Project Name: IPET TASK GROUP 6-LIDAR CHECKS Project No: GROUND TRUTH PATCH AREA-PATCH 5

Project Location:

LAKE PONT.-NEW ORLEANS

| Date     | Site    | Ref. Station | Ant. Hgt | Ant. Type                       | Start Point | End Point | Ant. Hgt | Ant. Type                    | Point Code               |
|----------|---------|--------------|----------|---------------------------------|-------------|-----------|----------|------------------------------|--------------------------|
| 01/10/06 | PATCH 5 | PAT5         | 2.063M   | TRIMBLE COMP. L1/L2 W/GRD.PLANE | AG06        |           | 2.063M   | TRIMBLE MICRO-CENTERED L1/L2 | СНК                      |
| 01/10/06 | PATCH 5 | PAT5         | 2.063M   | TRIMBLE COMP. L1/L2 W/GRD.PLANE | PA5A1       | PA5A15    | 2.063M   | TRIMBLE MICRO-CENTERED L1/L2 | 3111                     |
| 01/10/06 | PATCH 5 | PAT5         | 2.063M   | TRIMBLE COMP. L1/L2 W/GRD.PLANE | PA5A16      | PA5A18    | 0.20FT.  | TRIMBLE MICRO-CENTERED L1/L2 | BLDG ROOF CORNERS-HORZ   |
|          | PATCH 5 | PAT5         | 2.063M   | TRIMBLE COMP. L1/L2 W/GRD.PLANE |             | PA5A28    | 2.063M   | TRIMBLE MICRO-CENTERED L1/L2 | 5111                     |
| 01/10/06 | PATCH 5 | PAT5         | 2.063M   | TRIMBLE COMP. L1/L2 W/GRD.PLANE | PA5A29      | PA5A49    | 2.063M   | TRIMBLE MICRO-CENTERED L1/L2 | 4111-CONC-BRIDGE         |
| 01/10/06 | PATCH 5 | PAT5         | 2.063M   | TRIMBLE COMP. L1/L2 W/GRD.PLANE | PA5A50      | PA5A59    | 2.063M   | TRIMBLE MICRO-CENTERED L1/L2 | 6131-SLOPE               |
| 01/10/06 | PATCH 5 | PAT5         | 2.063M   | TRIMBLE COMP. L1/L2 W/GRD.PLANE | PA5A60      | PA5A72    | 2.063M   | TRIMBLE MICRO-CENTERED L1/L2 | 4111-CONC-FLOODWALL-HORZ |
| 01/10/06 | PATCH 5 | PAT5         | 2.063M   | TRIMBLE COMP. L1/L2 W/GRD.PLANE | AG06        |           | 2.063M   | TRIMBLE MICRO-CENTERED L1/L2 | СНК                      |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              |          |                                 |             |           |          |                              |                          |
|          |         |              | 1        |                                 |             |           |          |                              |                          |

|   | Surface Type                |   | Sky Visibility | Surfa | ace Slope    |   | Confidence |
|---|-----------------------------|---|----------------|-------|--------------|---|------------|
| 1 | Dirt                        | 1 | Open           | 1     | Flat         | 1 | Good       |
| 2 | Sand                        | 2 | Part open      | 2     | Slight Slope | 2 | Fair       |
| 3 | Asphalt                     | 3 | Covered        | 3     | Slope        | 3 | Bad        |
| 4 | Concrete                    |   |                |       |              |   |            |
| 5 | Tall Grass                  |   |                |       |              |   |            |
| 6 | Mowed Grass                 |   |                |       |              |   |            |
| 7 | Trees and Brush             |   |                |       |              |   |            |
| 8 | Weeds and short grass       |   |                |       |              |   |            |
| 9 | Thick brush                 |   |                |       |              |   |            |
| Α | Thich cut grass             |   |                |       |              |   |            |
| В | Cultivated field - unplowed |   |                |       |              |   |            |
| С | Limestone                   |   |                |       |              |   |            |
| D | Trees and grass             |   |                |       |              |   |            |
| Е | Gravel                      |   |                |       |              |   |            |
| F | Brush and grass             |   |                |       |              |   |            |

 Project Name:
 Mississippi River Lower Pool 4/5

 Project No:
 02043-15

 Project Location:
 Mississippi River MN,WI

| Date | Site | Ref. Station | Ant. Hgt | Ant. Type | Start Point | End Point | Ant. Hgt | Ant. Type | Point Code |
|------|------|--------------|----------|-----------|-------------|-----------|----------|-----------|------------|
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |

|   | Surface Type                |   | Sky Visibility |   | ace Slope    |   | Confidence |
|---|-----------------------------|---|----------------|---|--------------|---|------------|
| 1 | Dirt                        | 1 | Open           | 1 | Flat         | 1 | Good       |
| 2 | Sand                        | 2 | Part open      | 2 | Slight Slope | 2 | Fair       |
| 3 | Asphalt                     | 3 | Covered        | 3 | Slope        | 3 | Bad        |
| 4 | Concrete                    |   |                |   |              |   |            |
| 5 | Tall Grass                  |   |                |   |              |   |            |
| 6 | Mowed Grass                 |   |                |   |              |   |            |
| 7 | Trees and Brush             |   |                |   |              |   |            |
| 8 | Weeds and short grass       |   |                |   |              |   |            |
| 9 | Thick brush                 |   |                |   |              |   |            |
| Α | Thich cut grass             |   |                |   |              |   |            |
| В | Cultivated field - unplowed |   |                |   |              |   |            |
| С | Limestone                   |   |                |   |              |   |            |
| D | Trees and grass             |   |                |   |              |   |            |
| E | Gravel                      |   |                |   |              |   |            |
| F | Brush and grass             |   |                |   |              |   |            |

 Project Name:
 Mississippi River Lower Pool 4/5

 Project No:
 02043-15

 Project Location:
 Mississippi River MN,WI

| Date | Site | Ref. Station | Ant. Hgt | Ant. Type | Start Point | End Point | Ant. Hgt | Ant. Type | Point Code |
|------|------|--------------|----------|-----------|-------------|-----------|----------|-----------|------------|
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |

|   | Surface Type                |   | Sky Visibility |   | ace Slope    |   | Confidence |
|---|-----------------------------|---|----------------|---|--------------|---|------------|
| 1 | Dirt                        | 1 | Open           | 1 | Flat         | 1 | Good       |
| 2 | Sand                        | 2 | Part open      | 2 | Slight Slope | 2 | Fair       |
| 3 | Asphalt                     | 3 | Covered        | 3 | Slope        | 3 | Bad        |
| 4 | Concrete                    |   |                |   |              |   |            |
| 5 | Tall Grass                  |   |                |   |              |   |            |
| 6 | Mowed Grass                 |   |                |   |              |   |            |
| 7 | Trees and Brush             |   |                |   |              |   |            |
| 8 | Weeds and short grass       |   |                |   |              |   |            |
| 9 | Thick brush                 |   |                |   |              |   |            |
| Α | Thich cut grass             |   |                |   |              |   |            |
| В | Cultivated field - unplowed |   |                |   |              |   |            |
| С | Limestone                   |   |                |   |              |   |            |
| D | Trees and grass             |   |                |   |              |   |            |
| E | Gravel                      |   |                |   |              |   |            |
| F | Brush and grass             |   |                |   |              |   |            |

 Project Name:
 Mississippi River Lower Pool 4/5

 Project No:
 02043-15

 Project Location:
 Mississippi River MN,WI

| Date | Site | Ref. Station | Ant. Hgt | Ant. Type | Start Point | End Point | Ant. Hgt | Ant. Type | Point Code |
|------|------|--------------|----------|-----------|-------------|-----------|----------|-----------|------------|
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |

|   | Surface Type                |   | Sky Visibility |   | ace Slope    |   | Confidence |
|---|-----------------------------|---|----------------|---|--------------|---|------------|
| 1 | Dirt                        | 1 | Open           | 1 | Flat         | 1 | Good       |
| 2 | Sand                        | 2 | Part open      | 2 | Slight Slope | 2 | Fair       |
| 3 | Asphalt                     | 3 | Covered        | 3 | Slope        | 3 | Bad        |
| 4 | Concrete                    |   |                |   |              |   |            |
| 5 | Tall Grass                  |   |                |   |              |   |            |
| 6 | Mowed Grass                 |   |                |   |              |   |            |
| 7 | Trees and Brush             |   |                |   |              |   |            |
| 8 | Weeds and short grass       |   |                |   |              |   |            |
| 9 | Thick brush                 |   |                |   |              |   |            |
| A | Thich cut grass             |   |                |   |              |   |            |
| В | Cultivated field - unplowed |   |                |   |              |   |            |
| С | Limestone                   |   |                |   |              |   |            |
| D | Trees and grass             |   |                |   |              |   |            |
| E | Gravel                      |   |                |   |              |   |            |
| F | Brush and grass             |   |                |   |              |   |            |

 Project Name:
 Mississippi River Lower Pool 4/5

 Project No:
 02043-15

 Project Location:
 Mississippi River MN,WI

| Date | Site | Ref. Station | Ant. Hgt | Ant. Type | Start Point | End Point | Ant. Hgt | Ant. Type | Point Code |
|------|------|--------------|----------|-----------|-------------|-----------|----------|-----------|------------|
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |
|      |      |              |          |           |             |           |          |           |            |

|   | Surface Type                |   | Sky Visibility |   | ace Slope    |   | Confidence |
|---|-----------------------------|---|----------------|---|--------------|---|------------|
| 1 | Dirt                        | 1 | Open           | 1 | Flat         | 1 | Good       |
| 2 | Sand                        | 2 | Part open      | 2 | Slight Slope | 2 | Fair       |
| 3 | Asphalt                     | 3 | Covered        | 3 | Slope        | 3 | Bad        |
| 4 | Concrete                    |   |                |   |              |   |            |
| 5 | Tall Grass                  |   |                |   |              |   |            |
| 6 | Mowed Grass                 |   |                |   |              |   |            |
| 7 | Trees and Brush             |   |                |   |              |   |            |
| 8 | Weeds and short grass       |   |                |   |              |   |            |
| 9 | Thick brush                 |   |                |   |              |   |            |
| A | Thich cut grass             |   |                |   |              |   |            |
| В | Cultivated field - unplowed |   |                |   |              |   |            |
| С | Limestone                   |   |                |   |              |   |            |
| D | Trees and grass             |   |                |   |              |   |            |
| E | Gravel                      |   |                |   |              |   |            |
| F | Brush and grass             |   |                |   |              |   |            |