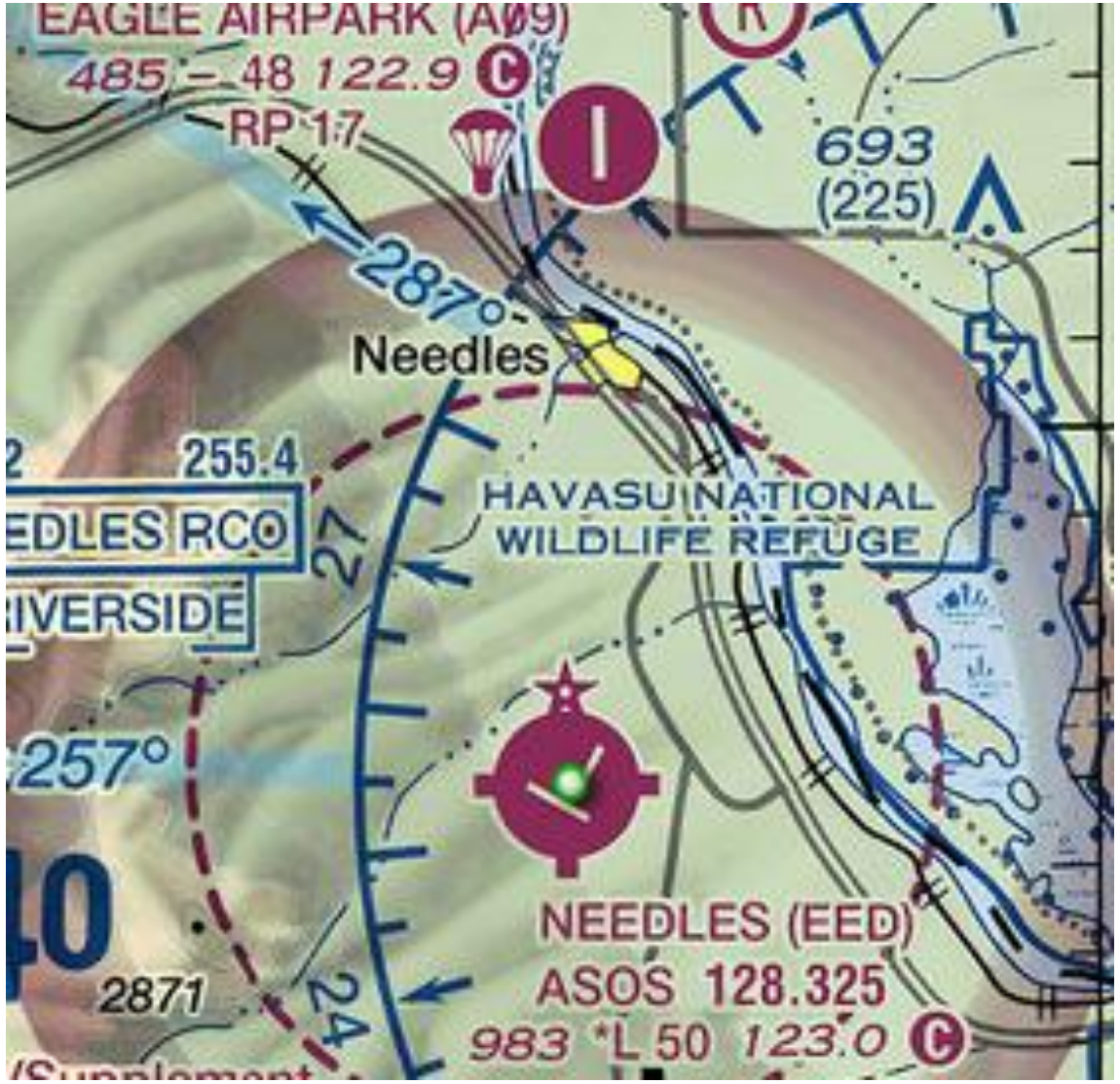
Choose [NDB] / [VOR]/ [LOC]



983

The dashed magenta line over Needles Airport indicates that Class E airspace may begin at ____ feet MSL

Choose [5000] / [983] [485] / [50]



Any Questions on Sectional Practice?

