Cross-Country Planning

1. (Refer to Figure 20.) En route to First Flight Airport (area 5), your flight passes over Hampton Roads Airport (area 2) at 1456 and then over Chesapeake Regional at 1501. At what time should your flight arrive at First Flight?

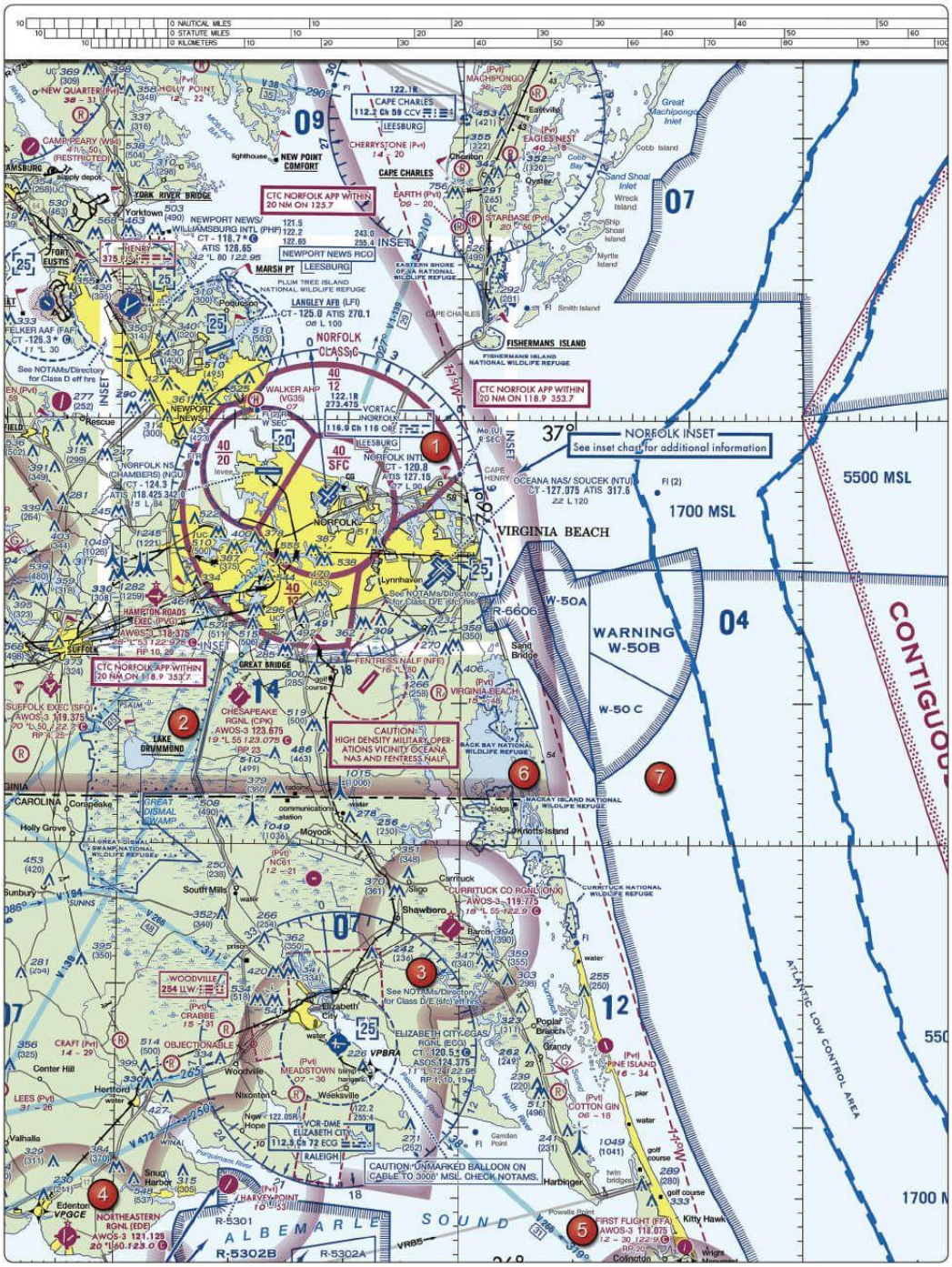

FIGURE 20.—Sectional Chart Excerpt.
NOTE: Chart is not to scale and should not be used for navigation. Use associated scale.

- 1516.
- 1521.
- **1529.**

2. (Refer to Figure 20.) Determine the magnetic course from First Flight Airport (area 5) to Hampton Roads Airport (area 2).

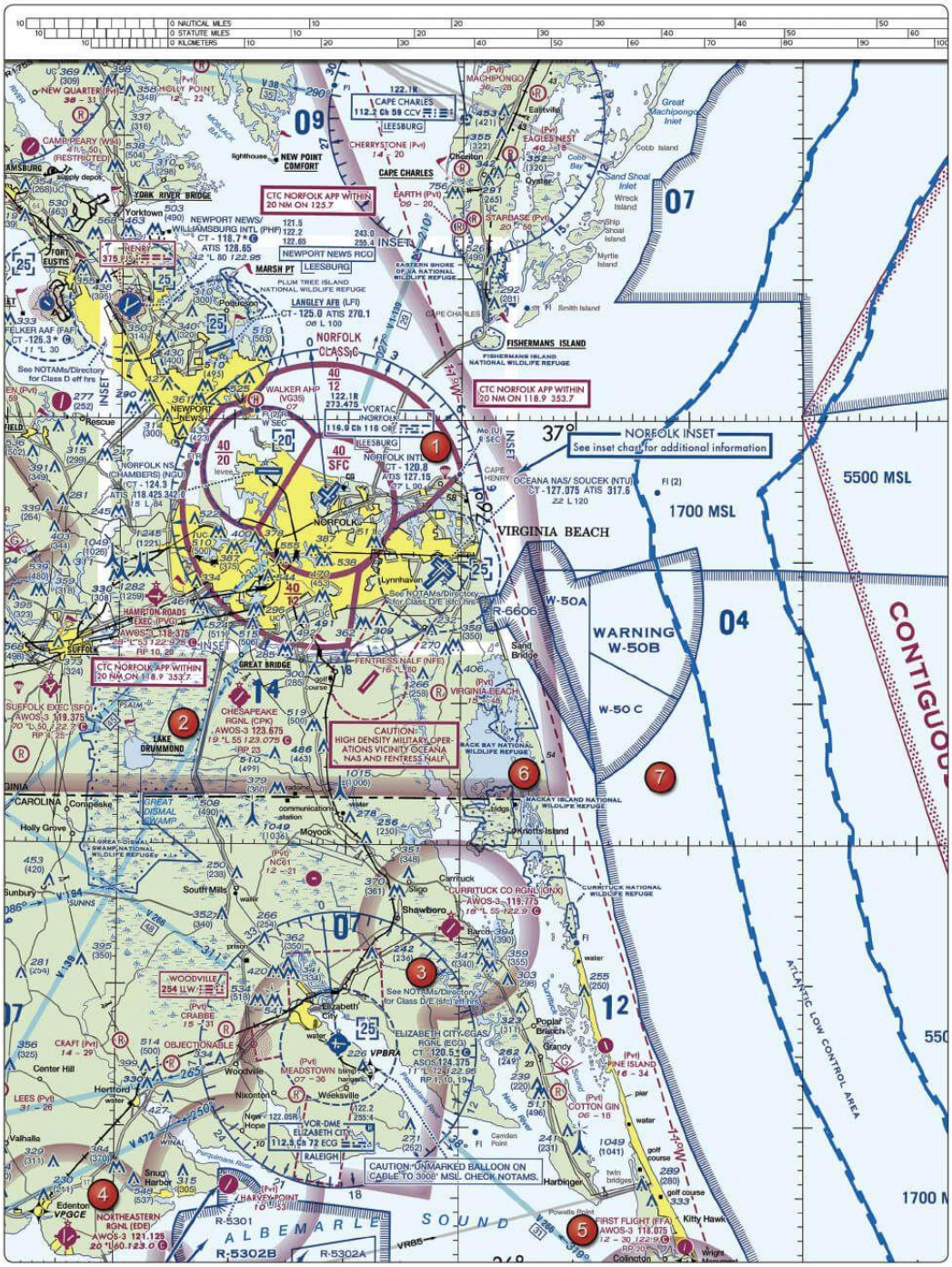

FIGURE 20.—Sectional Chart Excerpt.
NOTE: Chart is not to scale and should not be used for navigation. Use associated scale.

- 141°.
- 321°.
- **332°.**

3. (Refer to Figure 21.) What is the estimated time en route from Mercer County Regional Airport (area 3) to Minot International (area 1)? The wind is from 330° at 25 knots and the true airspeed is 100 knots. Add 3-1/2 minutes for departure and climb-out.

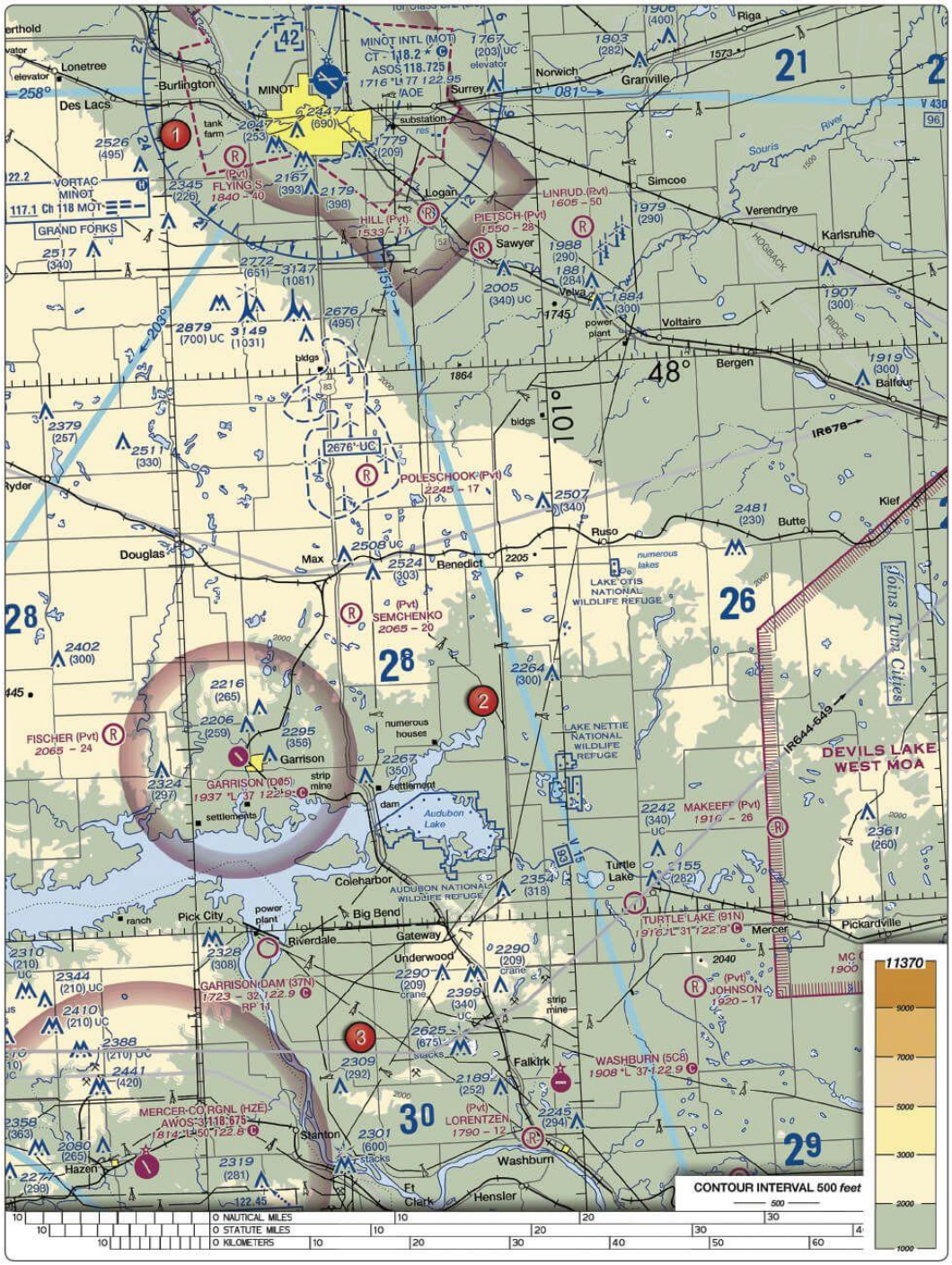

FIGURE 21.—Sectional Chart Excerpt.
NOTE: Chart is not to scale and should not be used for navigation. Use associated scale.

- 44 minutes.
- **48 minutes.**
- 52 minutes.

4. (Refer to Figure 21.) Determine the magnetic heading for a flight from Mercer County Regional Airport (area 3) to Minot International (area 1). The wind is from 330° at 25 knots, the true airspeed is 100 knots, and the magnetic variation is 10° east.

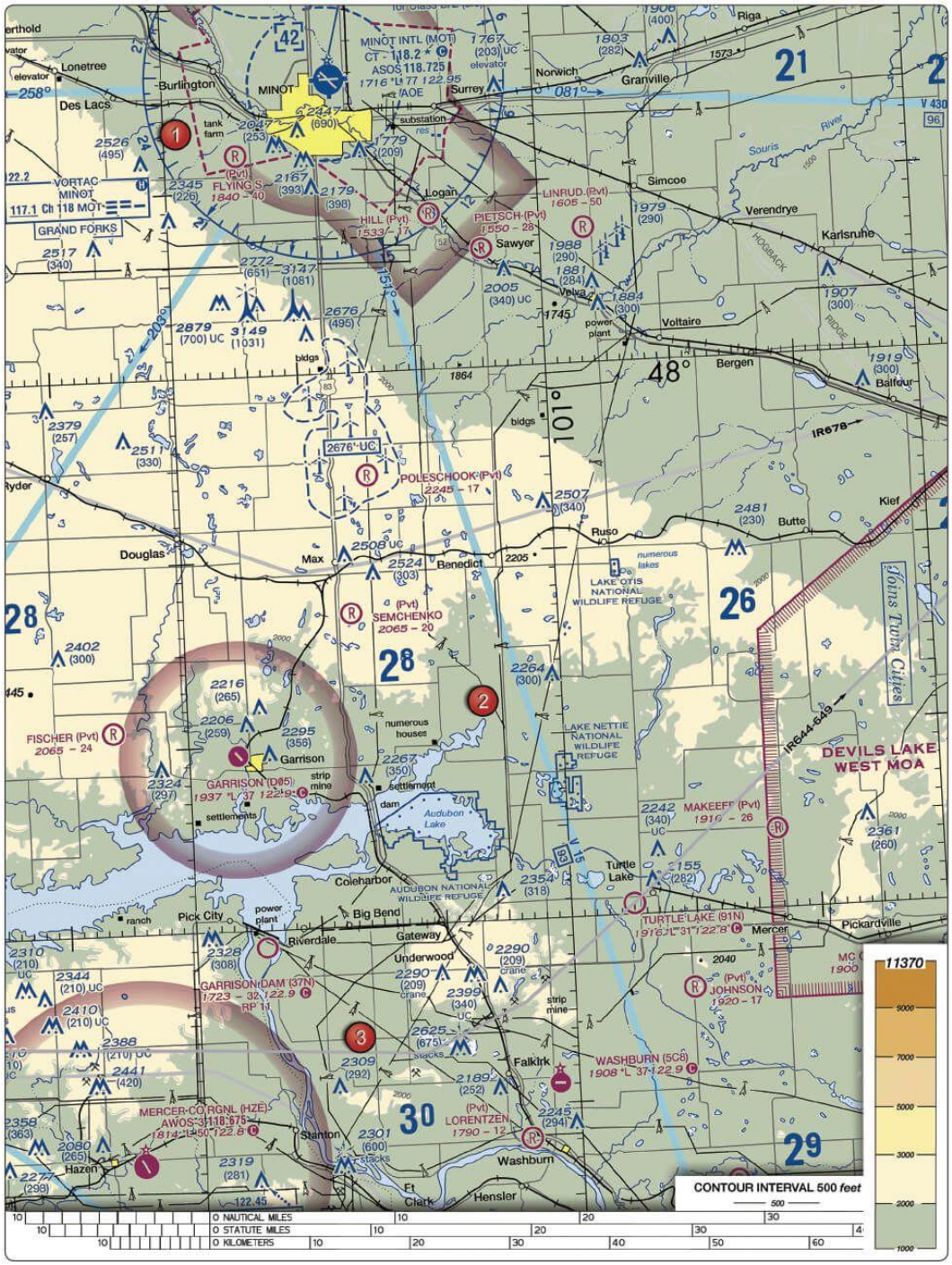

FIGURE 21.—Sectional Chart Excerpt.
NOTE: Chart is not to scale and should not be used for navigation. Use associated scale.

- 002°.
- 012°.
- **352°.**

5. (Refer to Figure 22.) What is the estimated time en route from Sandpoint Airport (area 1) to St. Maries Airport (area 4)? The wind is from 215° at 25 knots, and the true airspeed is 125 knots.

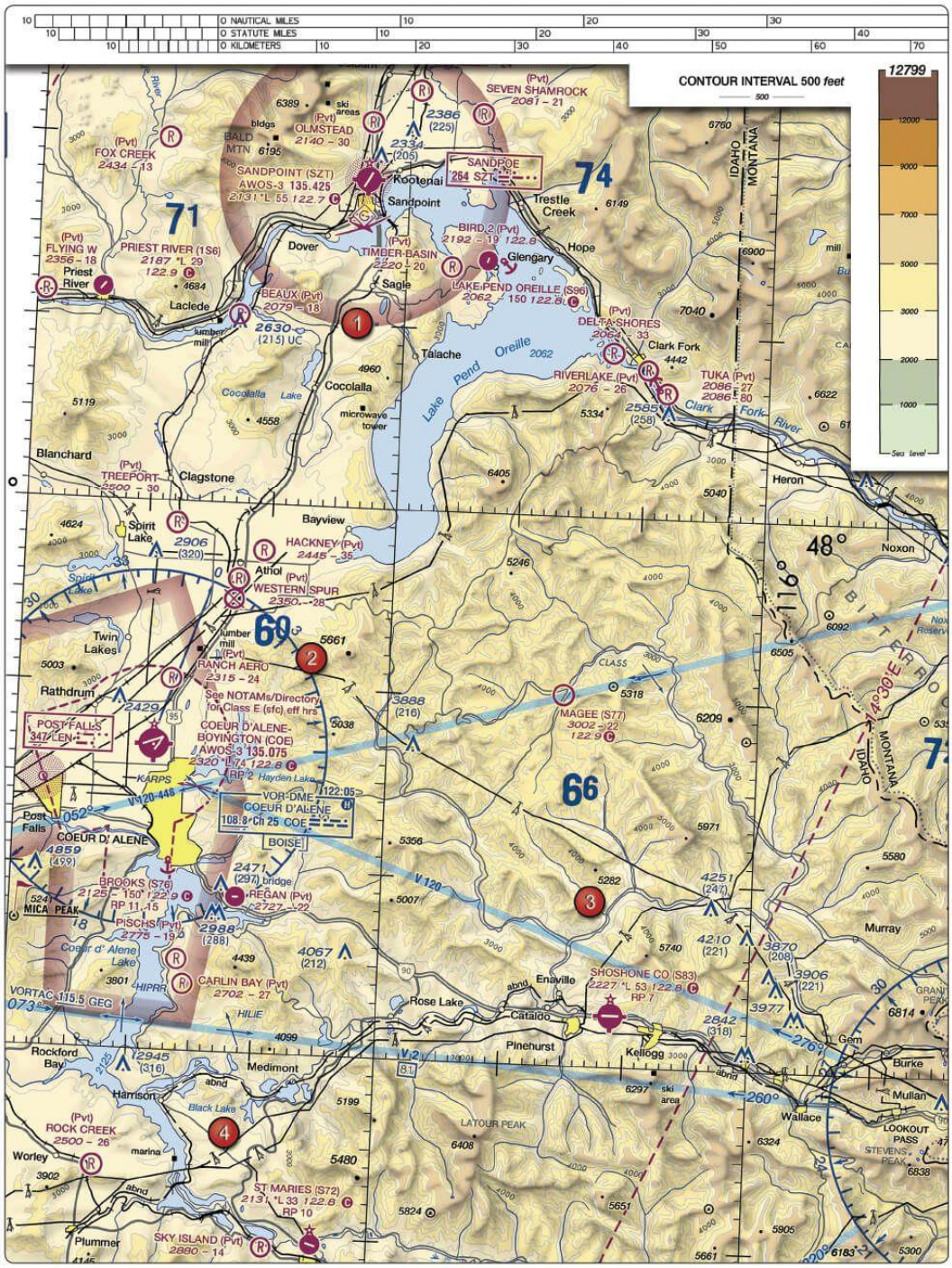

FIGURE 22.—Sectional Chart Excerpt.
NOTE: Chart is not to scale and should not be used for navigation. Use associated scale.

- 38 minutes.
- 30 minutes.
- **34 minutes.**

6. (Refer to Figure 22.) Determine the estimated time en route for a flight from Priest River Airport (area 1) to Shoshone County Airport (area 3). The wind is from 030 at 12 knots and the true airspeed is 95 knots. Add 2 minutes for climb-out.

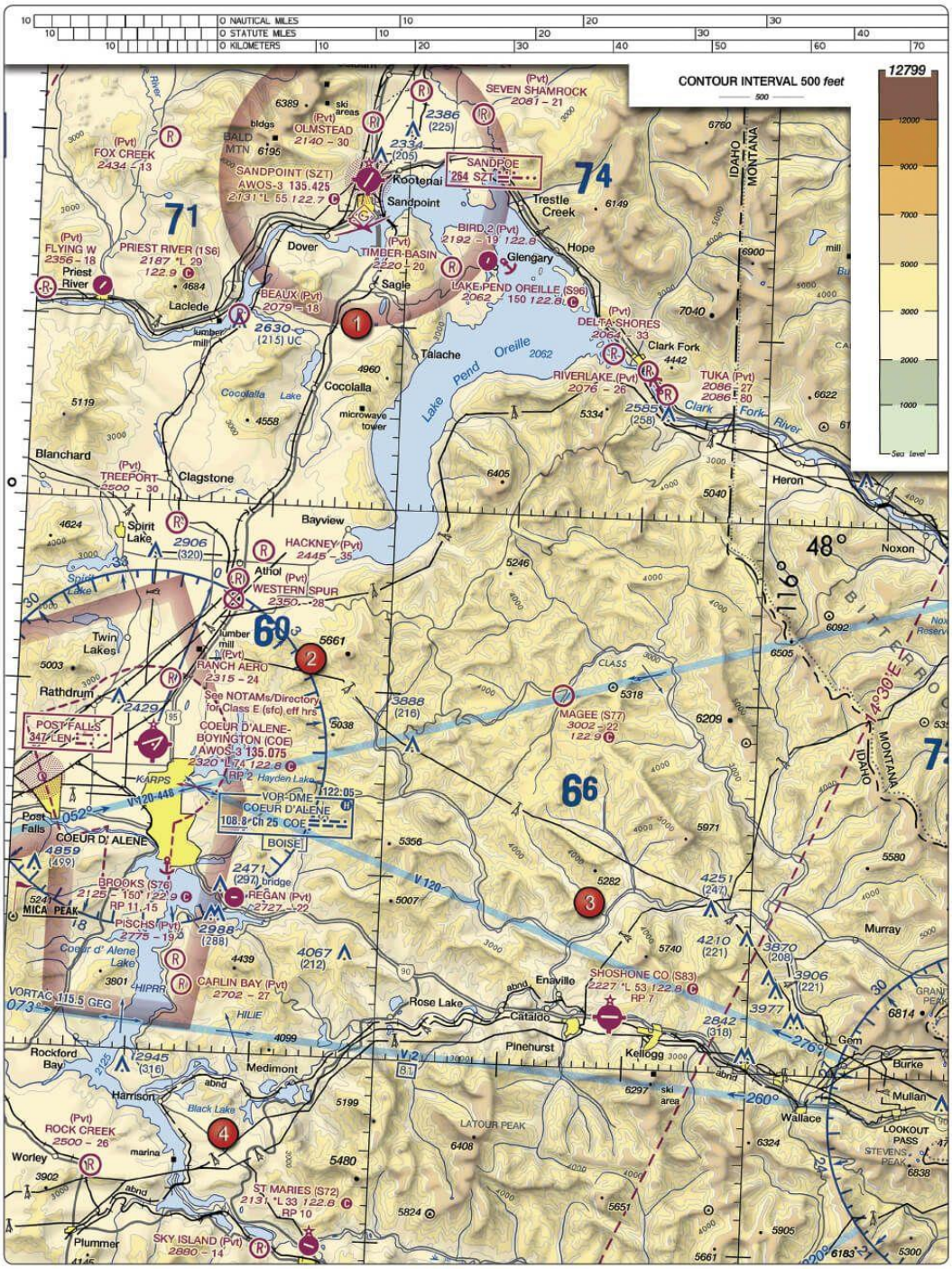

FIGURE 22.—Sectional Chart Excerpt.
NOTE: Chart is not to scale and should not be used for navigation. Use associated scale.

- 27 minutes.
- 29 minutes.
- **31 minutes.**

7. (Refer to Figure 22.) What is the estimated time en route for a flight from St. Maries Airport (area 4) to Priest River Airport (area 1)? The wind is from 300° at 14 knots and the true airspeed is 90 knots. Add 3 minutes for climb-out.

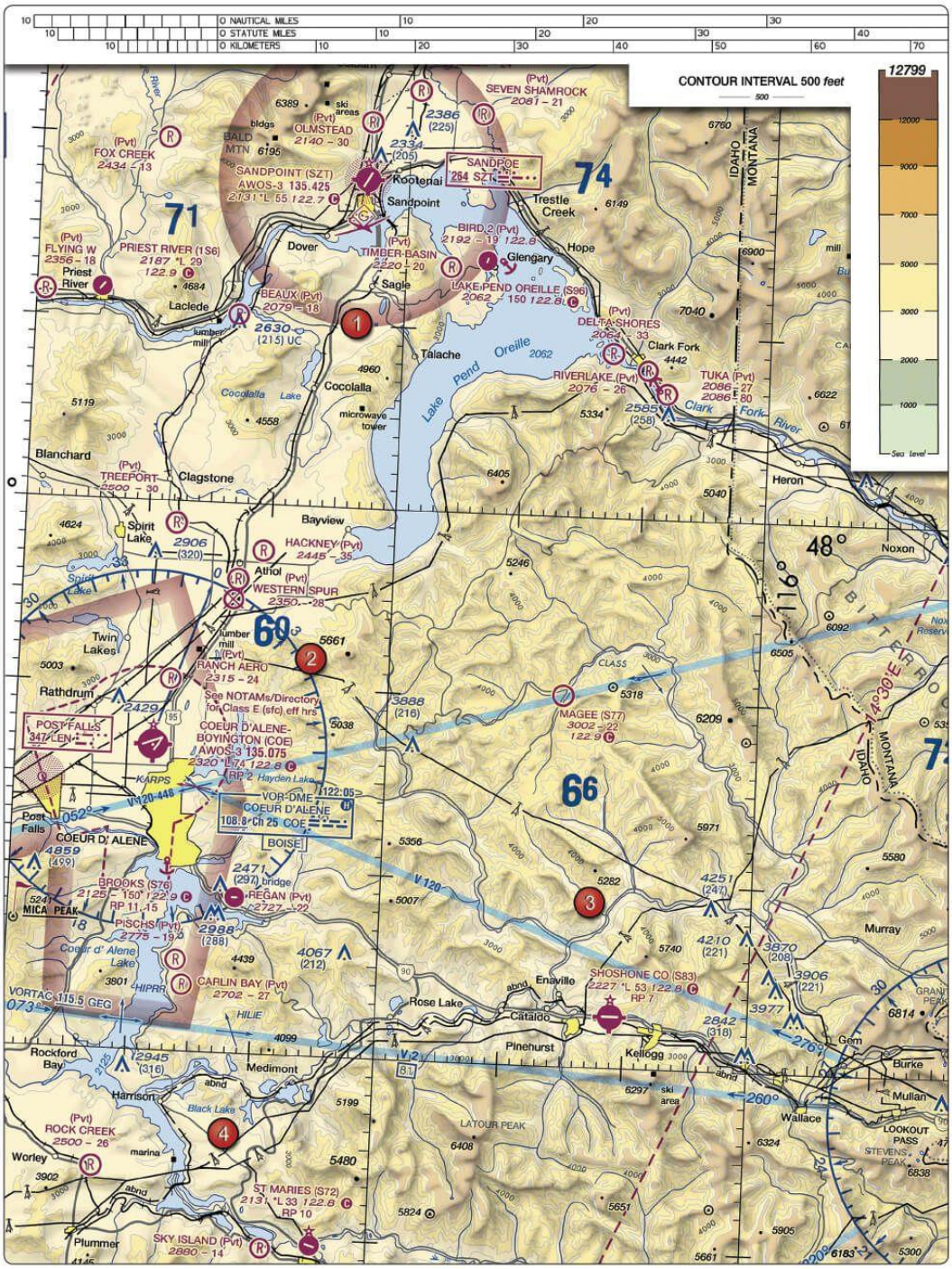

FIGURE 22.—Sectional Chart Excerpt.
NOTE: Chart is not to scale and should not be used for navigation. Use associated scale.

- 38 minutes.
- **43 minutes.**
- 48 minutes.

8. (Refer to Figure 22.) Determine the magnetic heading for a flight from Sandpoint Airport (area 1) to St. Maries Airport (area 4). The wind is from 215° at 25 knots and the true airspeed is 125 knots.

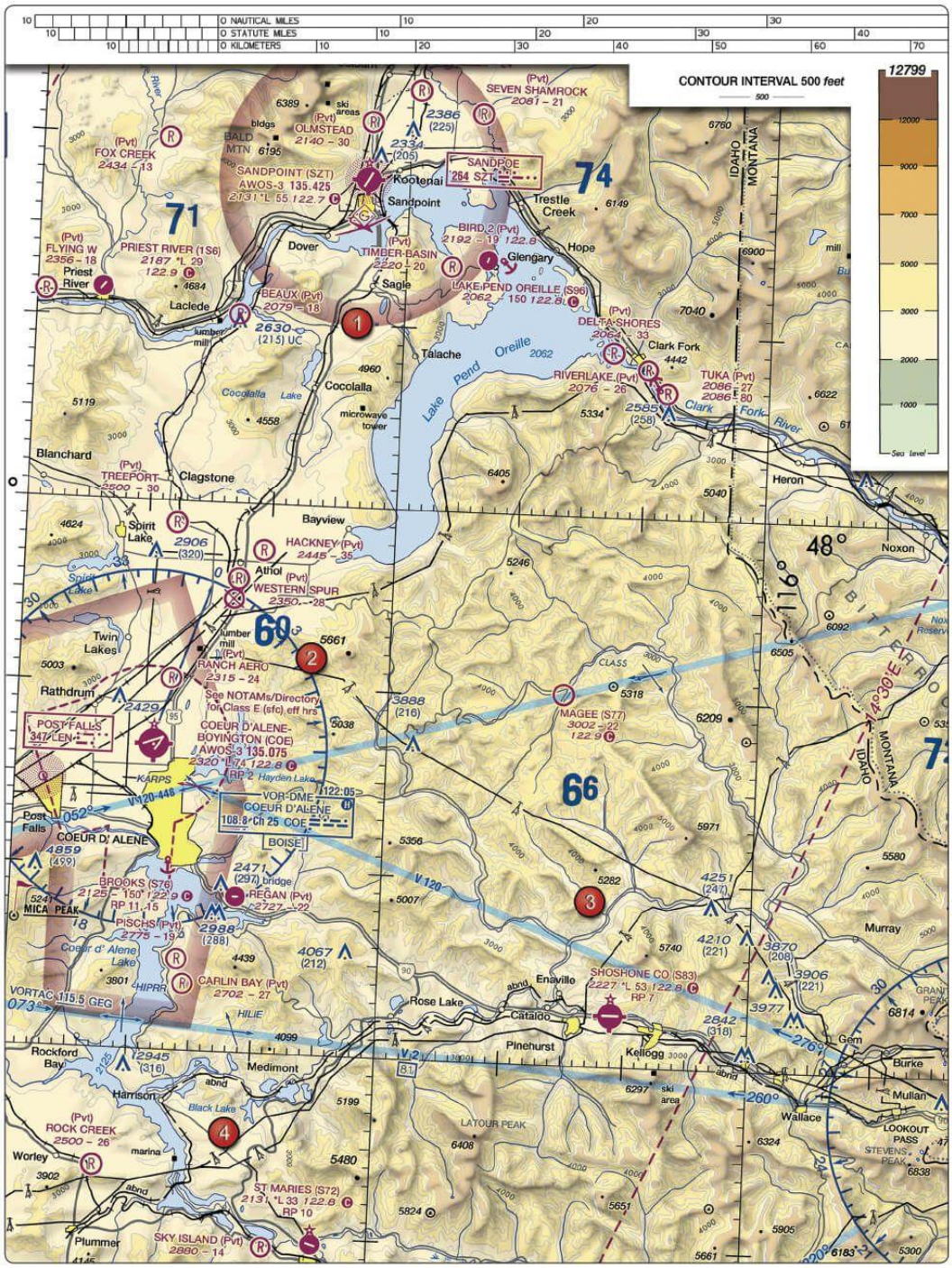

FIGURE 22.—Sectional Chart Excerpt.
NOTE: Chart is not to scale and should not be used for navigation. Use associated scale.

- 352°.
- **<u>172°.</u>**
- 187°.

9. (Refer to Figure 22.) What is the magnetic heading for a flight from Priest River Airport (area 1) to Shoshone County Airport (area 3)? The wind is from 030° at 12 knots and the true airspeed is 95 knots.

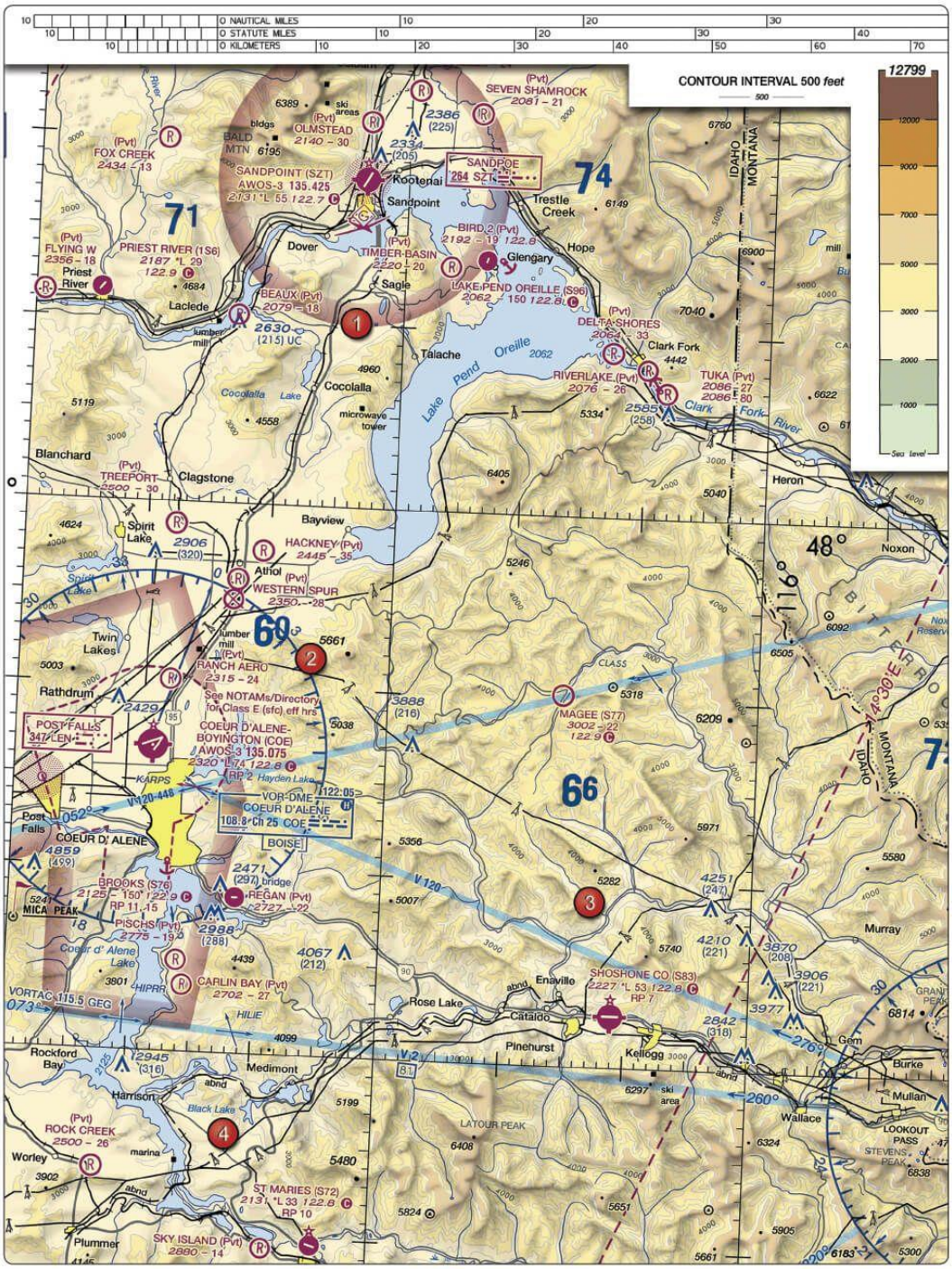

FIGURE 22.—Sectional Chart Excerpt.
NOTE: Chart is not to scale and should not be used for navigation. Use associated scale.

- **121°.**
- 143°.
- 136°.

10. (Refer to Figure 22.) Determine the magnetic heading for a flight from St. Maries Airport (area 4) to Priest River Airport (area 1). The wind is from 340° at 10 knots, and the true airspeed is 90 knots.

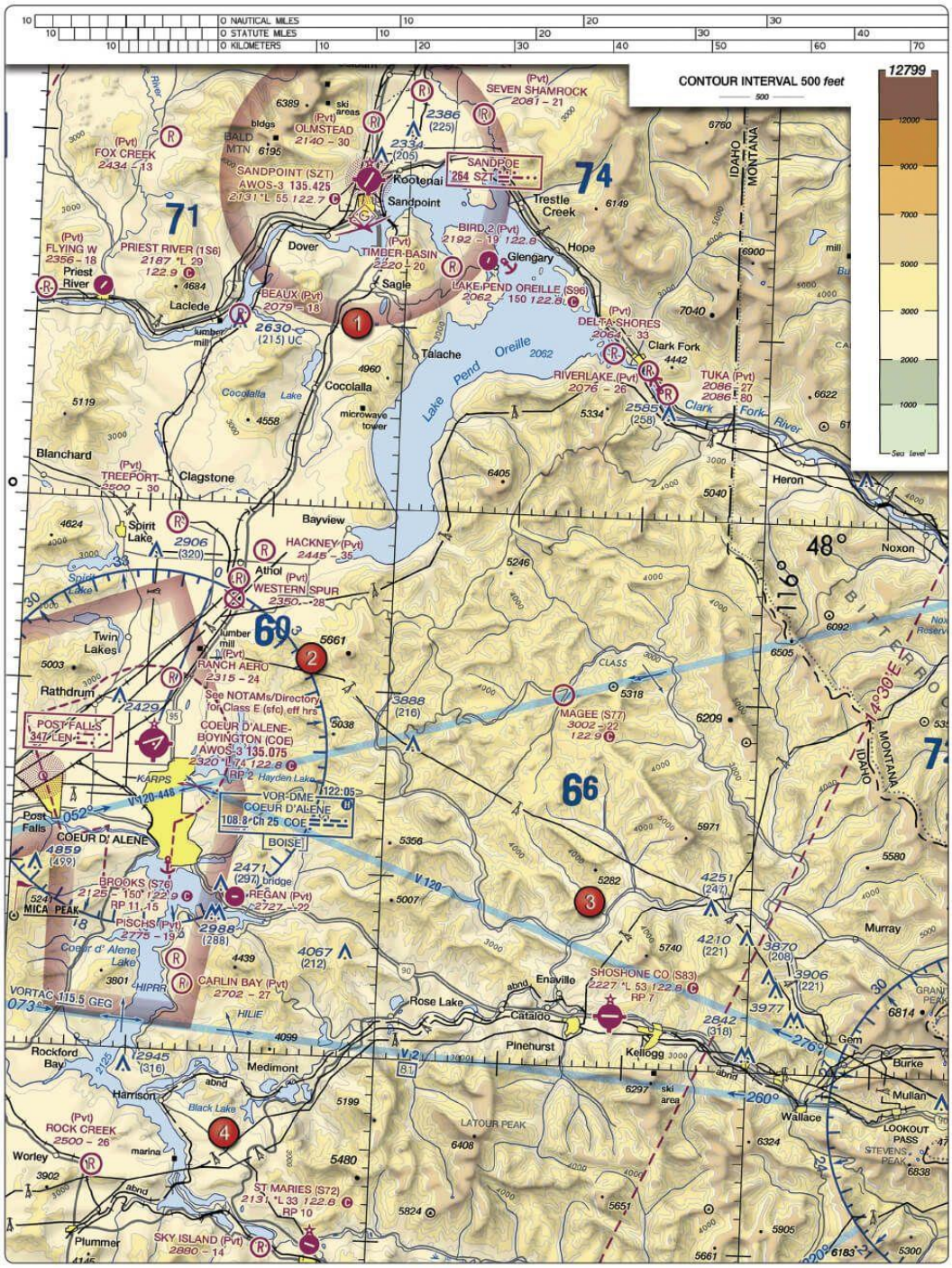

FIGURE 22.—Sectional Chart Excerpt.
NOTE: Chart is not to scale and should not be used for navigation. Use associated scale.

- **329°.**
- 320°.
- 345°.