



Mesa – Wilson Invitational  
January 28, 2015

**Road Scholar**  
Division B



**School Name** \_\_\_\_\_

**Team Number** \_\_\_\_\_

**Team Members** \_\_\_\_\_  
\_\_\_\_\_

**Scoring:**  
**Total** \_\_\_\_\_

Part 1

Part 2

Part 3

Part 4

## Where The Wild Things Are

### Part 1: Road Map

#### Day 1: Picking up the “boat”

A tangerine colored sun slipped into the early morning sky above the small city of Kingman, AZ, which is 105 miles southwest of La Vegas, NV. Kingman is where the new adventure began. Max’s family picked up their new customized RV from a dealer located near the airport in (1) grid location.

Until he felt comfortable driving a motorhome Max’s dad decided that he’d stick to controlled access highways. Gingerly, he pulled out of the lot at 9:53 am and eased onto (2) highway name towards California. When they stopped for lunch off exit 183 in Barstow at (3) time of day they’d driven (4) number of miles and it had taken them (5) length of time.

Once they were settled into the restaurant booth, musing began about places to visit. Max’s Dad thought they should take a January trip to see the elephant seals at their winter stopover in the (6) preserve name Coast Natural Preserve south of the Pigeon Point Lighthouse. He was getting the feel of the RV and was sure he could handle the long stretch of (7) highway name even though it was a (8) type of road.

Mom was intrigued by the desert and said for a winter trip her choice would be to go to Bad Water in (9) national park name. “If I was a bird,” she said “I’d set myself on an azimuth of (10) number of degrees and fly to the top of Mt. Whitney just (11) cardinal direction of Lone Pine. That’s an elevation difference of (12) number of feet over (13) number of miles.

Five year old Max was getting antsy.

“Where would you like to go Max?”

“I know” said Max with a sparkle in his eyes, “Let’s go where the wild things are!” Then he pointed to the RV and said, “That’s our private boat”.

After lunch Max’s Mom took her turn driving. Experienced with big rigs she easily sailed the “boat” towards Bakersfield then on toward Merced. They stopped only for gas and once for a break at the (14) symbol type between exits 77 and 83.

Road weary they pulled into the McConnell State Recreation Area only to discover that their motorhome was 3 feet too long for the campsites. With great relief they snagged a scenic spot at an RV Park in nearby Delhi that was also along the (15) river name.

**Day 2: Picking up the Relatives**

In Davis the big white RV lurched to a halt and out tumbled Max. He let out a “Whoop”, raced around the front yard, bear-hugged his 13 year old cousin Rhoda then snake-squeezed his high school cousin Tripp. When he took off after the dog his dad scooped him up, said, “That’s enough Max,” and carried him straight into the house.

After warm hugs and family hellos were exchanged, Rhoda and Tripp set out in their mom’s SUV to secure a good site in the campground just off the Avenue of the Giants. Reaching (16) county name they cruised to their majestic destination near the town of Weott in (17) state park name.

Once he settled down from his mischief, Max and the grownups piled into the RV and navigated southwest towards Richmond. They crossed the (18) bridge name to San Rafael which is marked yellow because a (19) is required but only in the (20) eastbound/westbound direction.

From there they traveled north. The stars were out when they met up with Rhoda and Tripp who were contentedly listening to the wild sounds of the forest. Dressed in his wolf suit pajamas Max was fast asleep in the RV.



At the destination

**Part 2: Topographic Map**

Max rubbed his morning eyes and peaked out the window. For the first time in his life he saw the lofty redwoods and just like in his favorite book, Max thought the tall forest grew overnight.

“We’re here, we’re here!” he yelled. “This is where the wild things are!”

Rhoda and Tripp were sitting outside with their dad enjoying the fresh foggy air. They’d set up camp in the Burlington Campground located to the southeast of the town of Weott in the (21) campground PLSS location . A more precise location of Burlington Campground is (22) latitude and (23) longitude .

Their plan for the morning was to raft the South Fork of the Eel River. The length of the river between the northern neat line near the Haas Grove and the eastern neat line close to Myers Flat is about 11.5 miles with a drop in elevation of (24) number of feet . The stream gradient of the river is (25) and the river flows to the (26) direction .

“The water’s kind of low right now,” said Tripp.

“You’ll still have a good ride,” said Tripp’s dad, “besides, around here too much water can be a problem. In the winter of 1964 the Eel River flooded and the crest reached 46 feet. In Weott the waters reached an elevation of (27) feet.”

The two moms had gotten up much earlier to take a nature hike. From the campground they crossed a (28) type of road to pick up a trail . When they reached the river they took the (29) to the other side. Max’s mom always brought along a compass and she’d made sure it was adjusted for a magnetic declination (30) number of degrees .

Max was eating breakfast when a friendly ranger walked over. Seeing the (31) map name topographic map that was spread out on the table the ranger wanted to know if it was one of the new generation of digital US Topo maps.

“I don’t think so,” said Rhoda “It’s pretty old”.

The ranger took a closer and saw that it was published in (32) date . Then he asked if they had any questions.

Tripp wanted to know about good hikes. The ranger said that one of the most popular was to walk up the multi-use trail to the Grasshopper Mountain Lookout Tower which is in the (33) sector . It’s the tallest point in the park and has a (34) type of benchmark with the elevation engraved on it. The view from the top is spectacular.

“Looks long and steep, “ said Tripp noticing that the contour interval on the map is (35) .

The ranger said it can get pretty steep in places, but not as steep as the slope gradient of (36) that goes from the Lookout Tower to the benchmark in SE/4 NW/4, Sec 17, T2S, R 2E at a bearing of (37).

“Suppose we drive?” asked Rhoda, looking over at Max.

“You can take Grasshopper Road but you’ll need to get a hold of the (38) quadrangle map so you can see where to pick it up.

“I have questions,” piped up Max. “How come the map is mostly green and what are the brown dots right here?” he said pointing to the big bend in the Eel River to the north of the Northwestern Pacific railroad tracks.

Max’s dad explained that the green is (39) and the brown dots are (40). The ranger wanted to know if they had more questions.

“Where are the wild things?” asked Max.

“All around us,” said “Max’s dad, and with a smile he added, “let’s go find them.”

### **Part 3: Map Profile**

On page 9 complete the map profile from point A to point B.

This profile occurs along Grasshopper Trail in Sec 10, T2S, R2W

**Part 4: Student Map**

When Max and his parents were traveling to his aunt and uncle's house they passed through this area in the Central Valley. On the Student Map draw in the following features:

- 1) Section number 6.
- 2) A horse stable in the SE/4 NW/4 NW/4.
- 3) A vertical benchmark of 26 feet NE/4 SW/4 NE/4.
- 4) A picnic area in the NE/4 NE/4 SW/4.
- 5) A river that crosses the section line 3/4 mile south of the NW corner and 1320 feet west of the NE corner.
- 6) A gravel road that crosses the section 3960 feet north of the SE corner at an azimuth of 215°.
- 7) A dirt path between the horse stable and the picnic area.

The blank Student Map is on page 10.

Answer Sheet

Part 1: AAA California Road Map  
(40 points)

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_ \*\*\*

4) \_\_\_\_\_

5) \_\_\_\_\_

6) \_\_\_\_\_

7) \_\_\_\_\_

8) \_\_\_\_\_

9) \_\_\_\_\_

10) \_\_\_\_\_ \*\*\*

11) \_\_\_\_\_

12) \_\_\_\_\_

13) \_\_\_\_\_

14) \_\_\_\_\_

15) \_\_\_\_\_

16) \_\_\_\_\_

17) \_\_\_\_\_

18) \_\_\_\_\_

19) \_\_\_\_\_

20) \_\_\_\_\_ \*\*\*

Road Map Score

**Answer Sheet**

Part 2: Topographic Map  
(40 points)

21) \_\_\_\_\_

22) \_\_\_\_\_ \*\*\*

23) \_\_\_\_\_ \*\*\*

24) \_\_\_\_\_

25) \_\_\_\_\_ \*\*\*

26) \_\_\_\_\_

27) \_\_\_\_\_

28) \_\_\_\_\_

29) \_\_\_\_\_

30) \_\_\_\_\_

31) \_\_\_\_\_

32) \_\_\_\_\_

33) \_\_\_\_\_

34) \_\_\_\_\_

35) \_\_\_\_\_

36) \_\_\_\_\_ \*\*\*

37) \_\_\_\_\_ \*\*\*

38) \_\_\_\_\_

39) \_\_\_\_\_

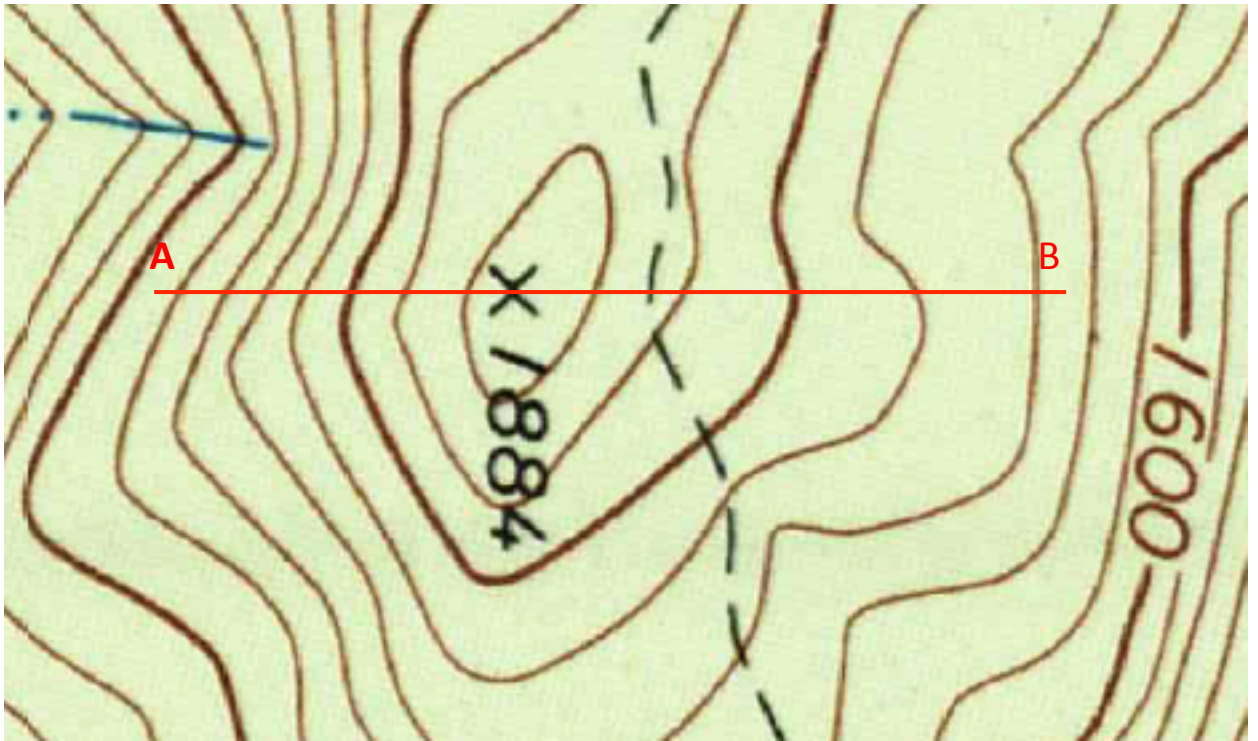
40) \_\_\_\_\_

Topo Map Score

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**Part 3: Map Profile** (30 points)



Elevation

A

B

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Contour interval \_\_\_\_\_

**Part 4: Student Map**  
(28 points)

The square below represents one section (one square mile).  
Please draw the requested features within the square.  
The scale is 1 : 15840 which means that 1" : 1/4 mile or that 1" : 15840".

