

## Summary of Findings of the July 3, 2012 Sound Level Evaluation at the “Helistop” for the IBM - T.J. Watson Research Center

### **Location #1**

The background noise level was approximately 50 dBA.

The helicopter simulated landing flight paths had maximums of 62.9 dBA/71.5 dBA for the West approach/North departure and 70.0 dBA/63.6 dBA for the North approach/West departure.

### **Location #2**

The helicopter sound contribution could not be distinguished accurately from the background noise for this location.

### **Location #3**

The background noise level was slightly less than 50 dBA.

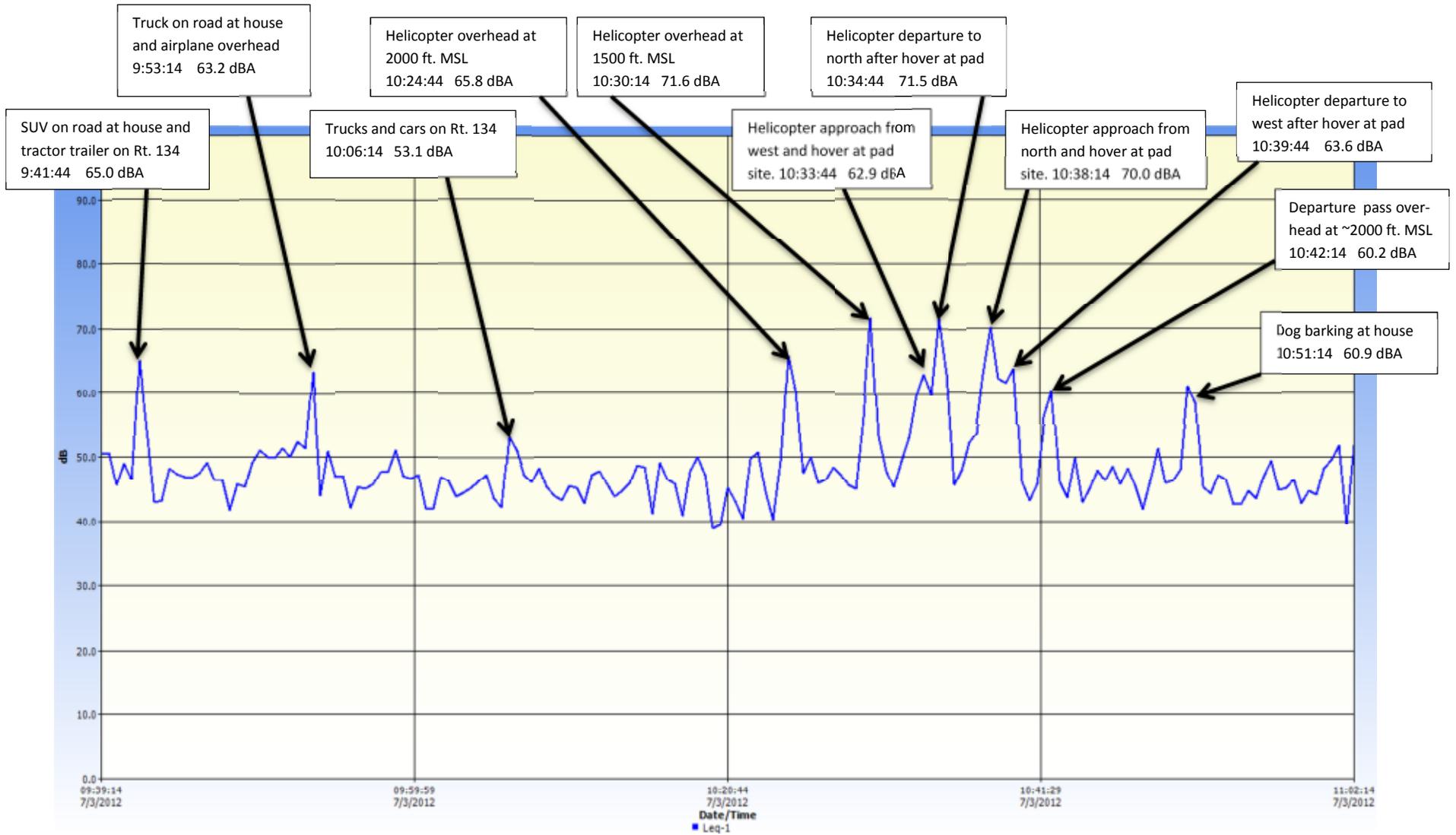
The helicopter simulated landing flight paths had maximums of 61.8 dBA/60.3 dBA for the West approach/North departure and 59.9 dBA/66.8 dBA for the North approach/West departure.

### **Location #4**

The background was in the low to mid 40 dBA range

The helicopter simulated landing flight paths had maximums of 60.3 dBA/64.5 dBA for the West approach/North departure and 61.1 dBA/58.8 dBA for the North approach/West departure.

# Sound Level Evaluation – Helicopter Approaches at Proposed Pad Site – July 3, 2012 - Sampling Location #1 Old Kitchawan Road

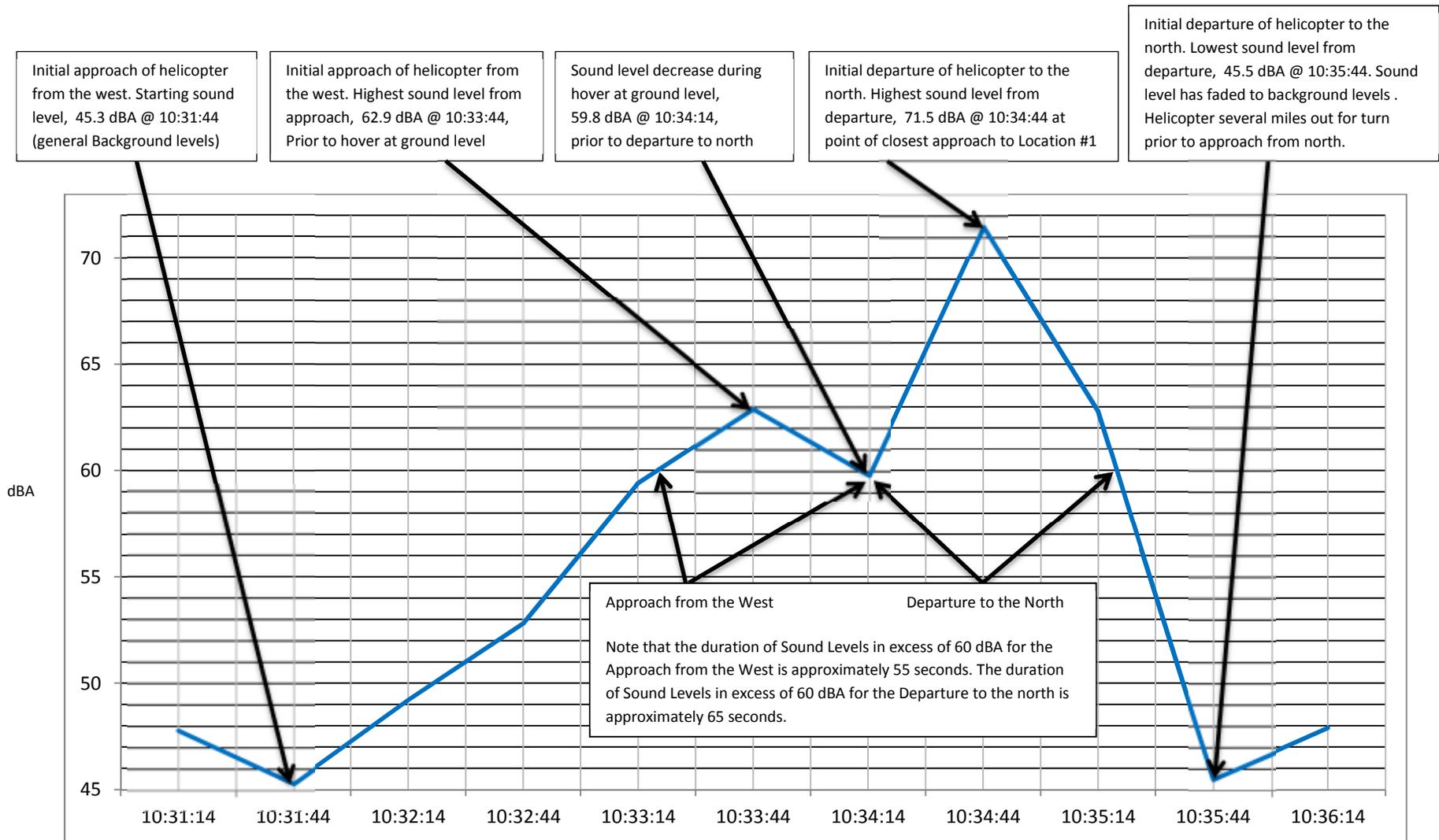


All sample times are plus or minus 20 seconds.

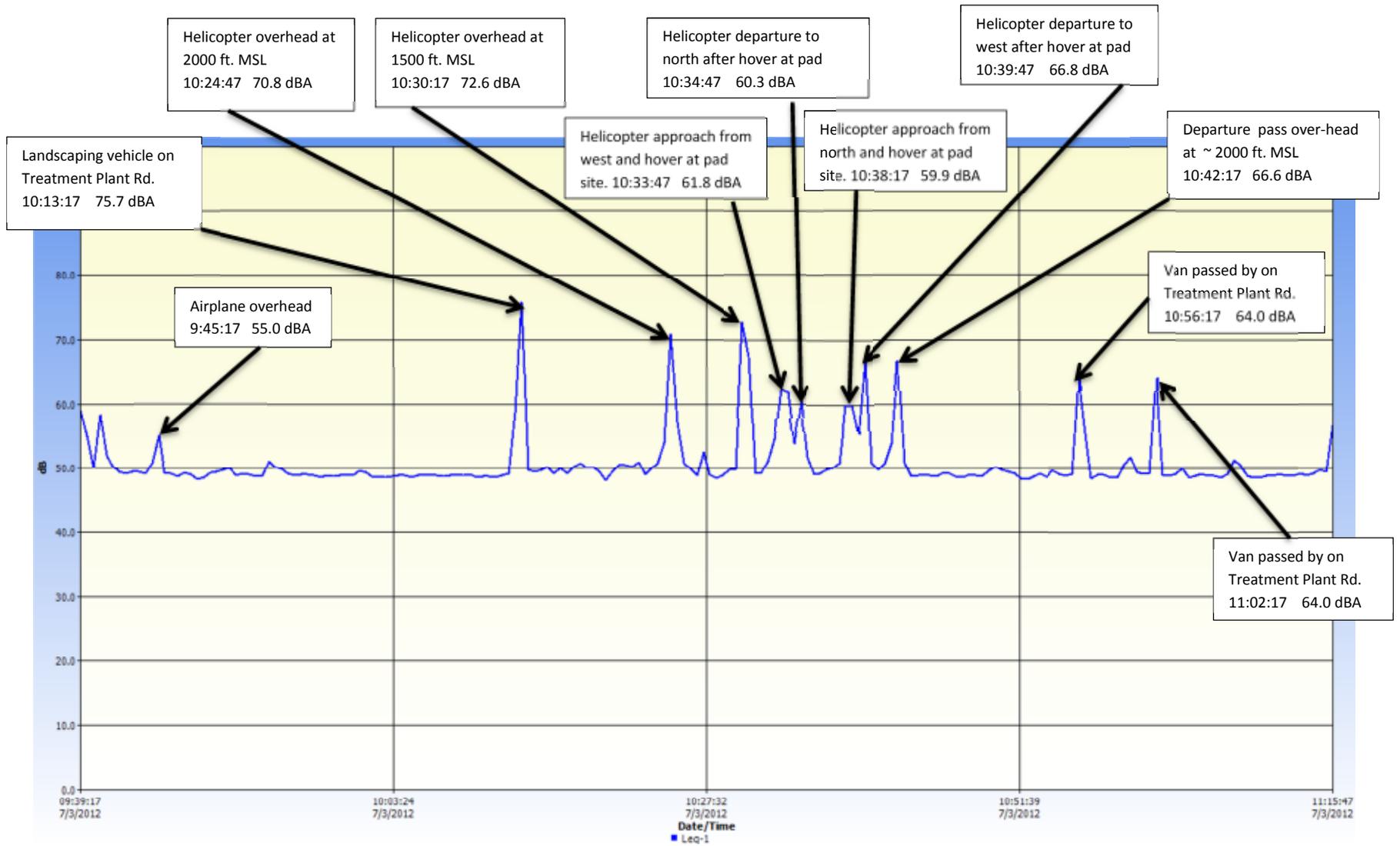
## Sound Level Evaluation – Helicopter Approaches at Proposed IBM “Helistop” Pad Site – July 3, 2012

### Sampling Location #1 Old Kitchawan Road

Expanded Sound Level Scale (dBA) on Left Side and Time Scale on Bottom for Helicopter Initial Approach from West, Hover and Departure to North

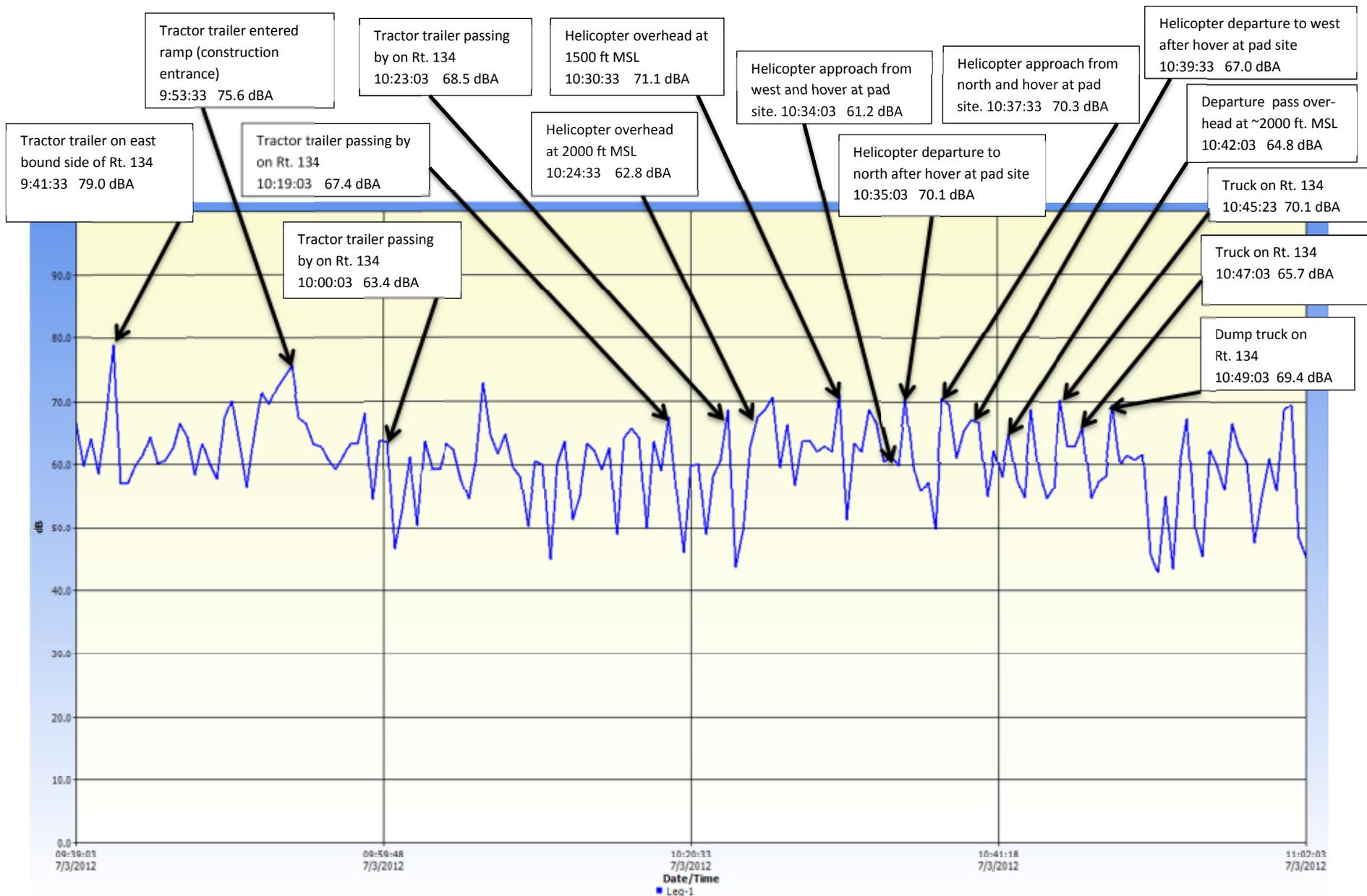


# Sound Level Evaluation – Helicopter Approaches at Proposed Pad Site – July 3, 2012 - Sampling Location #3 Treatment Plant Road



All sample times are plus or minus 20 seconds.

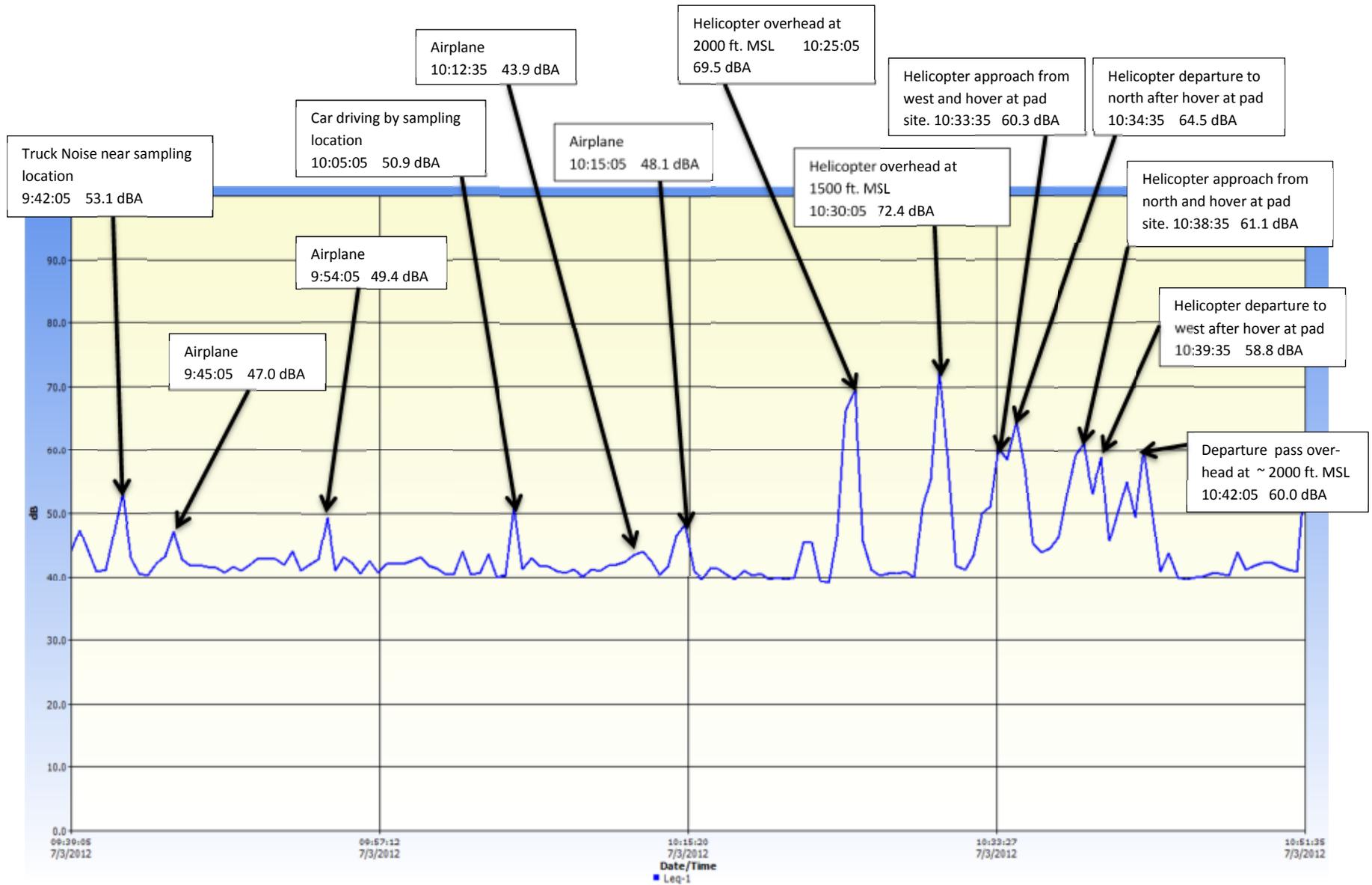
### Sound Level Evaluation – Helicopter Approaches at Proposed Pad Site – July 3, 2012 - Sampling Location #2 Taconic Ramp & Rt. 134



Due to the excessive traffic noise (tractor trailers, cars, SUV's etc.) at this sampling site, it is very difficult to pick out the helicopter contribution.

## Sound Level Evaluation – Helicopter Approaches at Proposed Pad Site – July 3, 2012

### Sampling Location #4 Syska/Barnes Cul de Sac



All sample times are plus or minus 20 seconds.