



## ANSWER KEY

**State Finals  
Golden, Colorado  
April 13, 2002**

**Map Reading  
B Division**

<b>School Name:</b>	
<b>Team #:</b>	
<b>Participants: Name:</b>	
<b>Name:</b>	
<b>Score:</b>	
<b>Event Place:</b>	

This is Part II of a two exam series administered at the 2002 Colorado Regional and State Science Olympiad competitions. A complete set of maps for both Parts I and II may be purchased from Other Worlds Educational Enterprises. Please visit <http://www.otherworlds-edu.com> for details.

1. 1990

● Tie Breaker Question

2. Gunnison
3. It's unpaved
4. 44 miles
5. Range: 4-6 miles
6. Naturita
7. Uncompahgre National Forest
8. A scenic route
9. County seat
10. Telluride Ski Area
11. 14246 feet
12. San Miguel River
13. Range: .60% - .75% = (40 ft ci / 6000 ft \* 100% = .67%)
14. West
15. Range: 37°55'N - 37°57'N
16. Range: 107°48'W - 107°50'W
17. Range: 105° - 111°

● Tie Breaker Question

18. **Range: N15°E – N21°E**
19. **10656 feet**
20. **Range: 580m – 585m = ((10656 ft \*.3048 m/ft = 3248m) – 2665m = 583m)**
21. **1911ft = (10656ft – 8745ft)**
22. **6**
23. **1982**
24. **T42N**
25. **R8W**
26. **U.S. location monument**
27. **Lookout Mountain**
28. **13661 feet = 4164m \* 3.2808ft/m**
29. **Range: 1180-1210ft = ((4164m – 3800m = 364m) \* 3.2808ft/m = 1194ft)**
30. **Delores, Hinsdale, La Plata, Mineral, Montezuma, Ouray, San Juan, San Miguel**
31. **Perennial**
32. **Silverton**
33. **Range: 18 – 20 kilometers**

● **Tie Breaker Question**

34. Amphitheatre

35. A mountain pass

36. 119 kilometers = ((74 miles \* 5,280ft/mile \* .3048m/ft) / 1000m/km)

37. 290 miles

1 point / answer = 48 total points