Airman Knowledge Testing Supplement for Sport Pilot, Recreational Pilot, Remote Pilot, and Private Pilot

2018

U.S. Department of Transportation
FEDERAL AVIATION ADMINISTRATION
Flight Standards Service

Sectional Aeronautical Chart

SECTIONAL AERONAUTICAL CHART SCALE 1:500,000 LEGEND Airports having control towers are shown in blue, all others in magenta. Consult Chart Supplement for details involving airport lighting, navigation aids, and services. For additional symbol information refer to the Chart User's Guide **AIRPORTS** AIRPORT DATA AIRPORT TRAFFIC SERVICE AND AIRSPACE INFORMATION TOPOGRAPHIC INFORMATION Prohibited Restricted and Warning Areas; Box indicators FAR 93 Other than hard-surfaced runways Seaplane Base Only the controlled and reserved airspace Roads & Canadian Advisory, Special Air Traffic effective below 18 000 ft MSL are shown Road Markers Danger, and Restricted Rules & Airport NO SVFR identifier on this chart. All times are local. Areas Traffic Patterns Hard-surfaced runways 1500 ft. to 8069 ft. in length NAME (NAM)(PNAM) Alert Area and MOA -Railroad CT - 118.3 * OATIS 123.8 Class B Airspace Military Operations Hard-surfaced runways greater than 8069 ft., or same 285 | 72 122 9 Class C Airspace (mode C See FAR 91.215/AIM.) Area ICAO multiple runways less than 8069 ft. → RP 23, 34 Power Transmission Lines Special Airport Traffic Location Runways with VFR Advsv 125.0 Area (See FAR Part 93 Right Traffic Patterns indicator Open dot within hard-surfaced runway configuration Class D Airsnace ■ Aerial Cable UNICOM (public use) shown for details) indicates approxmate VOR, VOR-DME, or VORTAC RP Special conditions outside Ceiling of Class D Airspace ADIZ - Air Defense Landmark Feature - stadium, factory. exist - see Chart Supplement Airport contiguous in hundreds of feet. (A minus Identification Zone school, golf course, etc. IIS of Entry ceiling value indicates surface All recognizable hard-surfaced runways, including those closed, are Mode C up to but not including that (See FAR 91.215/AIM). shown for visual identification. Airports may be public or private. Outdoor Theater National Security Area Lookout Tower ADDITIONAL AIRPORT INFORMATION FSS - Flight Service Station Terminal Radar Service 618 (Elevation Base of Tower) NO SVFR - Fixed wing special VFR flight is prohibited. Area (TRSA) Class F Airspace with floor CT- 118.3 - Control Tower (CT) primary frequency MTR - Military Training + CG Coast Guard Station Restricted or Private - (Soft surfaced runway, or hard surfaced 700 ft. above surface runway less than 1500' in length.) Use only in *- Star indicates operation part-time (see tower frequencies Route Race Track Class E Airspace with floor emergency, or by specific authorization. tabulation for hours of operation) - Indicates Common Traffic Advisory Frequencies (CTAF) 1200 ft. or greater above Tank-water, oil or gas. Military - Other than hard-surfaced. All military airports are surface that abuts Class G MISCELLANEOUS ATIS 123.8 - Automatic Terminal Information Service identified by abbreviations AFB, NAS, AAF, etc. 00 Airspace ASOS/AWOS 135.42 - Automated Surface Weather Observing O Oil Well • Water Well For complete airport information, consult DOD FLIP. Systems (shown where full-time ATIS is not available). 2400 MSL Differentiates floors of -1° E — Isogonic Line (2010 VALUE) Some ASOS/AWOS facilities may not be located at airports. Class E Airspace greater Mine or Quarry (U) F LINICOM - Aeronoutical advisory station than 700 ft, above surface (H)4500 MSL Ultralight VFR Advsy - VFR Advisory Service shown where full-time ATIS Mountain Pass Class E Airspace exists at 1200' AGL unless Activity 11823 (Elevation of Pass) Unverified not available and frequency is other than primary CT frequency. Heliport otherwise designated as shown above Abandoned-payed. Ultralight Flight Park Class E Airspace low altitude Federal having landmark value 285 - Flevation in feet Hang Glider 3000 ft. or greater Airways are indicated by center line. L - Lighting in operation sunset to sunrise Activity (Pass symbol does not indicate a Intersection - Arrows are directed towards *L - Lighting limitations exist, refer to Airport/Facility recommended route or direction of flight facilities which establish intersection Directory. and pass elevation does not indicate a 132°→ ∨ 69 72 - Length of longest runway in hundreds of feet: Glider Operations recommended clearance altitude. Total mileage 169 between NAVAID, on direct Airways usable length may be less Hazardous flight conditions may exist Services-fuel available and field attended during normal working within and near mountain passes). When information is lacking, the respective character is hours depicted by use of ticks around basic airport symbol. (Normal Class E Airspace low altitude RNAV routes Unmanned Aircraft Activity working hours are Mon thru Fri 10:00 A.M. to 4:00 P.M. local time. Consult Chart Supplement for service availability at airports with replaced by a dash. Lighting codes refer to runway edge lights are indicated by center line. and may not represent the longest runway or full length lighting. T319 TK313 RNAV waypoint Parachute Jumping Area hard-surfaced runways greater than 8069 ft. (See Chart Supplement.) * Rotating airport beacon in operation Sunset to Sunrise Marine Light **RADIO AIDS TO NAVIGATION COMMUNICATION BOXES OBSTRUCTIONS** NAME Bridges and Viaducts 122.1R 122.6 123.6 122.1R $\langle \bullet \rangle$ VHF OMNI RANGE (VOR) OAKDALE 382 * OAK 1000 ft. and higher AGL CHICAGO CHI **©** VORTAC VFR Waypoints (See helow 1000 ft. AGL Chart Supplement Heavy line box indicates Flight Service Station (FSS). $\langle \bullet \rangle$ VOR-DME for latitude/longitude) Frequencies 121.5, 122.2, 243.0 and 255.4 Underline indicates or Group Obstruction (Canada - 121.5, 126.7 and 243.0) are available at many no voice on this frequency. FSSs and are not shown above boxes. All other Crosshatch indicates frequencies are shown. Obstruction with high-intensity lights Shutdown Status Non-Directional May operate part-time Radioheacon (NDR) Operates less than Certain ESSs provide Airport continuous or On-Request. 🔥 or 🎊 Advisory Service, see Chart Supplement. ASOS/AWOS Elevation of the top above R - Receive Only. HIWAS 122.1R -• mean sea level 2049 NDB-DME Frequencies above thin line box are remoted to Height above ground NAVAID site. Other FSS frequencies providing voice (1149) ←Under construction or communication may be available as determined by MIAMI — UC ← reported; position and ESS radio altitude and terrain. Consult Chart Supplement elevation unverified. Other facilities. i.e., FSS Outlet, RCO, etc. providing voice for complete information. communication NOTICE: Guy wires may extend outward

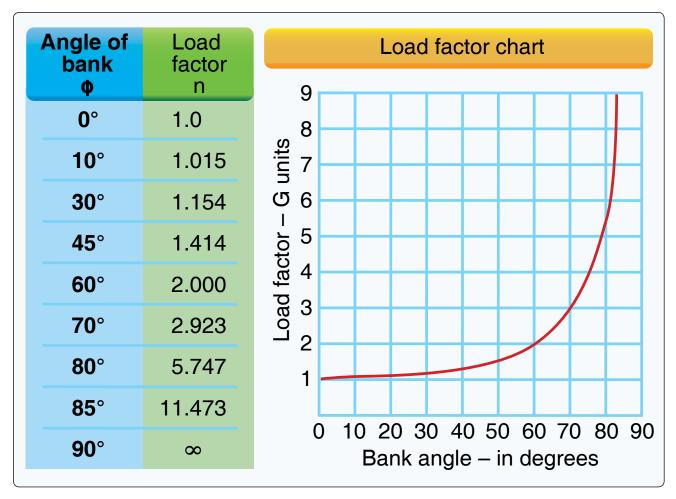


Figure 2. Load Factor Chart.

Appendix 2

METAR KINK 121845Z 11012G18KT 15SM SKC 25/17 A3000

METAR KBOI 121854Z 13004KT 30SM SCT150 17/6 A3015

METAR KLAX 121852Z 25004KT 6SM BR SCT007 SCT250 16/15 A2991

SPECI KMDW 121856Z 32005KT 1 1/2SM RA OVC007 17/16 A2980 RMK RAB35

SPECI KJFK 121853Z 18004KT 1/2SM FG R04/2200 OVC005 20/18 A3006

Figure 12. Aviation Routine Weather Reports (METAR).

TAF

KMEM 121720Z 1218/1324 20012KT 5SM HZ BKN030 PROB40 1220/1222 1SM TSRA OVC008CB FM122200 33015G20KT P6SM BKN015 OVC025 PROB40 1220/1222 3SM SHRA FM120200 35012KT OVC008 PROB40 1202/1205 2SM-RASN BECMG 1306/1308 02008KT BKN012 BECMG 1310/1312 00000KT 3SM BR SKC TEMPO 1212/1214 1/2SM FG FM131600 VRB06KT P6SM SKC=

KOKC 051130Z 0512/0618 14008KT 5SM BR BKN030 TEMPO 0513/0516 1 1/2SM BR FM051600 18010KT P6SM SKC BECMG 0522/0524 20013G20KT 4SM SHRA OVC020 PROB40 0600/0606 2SM TSRA OVC008CB BECMG 0606/0608 21015KT P6SM SCT040=

Figure 15. Terminal Aerodrome Forecasts (TAF).

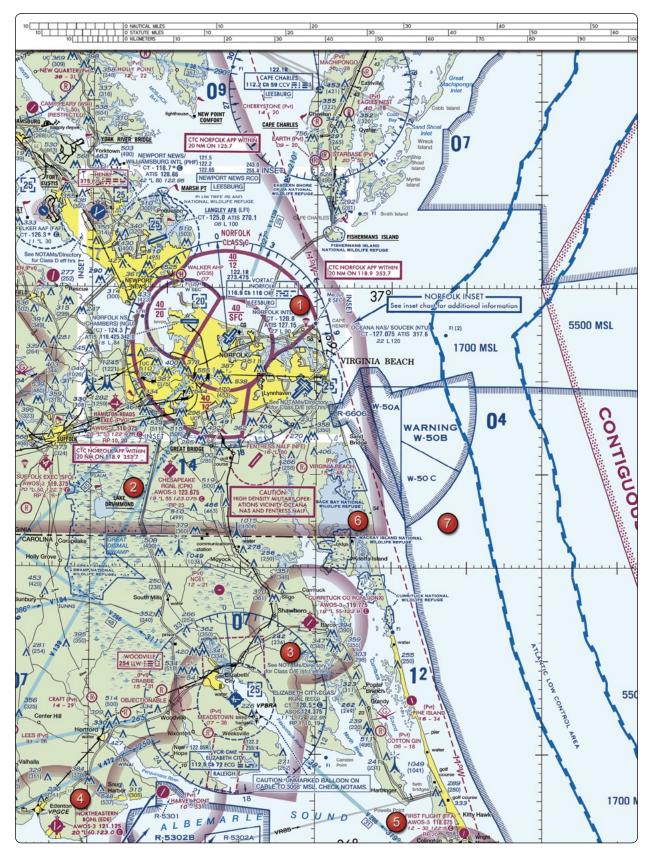


Figure 20. Sectional Chart Excerpt.

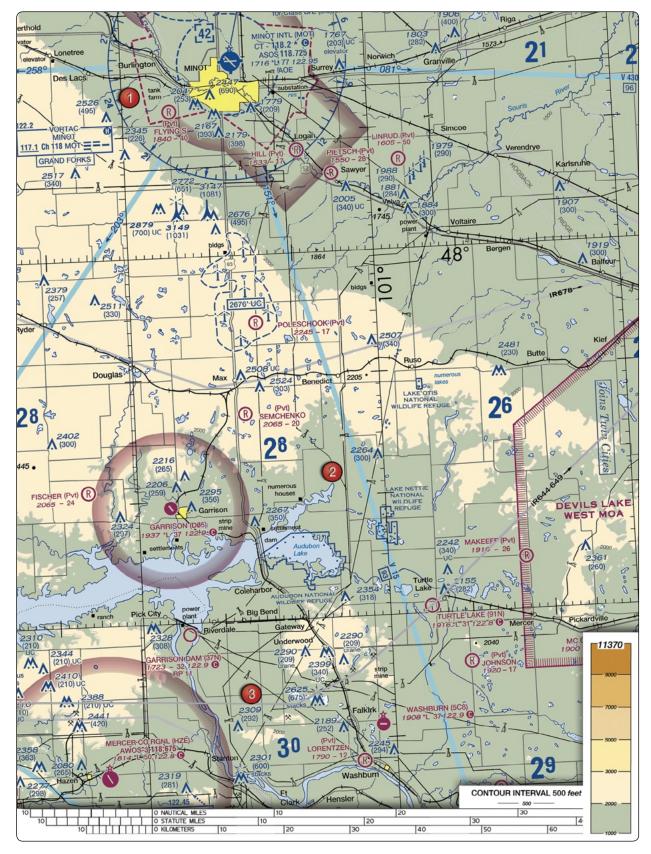


Figure 21. Sectional Chart Excerpt.

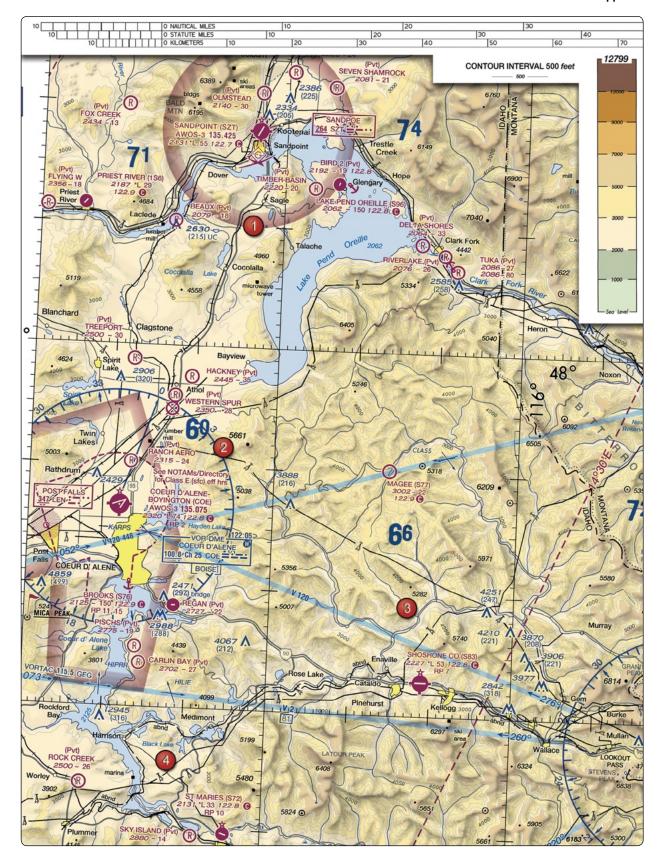


Figure 22. Sectional Chart Excerpt.

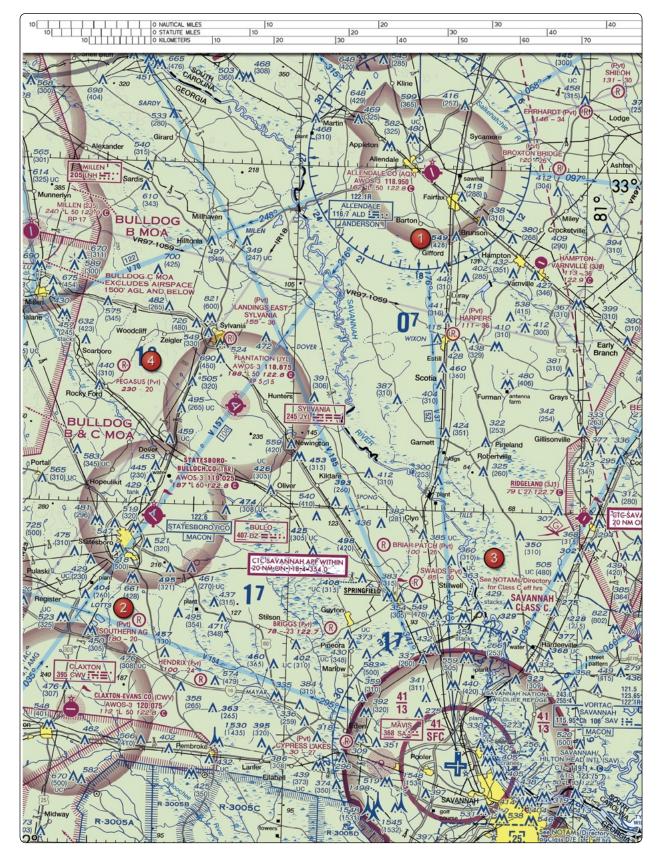


Figure 23. Sectional Chart Excerpt.

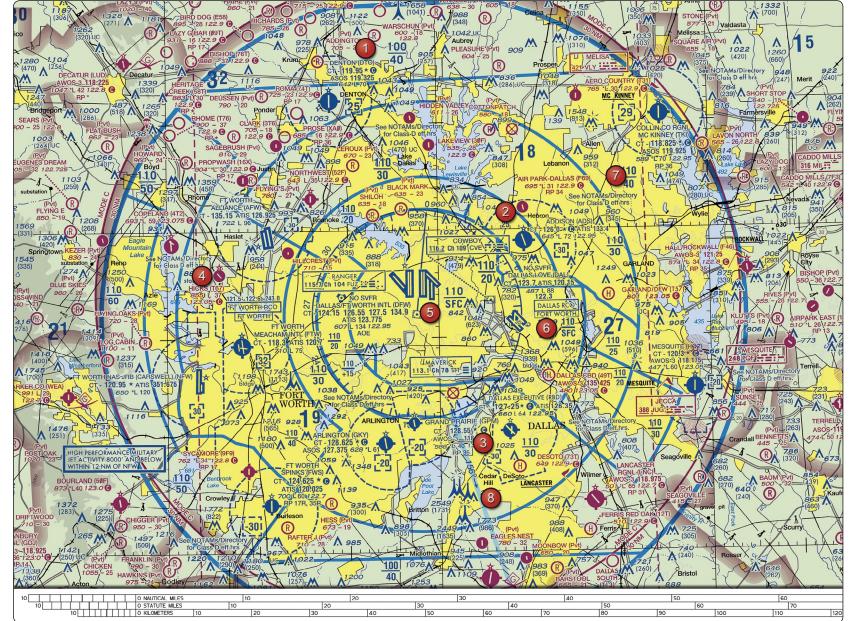


Figure 25. Sectional Chart Excerpt. *NOTE: Chart is not to scale and should not be used for navigation.* Use associated scale.

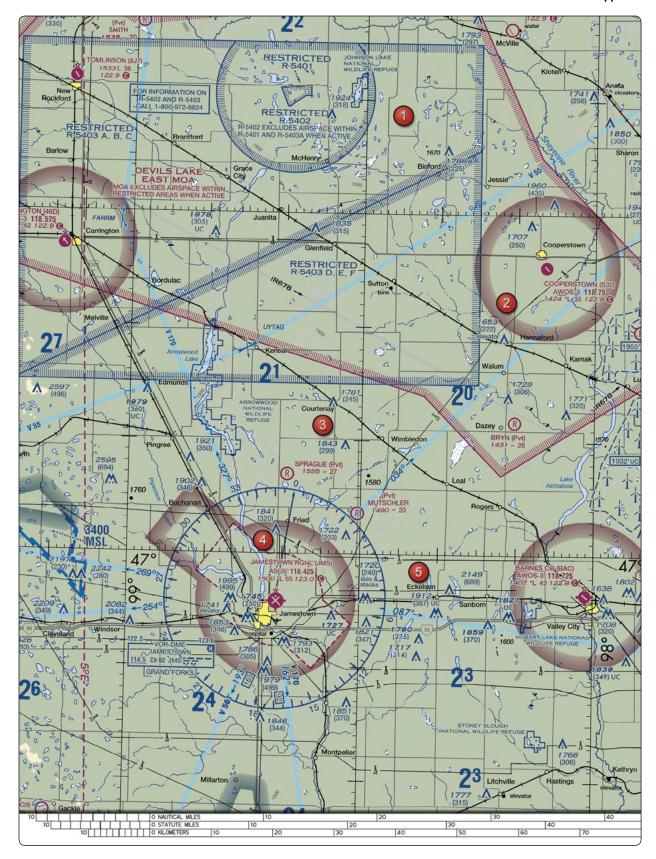


Figure 26. Sectional Chart Excerpt.

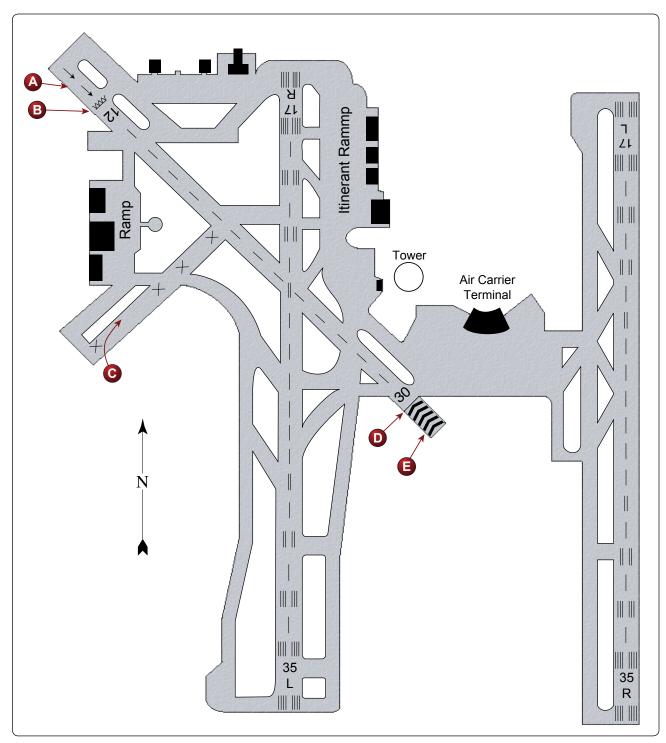


Figure 48. Airport Diagram.

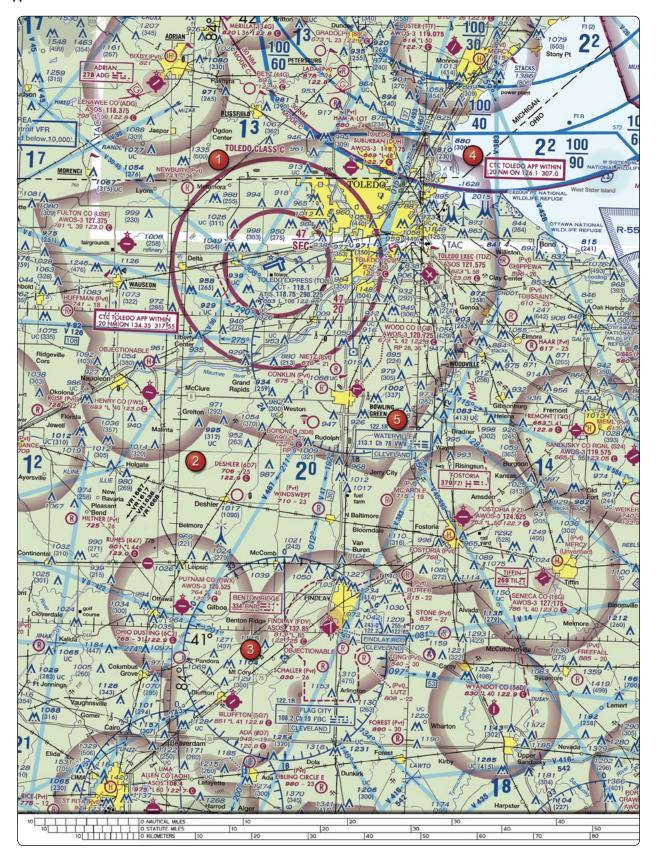


Figure 59. Sectional Chart Excerpt.

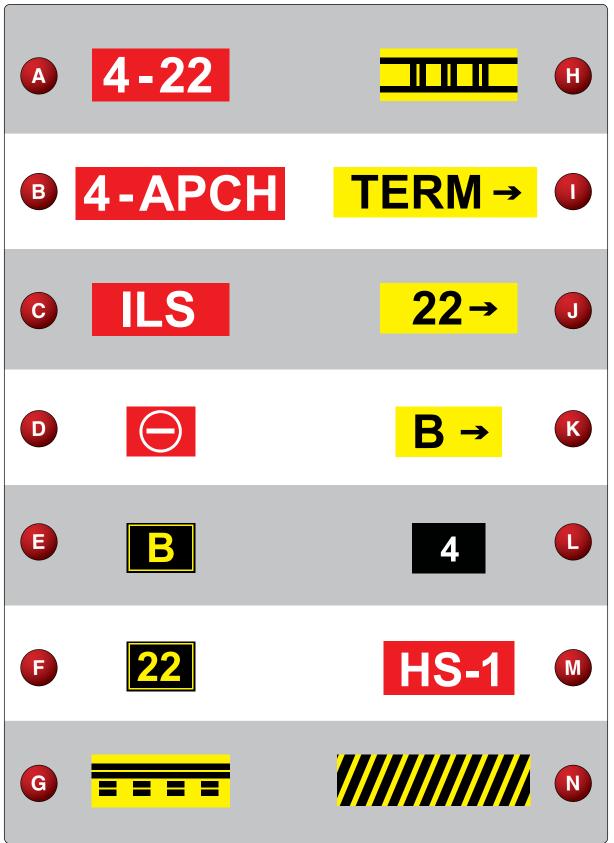


Figure 65. U.S. Airport Signs.

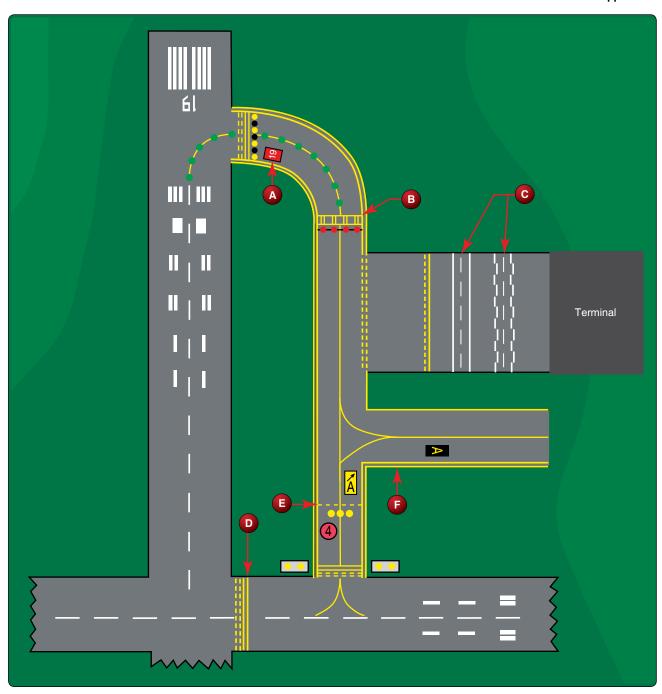


Figure 64. Airport Markings.

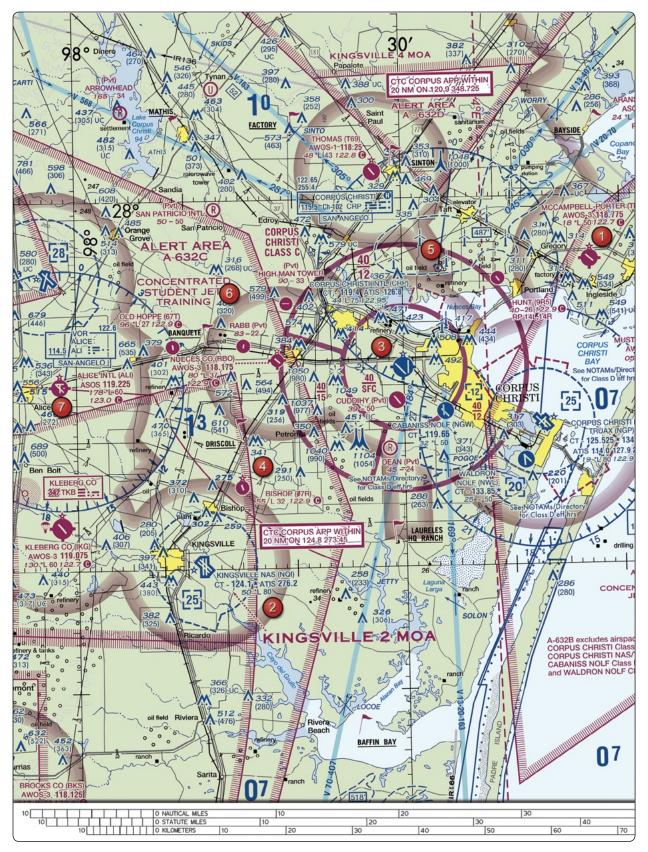


Figure 69. Sectional Chart Excerpt.

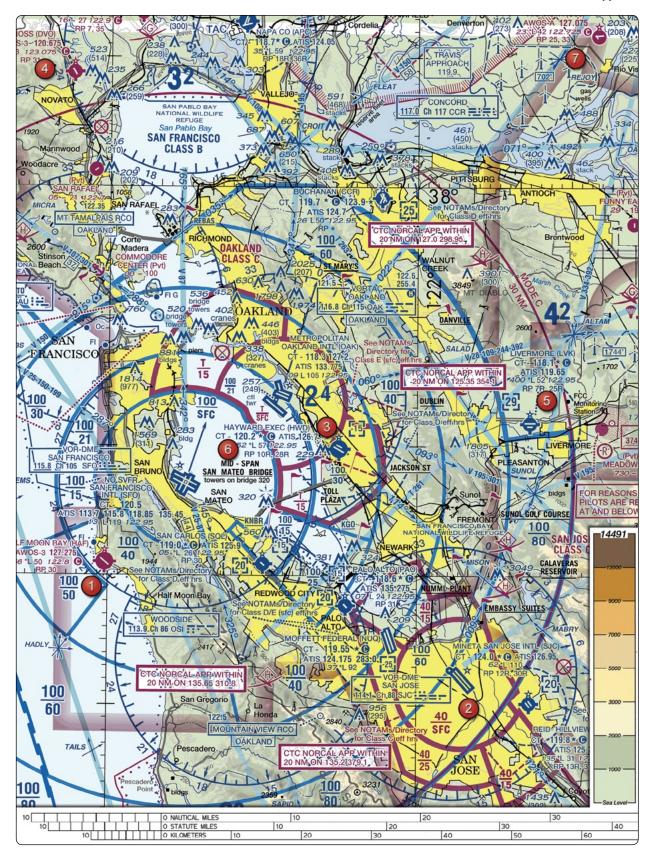


Figure 70. Sectional Chart Excerpt.

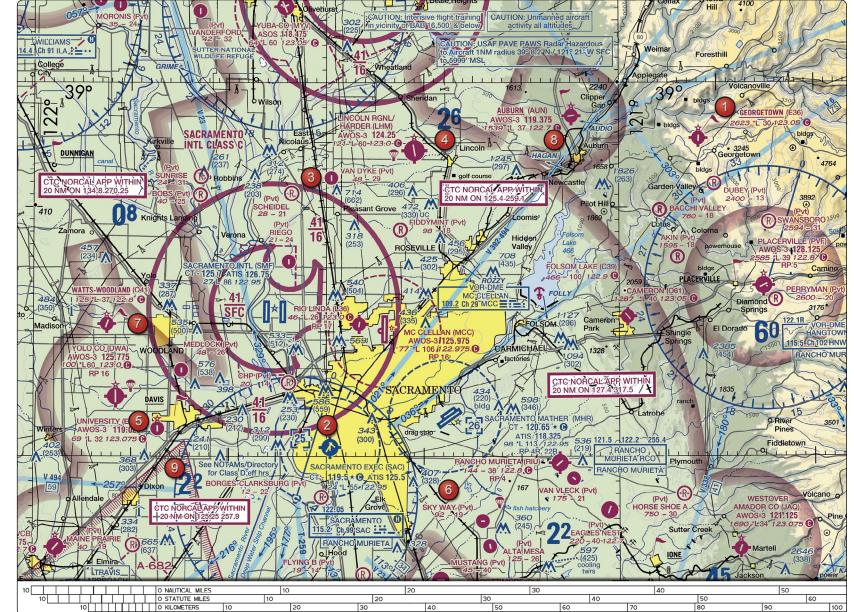


Figure 71. Section NOTE: Chart is not to scale and should not Sectional Chart Excerpt. bе used for navigation. Use associated scale

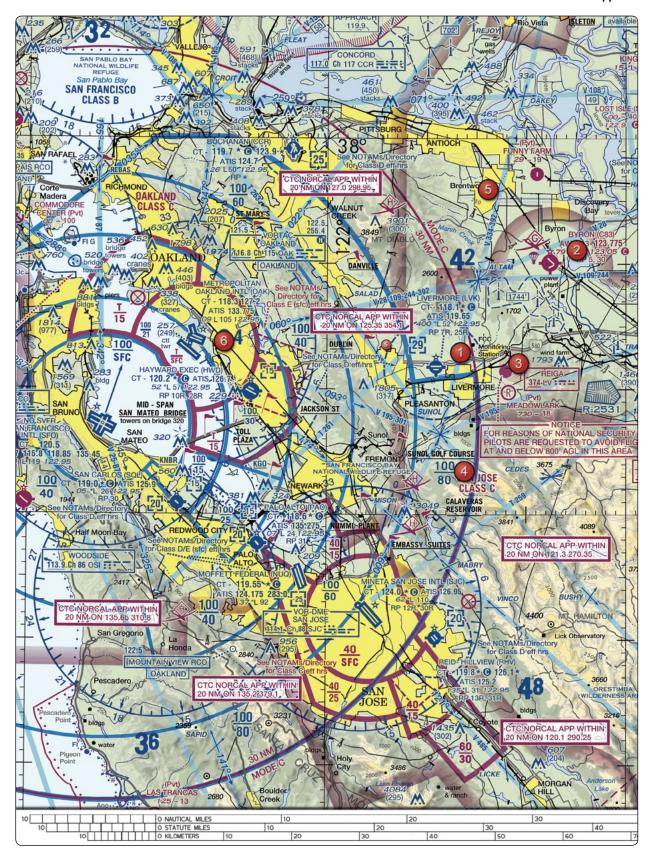


Figure 74. Sectional Chart Excerpt.

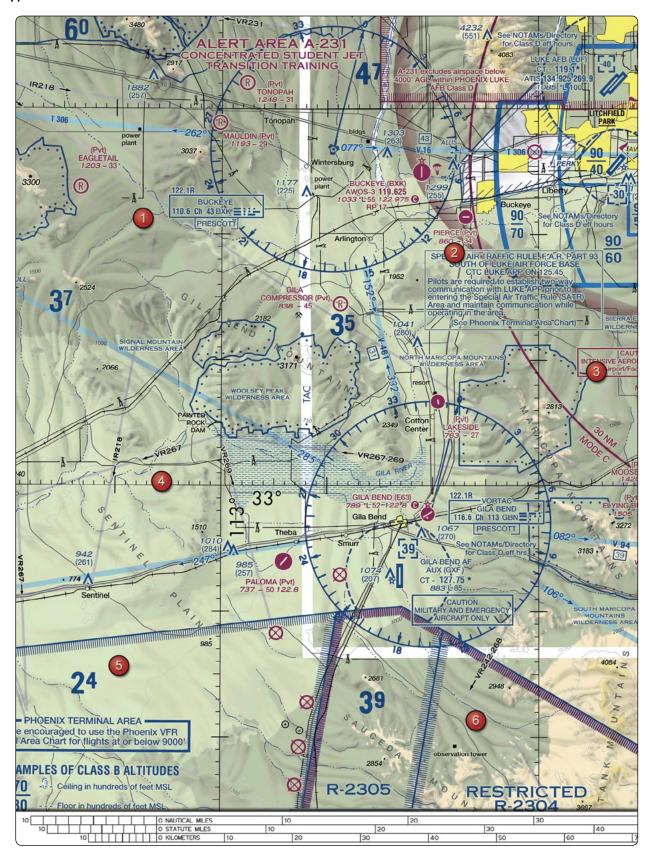


Figure 75. Sectional Chart Excerpt.

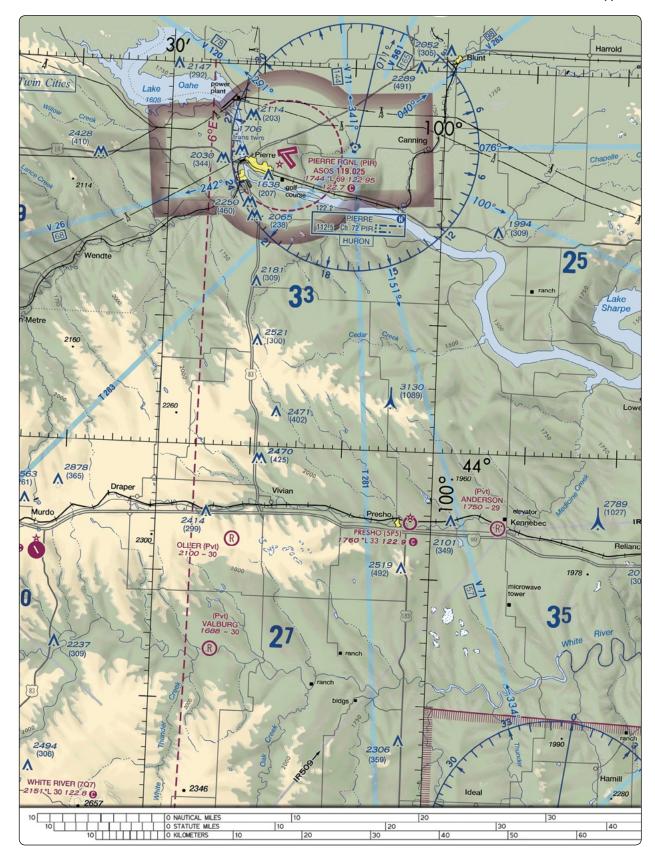


Figure 76. Sectional Chart Excerpt.

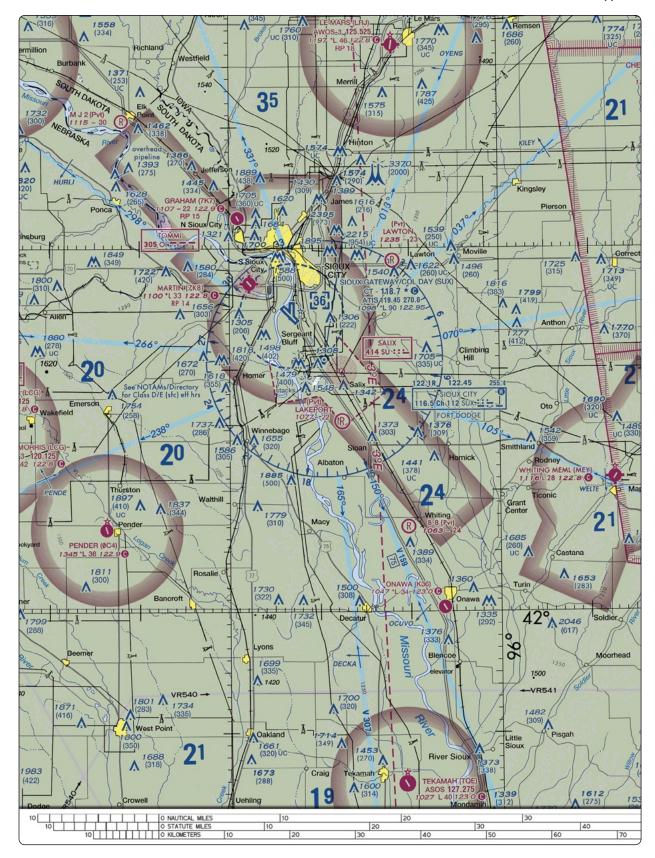


Figure 78. Sectional Chart Excerpt.

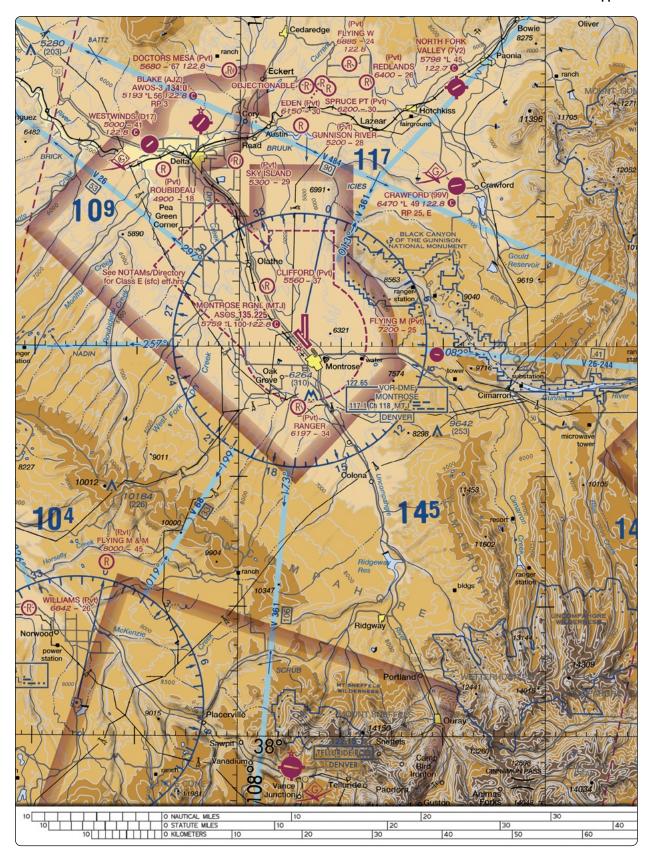


Figure 80. Sectional Chart Excerpt.