

## **5.2**

### ***Test Drilling Log***

## ***Test Drilling Log***

Debarwa BH. 1

| Geology |         |                                     |
|---------|---------|-------------------------------------|
| Depth   | Section | Description                         |
| 0       |         | Boulder dominated alluvial deposits |
| 5       |         |                                     |
| 10      |         | Fractured chloritic schist          |
| 15      |         |                                     |
| 20      |         |                                     |
| 25      |         |                                     |
| 30      |         |                                     |
| 35      |         | Chloritic schist                    |
| 40      |         |                                     |
| 45      |         |                                     |
| 50      |         |                                     |
| 55      |         |                                     |
| 60      |         |                                     |
| 65      |         |                                     |
| 70      |         |                                     |
| 75      |         |                                     |
| 80      |         |                                     |

Debarwa BH. 2

| Geology |         |                                                        |
|---------|---------|--------------------------------------------------------|
| Depth   | Section | Description                                            |
| 0       |         | Clay                                                   |
| 5       |         | Fractured laterite gravel with quartz and calcite vein |
| 10      |         |                                                        |
| 15      |         |                                                        |
| 20      |         |                                                        |
| 25      |         |                                                        |
| 30      |         |                                                        |
| 35      |         | Laterite only varies in colour                         |
| 40      |         |                                                        |
| 45      |         |                                                        |
| 50      |         |                                                        |
| 55      |         |                                                        |
| 60      |         |                                                        |
| 65      |         |                                                        |
| 70      |         |                                                        |
| 75      |         |                                                        |
| 80      |         |                                                        |

Debarwa BH. 4

| Geology |         |                                            |
|---------|---------|--------------------------------------------|
| Depth   | Section | Description                                |
| 0       |         | Clay Alluvial deposits                     |
| 5       |         | Weathered laterite with quartz vein        |
| 10      |         |                                            |
| 15      |         |                                            |
| 20      |         |                                            |
| 25      |         | Weathered laterite gravel varies in colour |
| 30      |         |                                            |
| 35      |         |                                            |
| 40      |         |                                            |
| 45      |         |                                            |
| 50      |         |                                            |
| 55      |         | Schist                                     |
| 60      |         |                                            |
| 65      |         |                                            |
| 70      |         |                                            |
| 75      |         |                                            |
| 80      |         |                                            |

Debarwa BH. 5

| Geology |         |                                     |
|---------|---------|-------------------------------------|
| Depth   | Section | Description                         |
| 0       |         | Boulder dominated alluvial deposits |
| 5       |         |                                     |
| 10      |         | Fractured chloritic schist          |
| 15      |         |                                     |
| 20      |         |                                     |
| 25      |         |                                     |
| 30      |         |                                     |
| 35      |         | Chloritic schist                    |
| 40      |         |                                     |
| 45      |         |                                     |
| 50      |         |                                     |
| 55      |         |                                     |
| 60      |         |                                     |
| 65      |         |                                     |
| 70      |         |                                     |
| 75      |         |                                     |
| 80      |         |                                     |

Debarwa BH. 6

| Geology |         |                                                  |
|---------|---------|--------------------------------------------------|
| Depth   | Section | Description                                      |
| 0       |         | Clay                                             |
| 5       |         | Fractured and weathered basalt                   |
| 10      |         |                                                  |
| 15      |         |                                                  |
| 20      |         | Fractured and weathered basalt with calcite vein |
| 25      |         |                                                  |
| 30      |         |                                                  |
| 35      |         |                                                  |
| 40      |         | Fractured laterite gravel with quartz vein       |
| 45      |         |                                                  |
| 50      |         |                                                  |
| 55      |         |                                                  |
| 60      |         |                                                  |
| 65      |         |                                                  |
| 70      |         |                                                  |
| 75      |         |                                                  |
| 80      |         |                                                  |

Debarwa BH. 7

| Geology |         |                                             |
|---------|---------|---------------------------------------------|
| Depth   | Section | Description                                 |
| 0       |         | Clay Alluvial deposits                      |
| 5       |         | Slightly weathered basalt with calcite vein |
| 10      |         |                                             |
| 15      |         | Slightly weathered and fractured basalt     |
| 20      |         |                                             |
| 25      |         | Weathered and fractured basalt              |
| 30      |         |                                             |
| 35      |         | Fractured basalt with quartz vein           |
| 40      |         |                                             |
| 45      |         | Relatively fresh basalt                     |
| 50      |         |                                             |
| 55      |         |                                             |
| 60      |         |                                             |
| 65      |         |                                             |
| 70      |         |                                             |
| 75      |         |                                             |
| 80      |         |                                             |

Debarwa BH. 8

| Geology |         |                                    |
|---------|---------|------------------------------------|
| Depth   | Section | Description                        |
| 0       |         | Clay Alluvial deposits             |
| 5       |         | Weathered basalt with calcite vein |
| 10      |         |                                    |
| 15      |         |                                    |
| 20      |         |                                    |
| 25      |         | Weathered and fractured basalt     |
| 30      |         |                                    |
| 35      |         |                                    |
| 40      |         | Relatively fresh basalt            |
| 45      |         |                                    |
| 50      |         | Weathered and fractured basalt     |
| 55      |         |                                    |
| 60      |         |                                    |
| 65      |         |                                    |
| 70      |         |                                    |
| 75      |         |                                    |
| 80      |         |                                    |

Debarwa BH. 10

| Geology |         |                                                        |
|---------|---------|--------------------------------------------------------|
| Depth   | Section | Description                                            |
| 0       |         | Clay dominated alluvial deposits                       |
| 5       |         |                                                        |
| 10      |         | Slightly fractured laterite gravel                     |
| 15      |         |                                                        |
| 20      |         |                                                        |
| 25      |         |                                                        |
| 30      |         |                                                        |
| 35      |         |                                                        |
| 40      |         | Strongly fractured laterite gravel                     |
| 45      |         |                                                        |
| 50      |         | Fractured laterite gravel with quartz and calcite vein |
| 55      |         |                                                        |
| 60      |         |                                                        |
| 65      |         |                                                        |
| 70      |         |                                                        |
| 75      |         |                                                        |
| 80      |         |                                                        |

Debarwa BH. 11.1

| Geology |         |                                       |
|---------|---------|---------------------------------------|
| Depth   | Section | Description                           |
| 0       |         | Clay                                  |
| 5       |         | Fractured and weathered basalt        |
| 10      |         |                                       |
| 15      |         | Laterite gravel only varies in colour |
| 20      |         |                                       |
| 25      |         | Laterite gravel with epidote dyke     |
| 30      |         |                                       |
| 35      |         | Laterite gravel only varies in colour |
| 40      |         |                                       |
| 45      |         |                                       |
| 50      |         |                                       |
| 55      |         |                                       |
| 60      |         |                                       |
| 65      |         |                                       |
| 70      |         |                                       |
| 75      |         |                                       |
| 80      |         |                                       |

Debarwa BH. 11.2

| Geology |         |                                                        |
|---------|---------|--------------------------------------------------------|
| Depth   | Section | Description                                            |
| 0       |         | Fractured weathered basalt                             |
| 5       |         |                                                        |
| 10      |         | Fractured and weathered basalt with quartz vein        |
| 15      |         |                                                        |
| 20      |         | Strongly fractured laterite gravel                     |
| 25      |         |                                                        |
| 30      |         |                                                        |
| 35      |         | Fractured laterite gravel with quartz and calcite vein |
| 40      |         |                                                        |
| 45      |         |                                                        |
| 50      |         |                                                        |
| 55      |         |                                                        |
| 60      |         |                                                        |
| 65      |         |                                                        |
| 70      |         |                                                        |
| 75      |         |                                                        |
| 80      |         |                                                        |

Dekemhare BH. 1

| Geology |         |                        |
|---------|---------|------------------------|
| Depth   | Section | Description            |
| 0       |         | Clay                   |
| 5       |         | Coarse sand            |
| 10      |         | Fine sand              |
| 15      |         | Silty sand             |
| 20      |         | Coarse sand            |
| 25      |         | Weathered granite rock |
| 30      |         |                        |
| 35      |         | Granite rock           |
| 40      |         |                        |
| 45      |         | Pink granite rock      |
| 50      |         | Aplitic dyke           |
| 55      |         | Pink granite rock      |
| 60      |         |                        |
| 65      |         |                        |
| 70      |         |                        |
| 75      |         |                        |
| 80      |         |                        |

Dekemhare BH. 2

| Geology |         |                        |
|---------|---------|------------------------|
| Depth   | Section | Description            |
| 0       |         | Clay                   |
| 5       |         |                        |
| 10      |         | Coarse sand            |
| 15      |         | Granite rock           |
| 20      |         | Fractured granite rock |
| 25      |         |                        |
| 30      |         | Granite rock           |
| 35      |         |                        |
| 40      |         |                        |
| 45      |         |                        |
| 50      |         |                        |
| 55      |         |                        |
| 60      |         |                        |
| 65      |         |                        |
| 70      |         |                        |
| 75      |         |                        |
| 80      |         |                        |

Dekemhare BH. 3

| Geology |         |                                              |
|---------|---------|----------------------------------------------|
| Depth   | Section | Description                                  |
| 0       |         | Marl                                         |
| 5       |         | Weathered granite rock                       |
| 10      |         |                                              |
| 15      |         |                                              |
| 20      |         |                                              |
| 25      |         | Weathered pink granite rock                  |
| 30      |         |                                              |
| 35      |         |                                              |
| 40      |         | Weathered pink granite rock with quartz vein |
| 45      |         |                                              |
| 50      |         | Weathered pink granite rock                  |
| 55      |         | Pink granite rock                            |
| 60      |         |                                              |
| 65      |         |                                              |
| 70      |         |                                              |
| 75      |         |                                              |
| 80      |         |                                              |

Dekemhare BH. 4

| Geology |         |                                      |
|---------|---------|--------------------------------------|
| Depth   | Section | Description                          |
| 0       |         |                                      |
| 5       |         | Coarse grained sand                  |
| 10      |         |                                      |
| 15      |         | Weathered and fractured granite rock |
| 20      |         |                                      |
| 25      |         |                                      |
| 30      |         | Weathered and fractured granite rock |
| 35      |         |                                      |
| 40      |         |                                      |
| 45      |         | Massive granite rock                 |
| 50      |         |                                      |
| 55      |         |                                      |
| 60      |         |                                      |
| 65      |         |                                      |
| 70      |         |                                      |
| 75      |         |                                      |
| 80      |         |                                      |

Dekemhare BH. 5

| Geology |         |                                 |
|---------|---------|---------------------------------|
| Depth   | Section | Description                     |
| 0       |         | Silt                            |
| 5       |         | Coarse sand                     |
| 10      |         | Clay                            |
| 15      |         | Coarse to medium size sand      |
| 20      |         | Strongly weathered granite rock |
| 25      |         |                                 |
| 30      |         | Weathered granodiorite rock     |
| 35      |         |                                 |
| 40      |         | Massive granodiorite rock       |
| 45      |         |                                 |
| 50      |         |                                 |
| 55      |         |                                 |
| 60      |         |                                 |
| 65      |         |                                 |
| 70      |         |                                 |
| 75      |         |                                 |
| 80      |         |                                 |

Dekemhare BH. 6

| Geology |         |                                     |
|---------|---------|-------------------------------------|
| Depth   | Section | Description                         |
| 0       |         | Boulder dominated alluvial deposits |
| 5       |         |                                     |
| 10      |         | Weathered granite rock              |
| 15      |         |                                     |
| 20      |         |                                     |
| 25      |         | Massive granite rock                |
| 30      |         |                                     |
| 35      |         |                                     |
| 40      |         | Massive granite rock                |
| 45      |         |                                     |
| 50      |         |                                     |
| 55      |         |                                     |
| 60      |         |                                     |
| 65      |         |                                     |
| 70      |         |                                     |
| 75      |         |                                     |
| 80      |         |                                     |

May-dima BH. 1

| Geology |                                                                                   |                                      |
|---------|-----------------------------------------------------------------------------------|--------------------------------------|
| Depth   | Section                                                                           | Description                          |
| 0       |  | Strongly weathered granodiorite rock |
| 5       |  |                                      |
| 10      |  |                                      |
| 15      |  |                                      |
| 20      |  |                                      |
| 25      |  |                                      |
| 30      |  |                                      |
| 35      |  |                                      |
| 40      |  |                                      |
| 45      |  |                                      |
| 50      |  | Massive granodiorite rock            |
| 55      |  |                                      |
| 60      |  |                                      |
| 65      |  |                                      |
| 70      |  |                                      |
| 75      |  | Massive granodiorite rock            |
| 80      |  |                                      |
| 85      |  |                                      |
| 90      |  |                                      |

May-dima BH. 3

| Geology |                                                                                   |                           |
|---------|-----------------------------------------------------------------------------------|---------------------------|
| Depth   | Section                                                                           | Description               |
| 0       |  | Clay                      |
| 5       |  |                           |
| 10      |  |                           |
| 15      |  |                           |
| 20      |  | Massive granodiorite rock |
| 25      |  |                           |
| 30      |  |                           |
| 35      |  |                           |
| 40      |  |                           |
| 45      |  |                           |
| 50      |  |                           |
| 55      |  |                           |
| 60      |  |                           |
| 65      |  |                           |
| 70      |  | Massive granodiorite rock |
| 75      |  |                           |
| 80      |  |                           |

May-dima BH. 4

| Geology |                                                                                     |                           |
|---------|-------------------------------------------------------------------------------------|---------------------------|
| Depth   | Section                                                                             | Description               |
| 0       |  | Clay                      |
| 5       |  |                           |
| 10      |  |                           |
| 15      |  |                           |
| 20      |  | Massive granodiorite rock |
| 25      |  |                           |
| 30      |  |                           |
| 35      |  |                           |
| 40      |  |                           |
| 45      |  |                           |
| 50      |  |                           |
| 55      |  |                           |
| 60      |  |                           |
| 65      |  |                           |
| 70      |  | Massive granodiorite rock |
| 75      |  |                           |
| 80      |  |                           |

May-dima BH. 5

| Geology |                                                                                     |                                     |
|---------|-------------------------------------------------------------------------------------|-------------------------------------|
| Depth   | Section                                                                             | Description                         |
| 0       |  | Boulder dominated alluvial deposits |
| 5       |  |                                     |
| 10      |  |                                     |
| 15      |  |                                     |
| 20      |  | Massive granodiorite rock           |
| 25      |  |                                     |
| 30      |  |                                     |
| 35      |  |                                     |
| 40      |  |                                     |
| 45      |  |                                     |
| 50      |  |                                     |
| 55      |  |                                     |
| 60      |  |                                     |
| 65      |  |                                     |
| 70      |  | Massive granodiorite rock           |
| 75      |  |                                     |
| 80      |  |                                     |
| 90      |  |                                     |

May-dima BH. 6

| Geology |                                                                                     |                           |
|---------|-------------------------------------------------------------------------------------|---------------------------|
| Depth   | Section                                                                             | Description               |
| 0       |    | Clay                      |
| 5       |    |                           |
| 10      |   |                           |
| 15      |  |                           |
| 20      |  | Massive granodiorite rock |
| 25      |  |                           |
| 30      |  |                           |
| 35      |  |                           |
| 40      |  |                           |
| 45      |  |                           |
| 50      |  |                           |
| 55      |  |                           |
| 60      |  |                           |
| 65      |  |                           |
| 70      |  | Massive granodiorite rock |
| 75      |  |                           |
| 80      |  |                           |

May-dima BH. 7

| Geology |                                                                                     |                                      |
|---------|-------------------------------------------------------------------------------------|--------------------------------------|
| Depth   | Section                                                                             | Description                          |
| 0       |    | Strongly weathered granodiorite rock |
| 5       |    |                                      |
| 10      |   |                                      |
| 15      |  |                                      |
| 20      |  | Massive granodiorite rock            |
| 25      |  |                                      |
| 30      |  |                                      |
| 35      |  |                                      |
| 40      |  |                                      |
| 45      |  |                                      |
| 50      |  |                                      |
| 55      |  |                                      |
| 60      |  |                                      |
| 65      |  |                                      |
| 70      |  | Massive granodiorite rock            |
| 75      |  |                                      |
| 80      |  |                                      |

May-dima BH. 8

| Geology |                                                                                       |                           |
|---------|---------------------------------------------------------------------------------------|---------------------------|
| Depth   | Section                                                                               | Description               |
| 0       |    | Sand                      |
| 5       |    |                           |
| 10      |   |                           |
| 15      |  |                           |
| 20      |  | Massive granodiorite rock |
| 25      |  |                           |
| 30      |  |                           |
| 35      |  |                           |
| 40      |  |                           |
| 45      |  |                           |
| 50      |  |                           |
| 55      |  |                           |
| 60      |  |                           |
| 65      |  |                           |
| 70      |  | Massive granodiorite rock |
| 75      |  |                           |
| 80      |  |                           |

May-dima BH. 9

| Geology |                                                                                       |                                 |
|---------|---------------------------------------------------------------------------------------|---------------------------------|
| Depth   | Section                                                                               | Description                     |
| 0       |    | Strongly weathered granite rock |
| 5       |    |                                 |
| 10      |   |                                 |
| 15      |  |                                 |
| 20      |  | Massive granodiorite rock       |
| 25      |  |                                 |
| 30      |  |                                 |
| 35      |  |                                 |
| 40      |  |                                 |
| 45      |  |                                 |
| 50      |  |                                 |
| 55      |  |                                 |
| 60      |  |                                 |
| 65      |  |                                 |
| 70      |  | Massive granodiorite rock       |
| 75      |  |                                 |
| 80      |  |                                 |

Adi Keyih BH. 1

| Geology |         |                            |
|---------|---------|----------------------------|
| Depth   | Section | Description                |
| 0       |         |                            |
| 5       |         | Clay                       |
| 10      |         |                            |
| 15      |         |                            |
| 20      |         | Siltstone varies in colour |
| 25      |         |                            |
| 30      |         |                            |
| 35      |         |                            |
| 40      |         |                            |
| 45      |         |                            |
| 50      |         |                            |
| 55      |         |                            |
| 60      |         |                            |
| 65      |         |                            |
| 70      |         |                            |
| 75      |         |                            |
| 80      |         |                            |

Adi Keyih BH. 4

| Geology |         |                  |
|---------|---------|------------------|
| Depth   | Section | Description      |
| 0       |         |                  |
| 5       |         | Weathered Schist |
| 10      |         |                  |
| 15      |         | Graphitic schist |
| 20      |         |                  |
| 25      |         |                  |
| 30      |         |                  |
| 35      |         |                  |
| 40      |         | Graphitic schist |
| 45      |         |                  |
| 50      |         |                  |
| 55      |         |                  |
| 60      |         |                  |
| 65      |         |                  |
| 70      |         |                  |
| 75      |         |                  |
| 80      |         |                  |

Adi Keyih BH. 5

| Geology |         |                  |
|---------|---------|------------------|
| Depth   | Section | Description      |
| 0       |         |                  |
| 5       |         | Clay             |
| 10      |         | Weathered Schist |
| 15      |         |                  |
| 20      |         |                  |
| 25      |         | Graphitic schist |
| 30      |         |                  |
| 35      |         |                  |
| 40      |         | Graphitic schist |
| 45      |         |                  |
| 50      |         |                  |
| 55      |         |                  |
| 60      |         |                  |
| 65      |         |                  |
| 70      |         |                  |
| 75      |         |                  |
| 80      |         |                  |

Adi Keyih BH. 6

| Geology |         |                                         |
|---------|---------|-----------------------------------------|
| Depth   | Section | Description                             |
| 0       |         |                                         |
| 5       |         | Clay                                    |
| 10      |         | Strongly weathered and fractured schist |
| 15      |         | Weathered graphitic schist              |
| 20      |         |                                         |
| 25      |         | Graphitic schist                        |
| 30      |         |                                         |
| 35      |         |                                         |
| 40      |         | Graphitic schist                        |
| 45      |         |                                         |
| 50      |         |                                         |
| 55      |         |                                         |
| 60      |         |                                         |
| 65      |         |                                         |
| 70      |         |                                         |
| 75      |         |                                         |
| 80      |         |                                         |

Adi Keyih BH. 7

| Geology |         |                                         |
|---------|---------|-----------------------------------------|
| Depth   | Section | Description                             |
| 0       |         |                                         |
| 5       |         | Clay                                    |
| 10      |         | Strongly weathered and fractured schist |
| 15      |         | Weathered schist                        |
| 20      |         |                                         |
| 25      |         | Massive schist                          |
| 30      |         |                                         |
| 35      |         |                                         |
| 40      |         | Massive schist                          |
| 45      |         |                                         |
| 50      |         |                                         |
| 55      |         |                                         |
| 60      |         |                                         |
| 65      |         |                                         |
| 70      |         |                                         |
| 75      |         |                                         |
| 80      |         |                                         |

Adi Keyih BH. 9

| Geology |         |                                             |
|---------|---------|---------------------------------------------|
| Depth   | Section | Description                                 |
| 0       |         |                                             |
| 5       |         | Clay                                        |
| 10      |         |                                             |
| 15      |         | Strongly weathered schist                   |
| 20      |         |                                             |
| 25      |         | Weathered graphitic schist with quartz vein |
| 30      |         |                                             |
| 35      |         | Graphitic schist                            |
| 40      |         |                                             |
| 45      |         | Graphitic schist with quartz vein           |
| 50      |         |                                             |
| 55      |         |                                             |
| 60      |         |                                             |
| 65      |         |                                             |
| 70      |         |                                             |
| 75      |         |                                             |
| 80      |         |                                             |

Adi Keyih BH. 10

| Geology |         |                            |
|---------|---------|----------------------------|
| Depth   | Section | Description                |
| 0       |         |                            |
| 5       |         | Clay                       |
| 10      |         |                            |
| 15      |         | Weathered graphitic schist |
| 20      |         |                            |
| 25      |         | Graphitic schist           |
| 30      |         |                            |
| 35      |         |                            |
| 40      |         | Graphitic schist           |
| 45      |         |                            |
| 50      |         |                            |
| 55      |         |                            |
| 60      |         |                            |
| 65      |         |                            |
| 70      |         |                            |
| 75      |         |                            |
| 80      |         |                            |

Adi Keyih BH. 11

| Geology |         |                                |
|---------|---------|--------------------------------|
| Depth   | Section | Description                    |
| 0       |         |                                |
| 5       |         | Clay                           |
| 10      |         |                                |
| 15      |         | Weathered and fractured Schist |
| 20      |         |                                |
| 25      |         | Weathered schist               |
| 30      |         |                                |
| 35      |         |                                |
| 40      |         | Massive schist                 |
| 45      |         |                                |
| 50      |         |                                |
| 55      |         |                                |
| 60      |         |                                |
| 65      |         |                                |
| 70      |         |                                |
| 75      |         |                                |
| 80      |         |                                |

Adi Keyih BH. 13

| Geology |         |                                         |
|---------|---------|-----------------------------------------|
| Depth   | Section | Description                             |
| 0       |         |                                         |
| 5       |         | Clay                                    |
| 10      |         | Strongly weathered and fractured schist |
| 15      |         | Weathered schist                        |
| 20      |         |                                         |
| 25      |         | Massive schist                          |
| 30      |         |                                         |
| 35      |         |                                         |
| 40      |         | Massive schist                          |
| 45      |         |                                         |
| 50      |         |                                         |
| 55      |         |                                         |
| 60      |         |                                         |
| 65      |         |                                         |
| 70      |         |                                         |
| 75      |         |                                         |
| 80      |         |                                         |

Adi Keyih BH. 14

| Geology |         |                                |
|---------|---------|--------------------------------|
| Depth   | Section | Description                    |
| 0       |         |                                |
| 5       |         | Clay                           |
| 10      |         | Silty sand                     |
| 15      |         | Weathered and fractured Schist |
| 20      |         |                                |
| 25      |         | Massive Schist                 |
| 30      |         |                                |
| 35      |         |                                |
| 40      |         | Massive Schist                 |
| 45      |         |                                |
| 50      |         |                                |
| 55      |         |                                |
| 60      |         |                                |
| 65      |         |                                |
| 70      |         |                                |
| 75      |         |                                |
| 80      |         |                                |

Adi Keyih BH. 15

| Geology |         |                              |
|---------|---------|------------------------------|
| Depth   | Section | Description                  |
| 0       |         |                              |
| 5       |         | Clay                         |
| 10      |         | Sand with cely               |
| 15      |         | Strongly weathered sandstone |
| 20      |         | Weathered sandstone          |
| 25      |         |                              |
| 30      |         | Fresh sandstone              |
| 35      |         |                              |
| 40      |         | Fresh sandstone              |
| 45      |         |                              |
| 50      |         |                              |
| 55      |         |                              |
| 60      |         |                              |
| 65      |         |                              |
| 70      |         |                              |
| 75      |         |                              |
| 80      |         |                              |

Adi Keyih BH. 16

| Geology |         |                                                 |
|---------|---------|-------------------------------------------------|
| Depth   | Section | Description                                     |
| 0       |         |                                                 |
| 5       |         | Clay                                            |
| 10      |         | Silty sand                                      |
| 15      |         | Weathered and fractured Schist                  |
| 20      |         | Weathered and fractured Schist with quartz vein |
| 25      |         | Massive Schist                                  |
| 30      |         | Fractured Schist                                |
| 35      |         |                                                 |
| 40      |         | Massive Schist                                  |
| 45      |         |                                                 |
| 50      |         |                                                 |
| 55      |         |                                                 |
| 60      |         |                                                 |
| 65      |         |                                                 |
| 70      |         |                                                 |
| 75      |         |                                                 |
| 80      |         |                                                 |

Adi Keyih BH. 17

| Geology |         |                                         |
|---------|---------|-----------------------------------------|
| Depth   | Section | Description                             |
| 0       |         |                                         |
| 5       |         | Clay                                    |
| 10      |         | Strongly Weathered and fractured basalt |
| 15      |         |                                         |
| 20      |         |                                         |
| 25      |         | Massive Schist                          |
| 30      |         |                                         |
| 35      |         |                                         |
| 40      |         | Massive Schist                          |
| 45      |         |                                         |
| 50      |         |                                         |
| 55      |         |                                         |
| 60      |         |                                         |
| 65      |         |                                         |
| 70      |         |                                         |
| 75      |         |                                         |
| 80      |         |                                         |

Adi Keyih BH. 18

| Geology |         |                                         |
|---------|---------|-----------------------------------------|
| Depth   | Section | Description                             |
| 0       |         |                                         |
| 5       |         | Clay                                    |
| 10      |         | Strongly weathered and fractured schist |
| 15      |         | Weathered schist                        |
| 20      |         |                                         |
| 25      |         | Massive schist                          |
| 30      |         |                                         |
| 35      |         |                                         |
| 40      |         | Massive schist                          |
| 45      |         |                                         |
| 50      |         |                                         |
| 55      |         |                                         |
| 60      |         |                                         |
| 65      |         |                                         |
| 70      |         |                                         |
| 75      |         |                                         |
| 80      |         |                                         |

Adi Keyih BH. 19

| Geology |         |                                         |
|---------|---------|-----------------------------------------|
| Depth   | Section | Description                             |
| 0       |         |                                         |
| 5       |         | Clay                                    |
| 10      |         | Strongly weathered and fractured schist |
| 15      |         | Weathered schist                        |
| 20      |         |                                         |
| 25      |         | Massive schist                          |
| 30      |         |                                         |
| 35      |         |                                         |
| 40      |         |                                         |
| 45      |         |                                         |
| 50      |         |                                         |
| 55      |         |                                         |
| 60      |         |                                         |
| 65      |         |                                         |
| 70      |         |                                         |
| 75      |         |                                         |
| 80      |         |                                         |

Adi Keyih BH. 20

| Geology |         |                                                          |
|---------|---------|----------------------------------------------------------|
| Depth   | Section | Description                                              |
| 0       |         |                                                          |
| 5       |         | Clay                                                     |
| 10      |         | Strongly Weathered and fractured schist with quartz vein |
| 15      |         | Moderately weathered and fractured schist                |
| 20      |         |                                                          |
| 25      |         | Massive Schist                                           |
| 30      |         |                                                          |
| 35      |         |                                                          |
| 40      |         |                                                          |
| 45      |         |                                                          |
| 50      |         |                                                          |
| 55      |         |                                                          |
| 60      |         |                                                          |
| 65      |         |                                                          |
| 70      |         |                                                          |
| 75      |         |                                                          |
| 80      |         |                                                          |

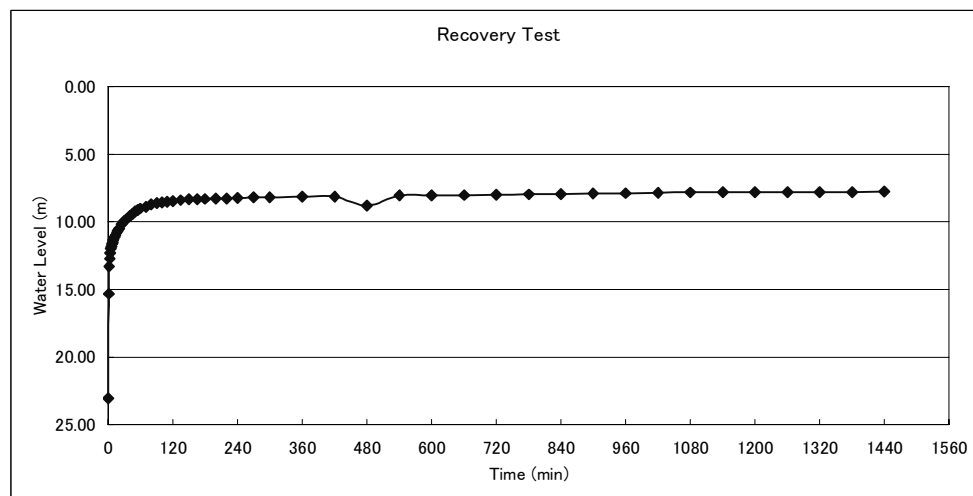
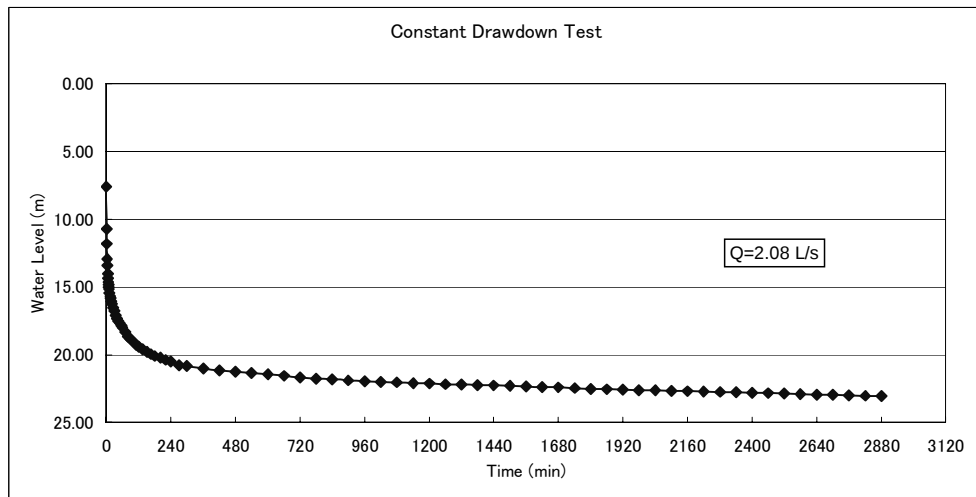
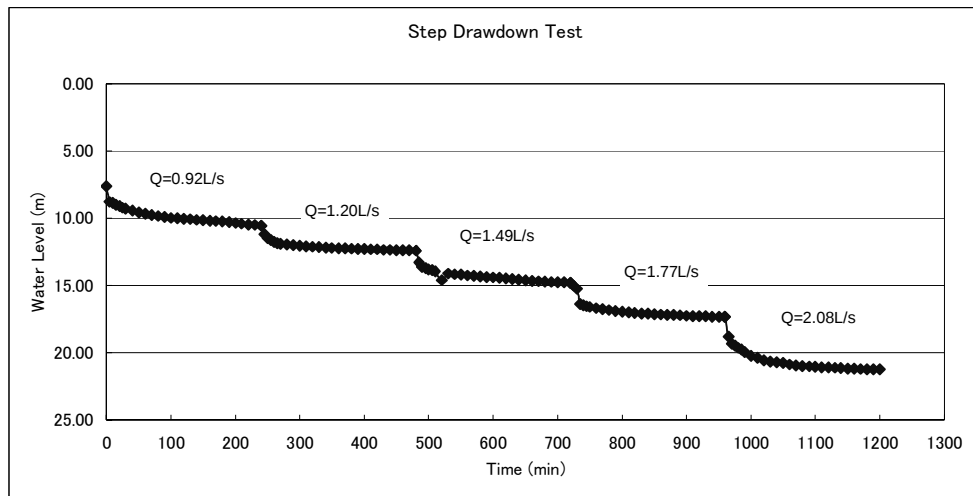
## **5.3**

### ***Pumping Test Results***

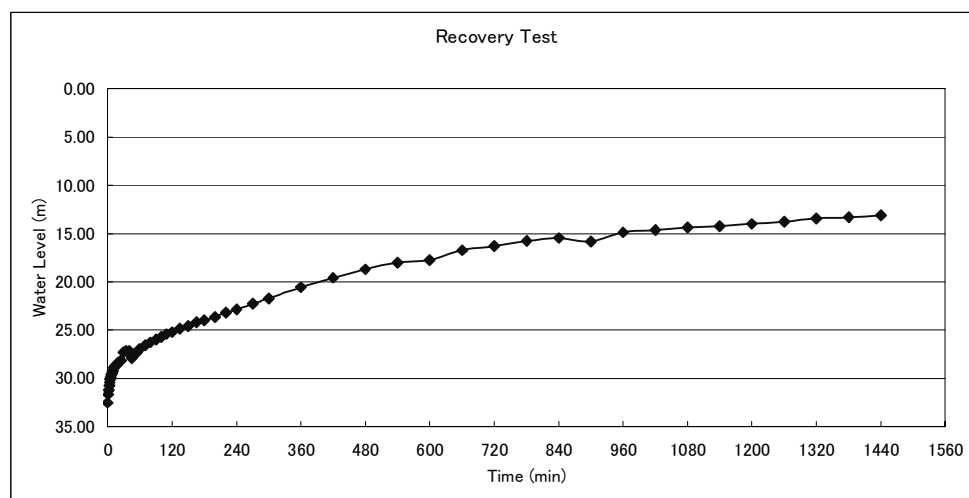
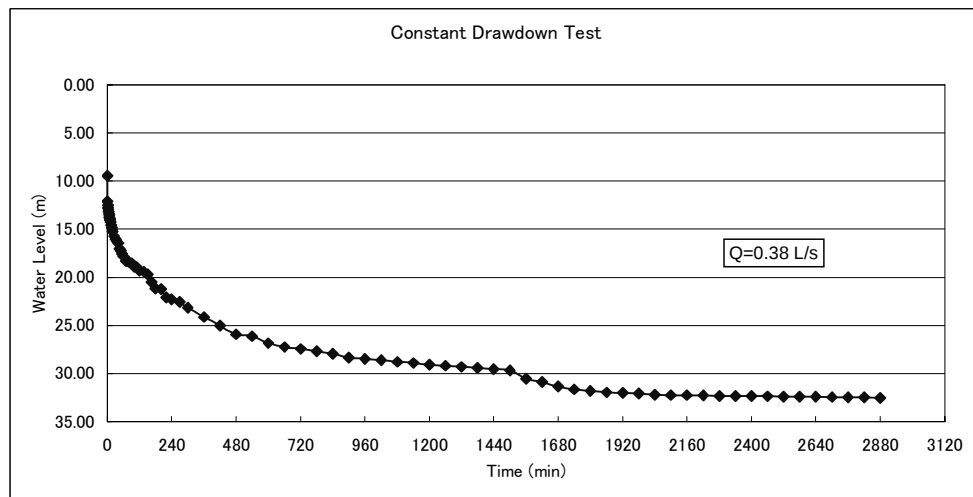
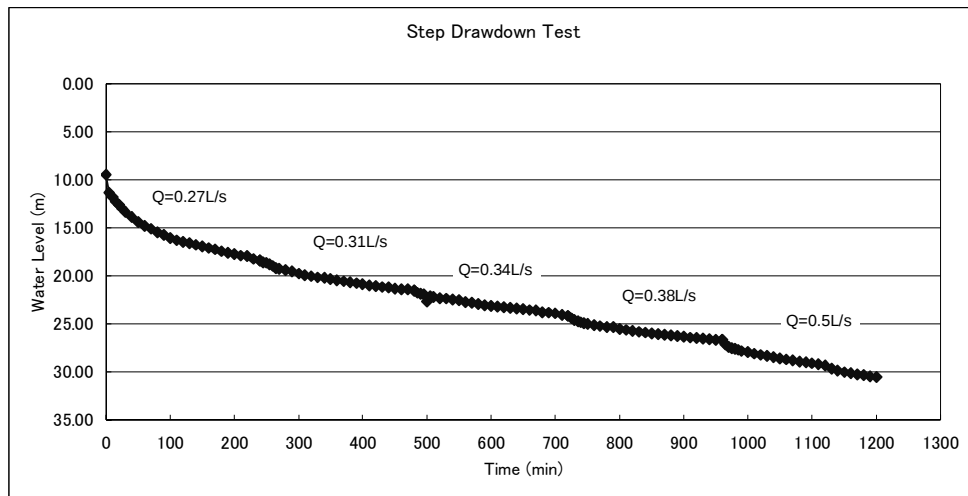
## ***Pumping Test Result***

***Debarwa***

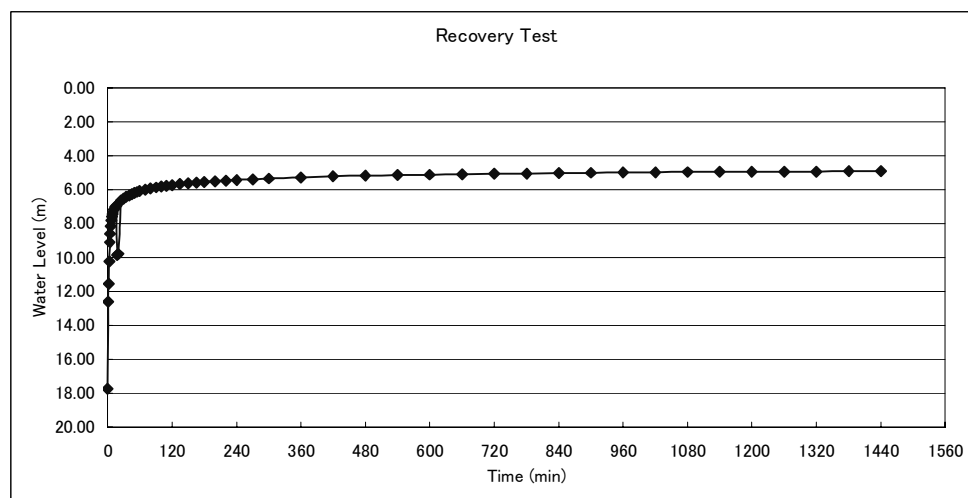
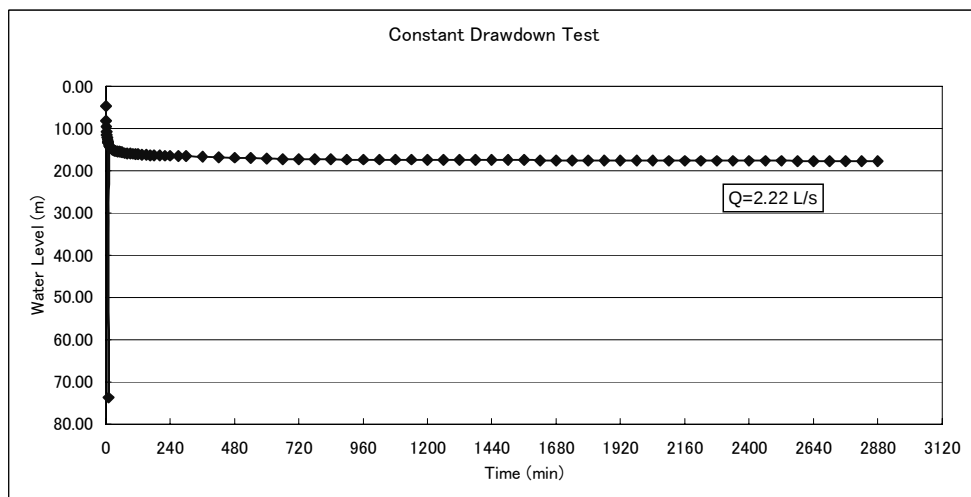
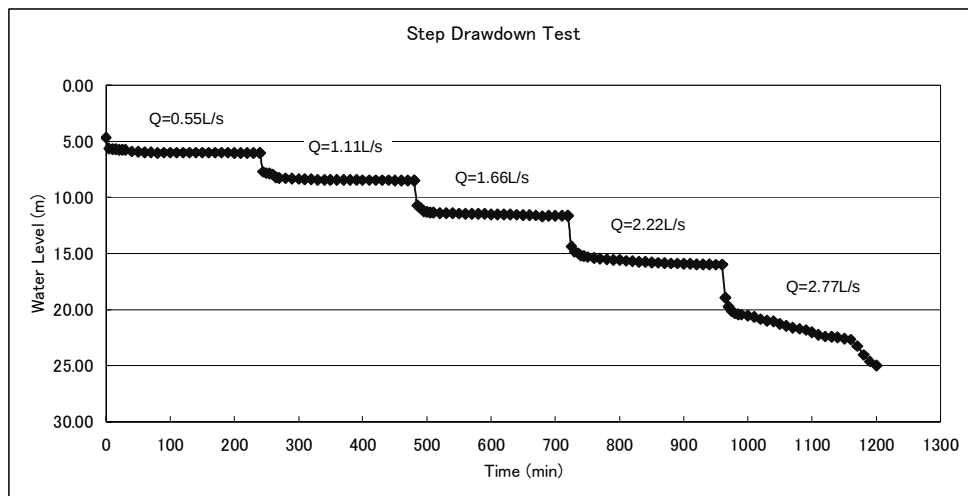
## Debarwa No.6 (Rainy Season)



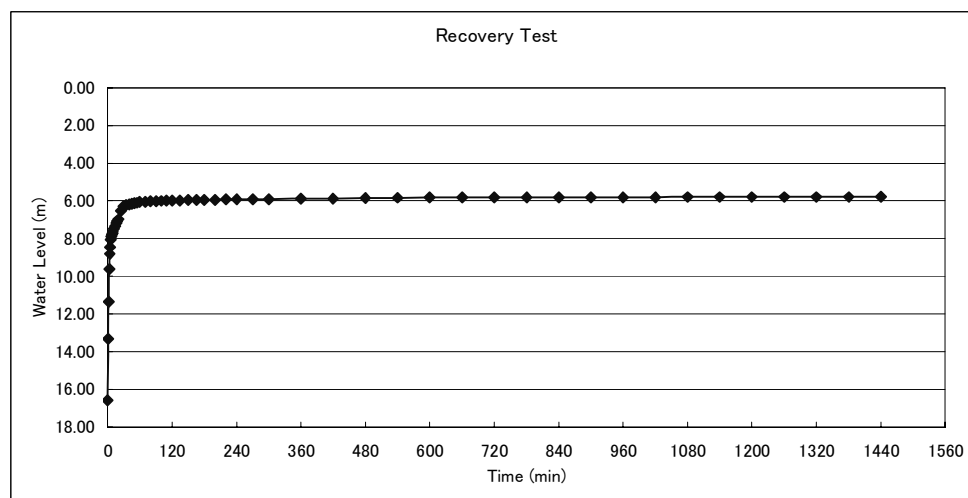
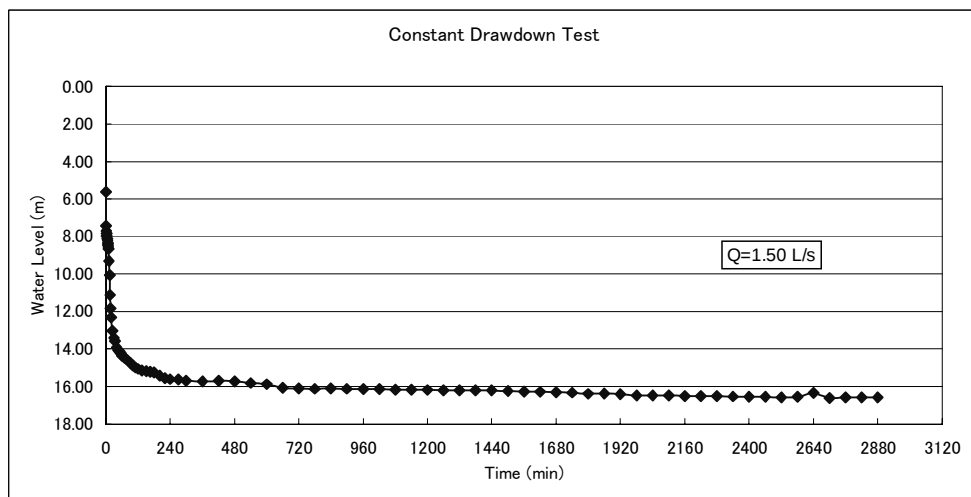
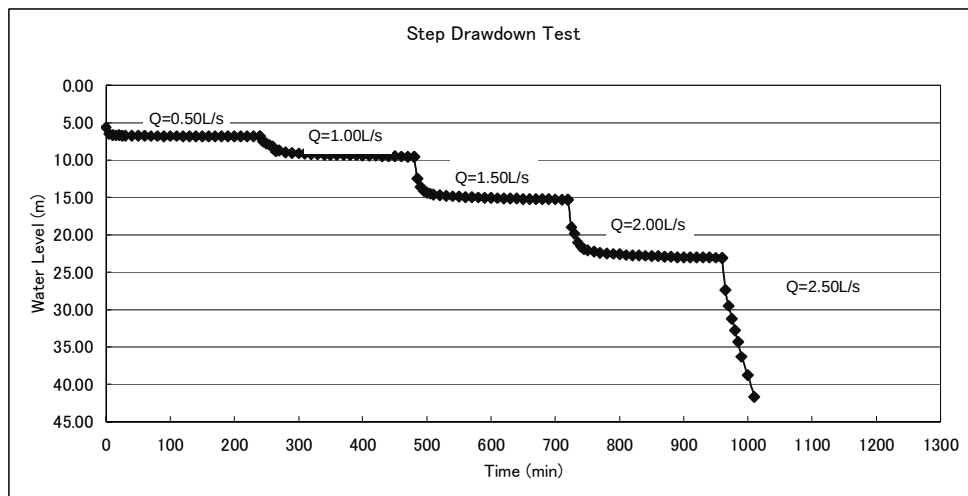
## Debarwa No.7 (Rainy Season)



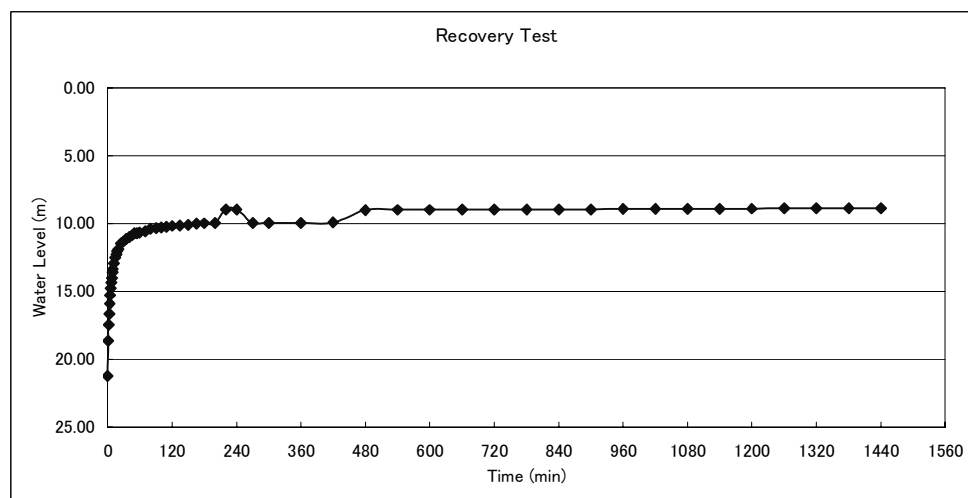
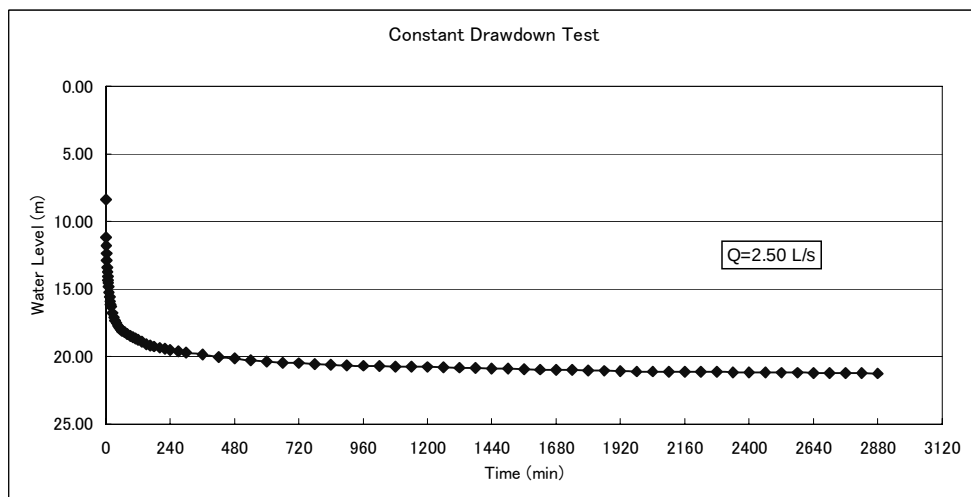
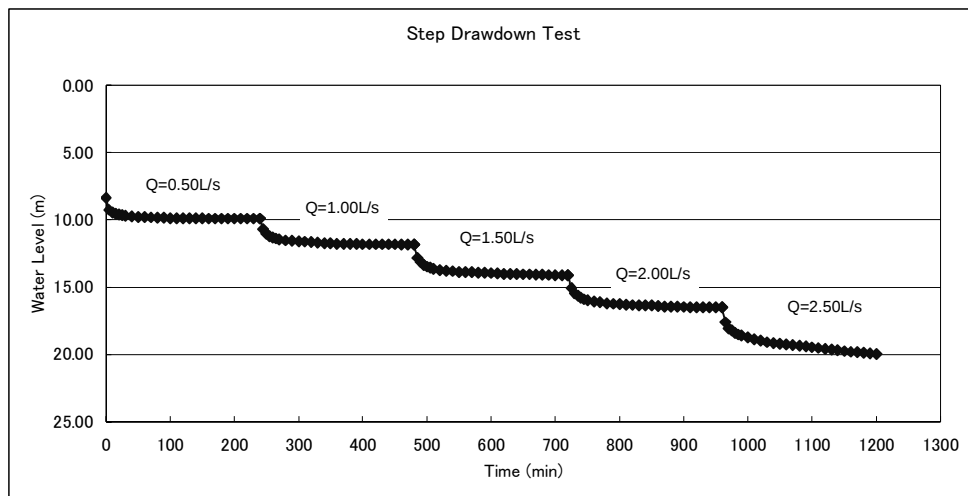
## Debarwa No.10 (Rainy Season)



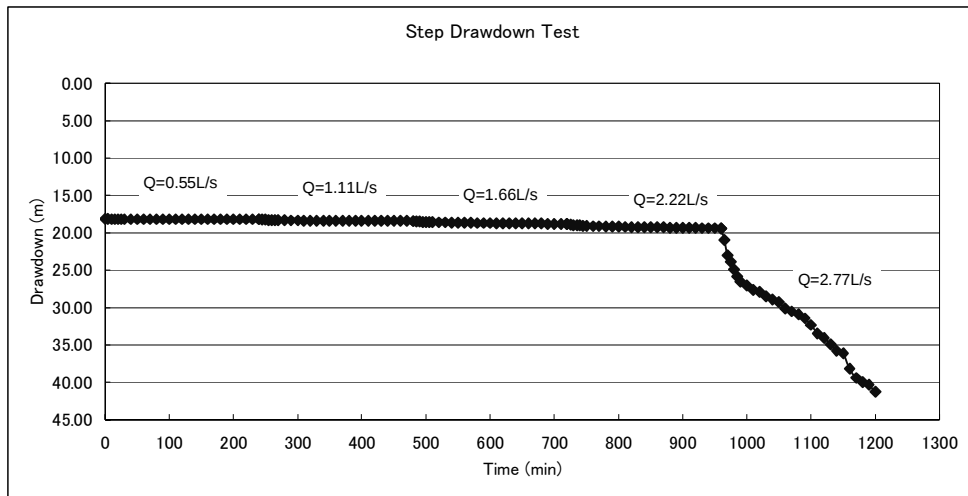
## Debarwa No.11-1 (Rainy Season)



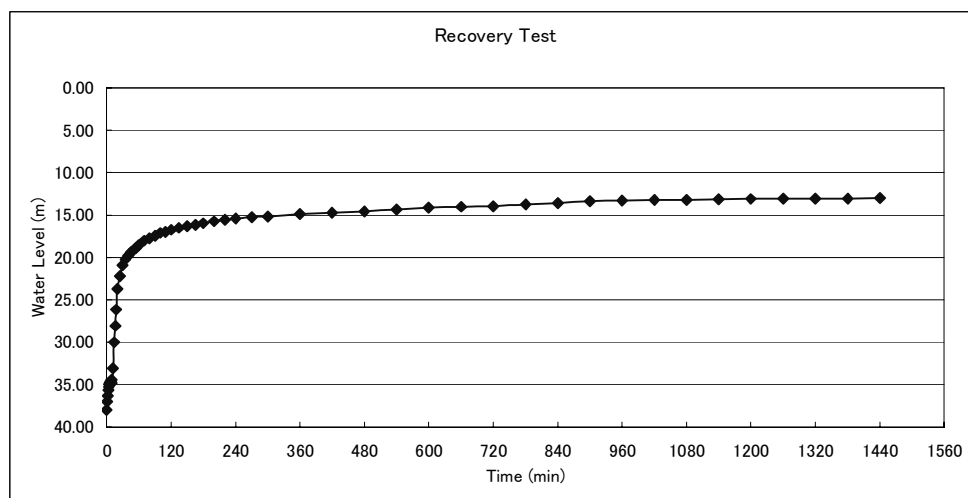
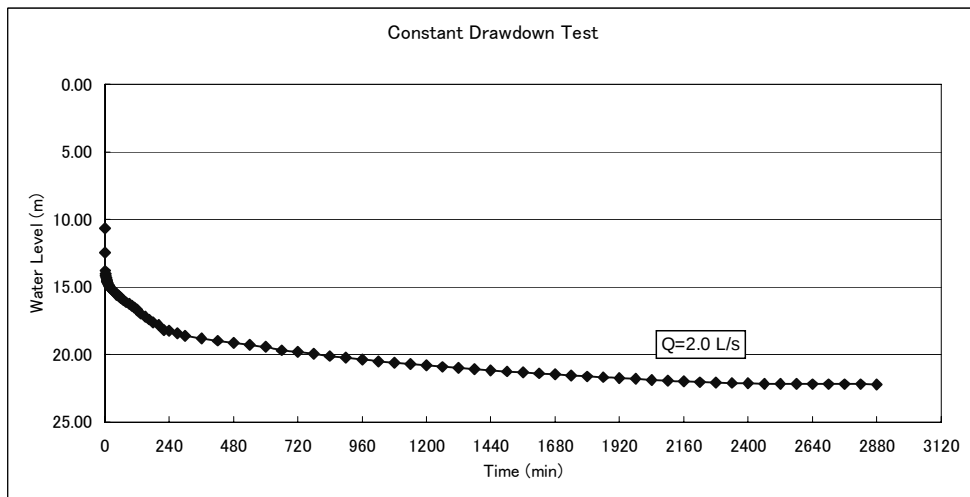
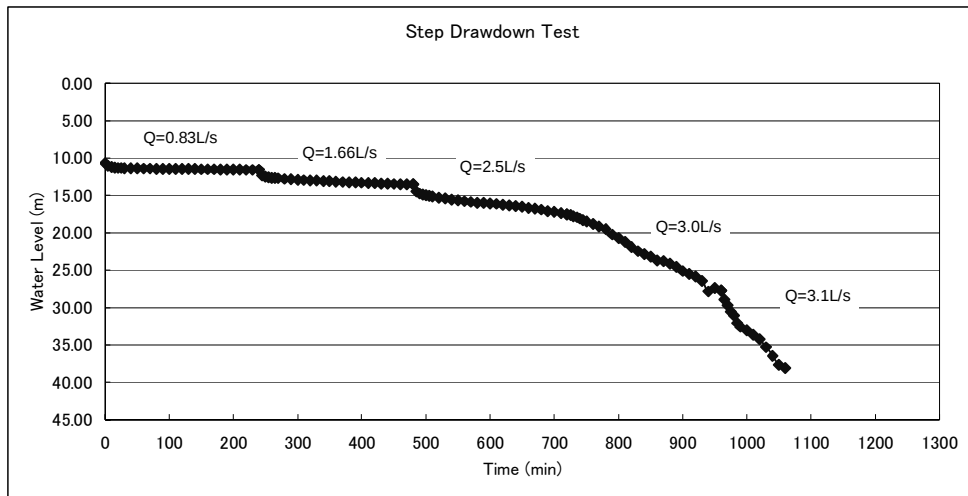
## Debarwa No.11-2 (Rainy Season)



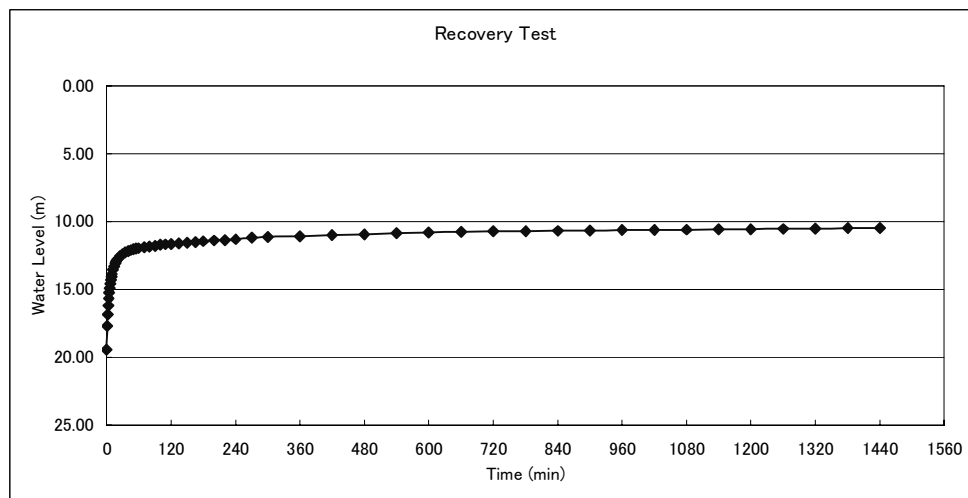
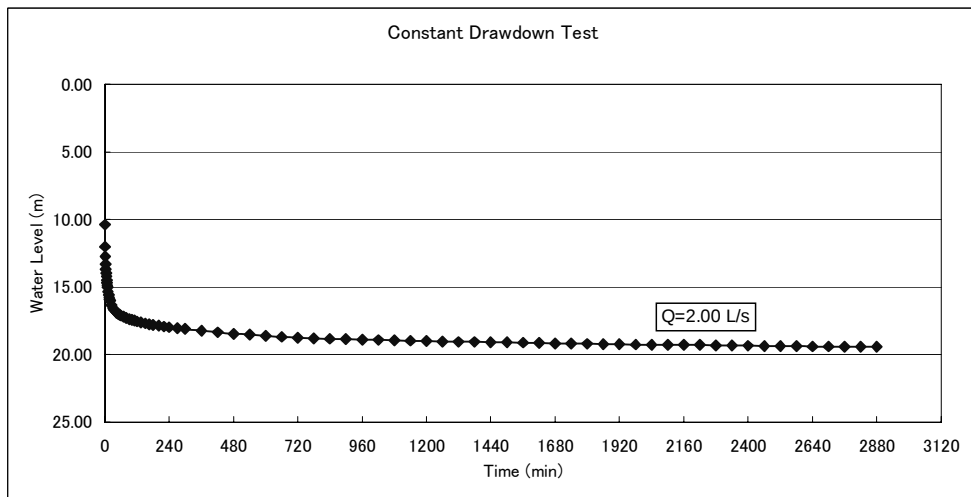
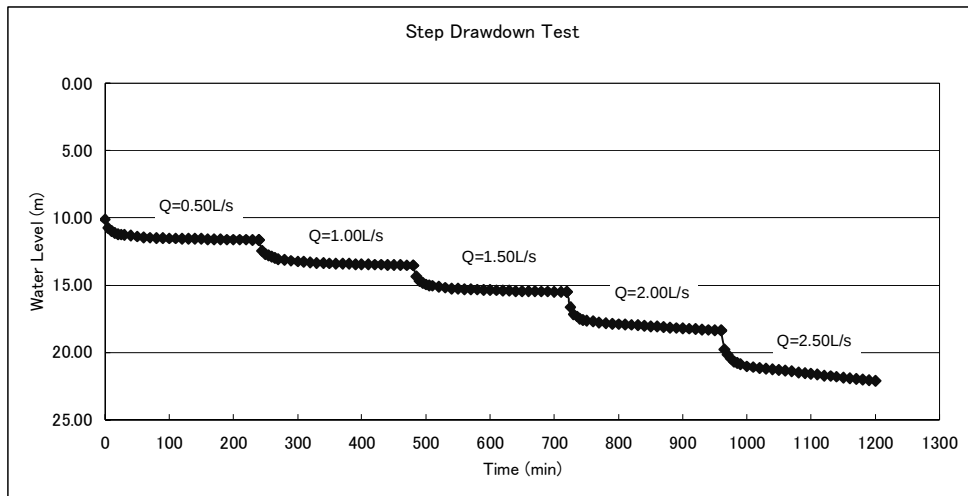
## Debarwa Existing Borehole Deb-1 (Rainy Season)



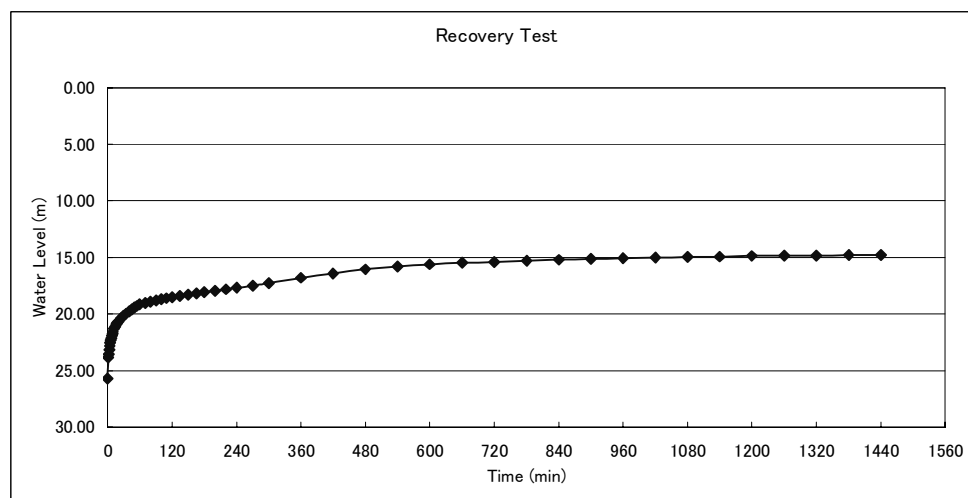
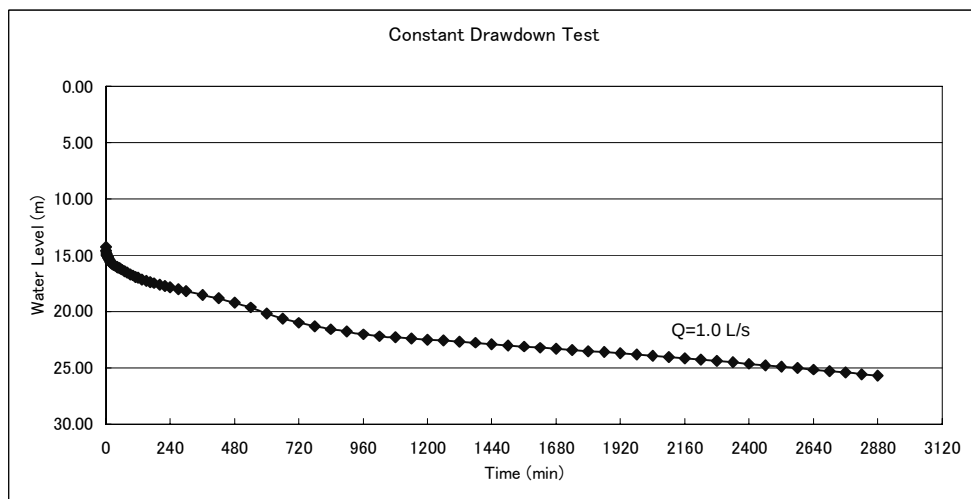
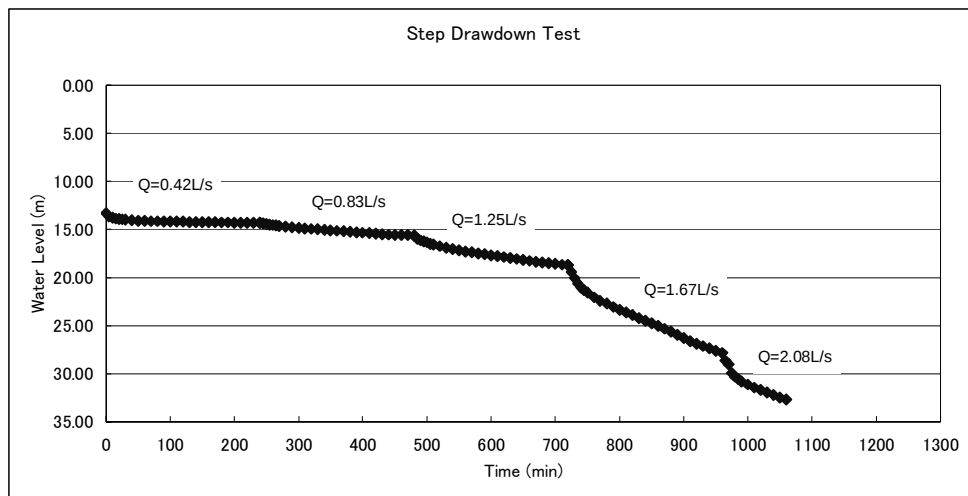
## Debarwa Existing Borehole BH-12 (Rainy Season)



## Debarwa No.11-2 (Dry Season)



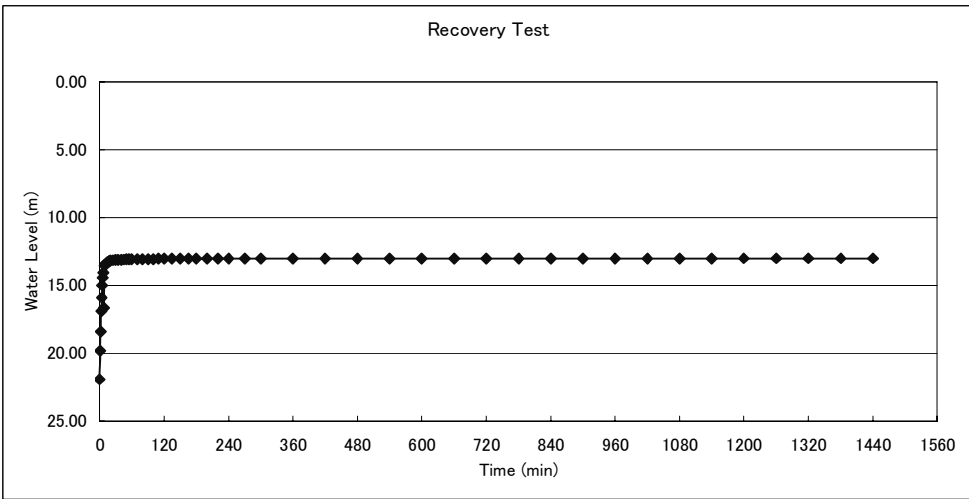
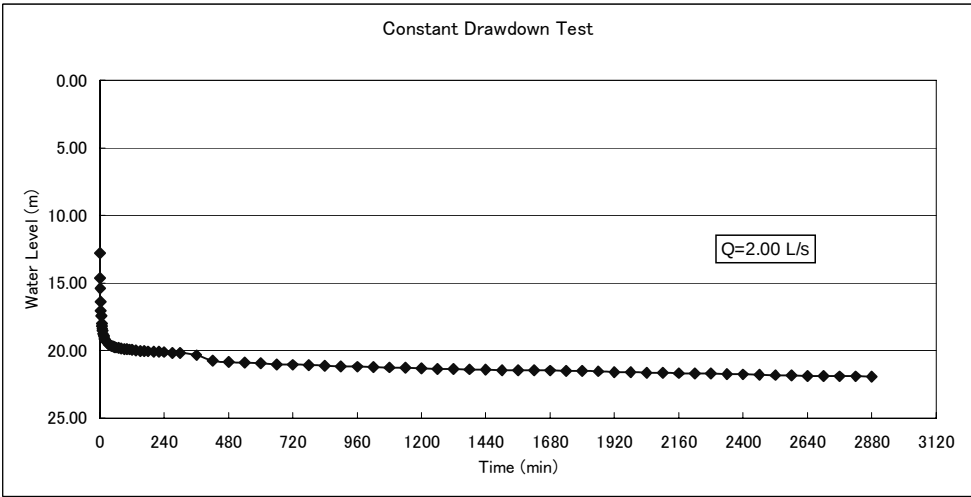
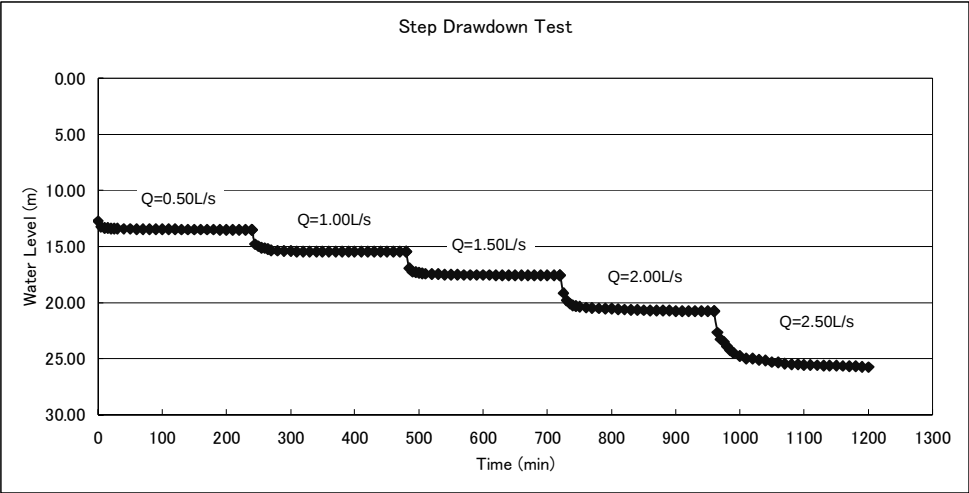
## Debarwa Existing Borehole BH-12 (Dry Season)



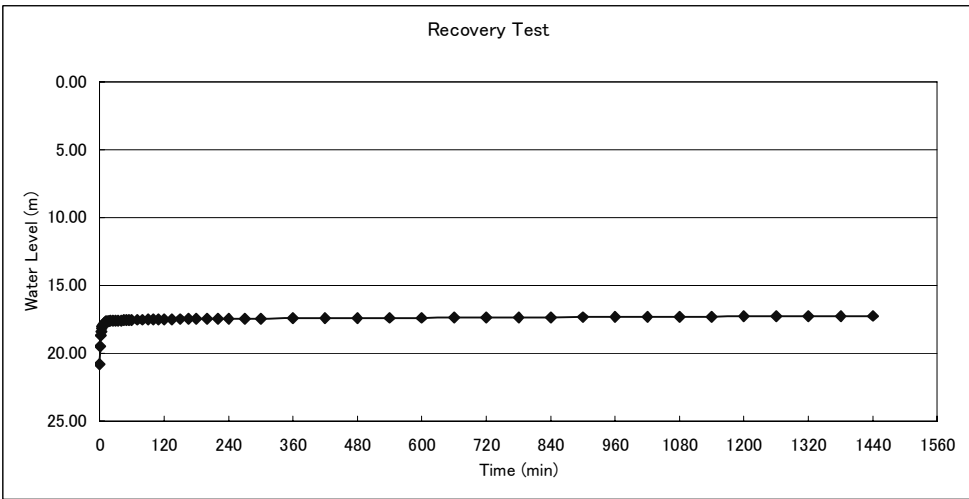
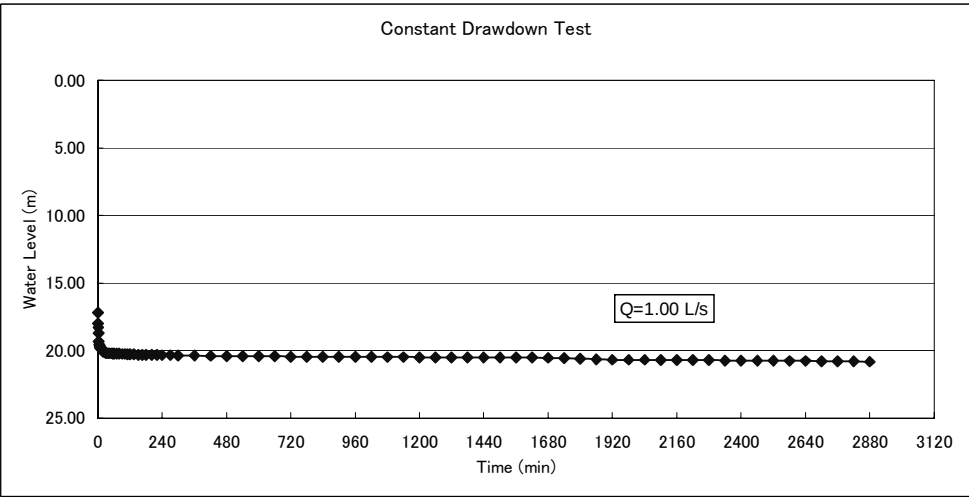
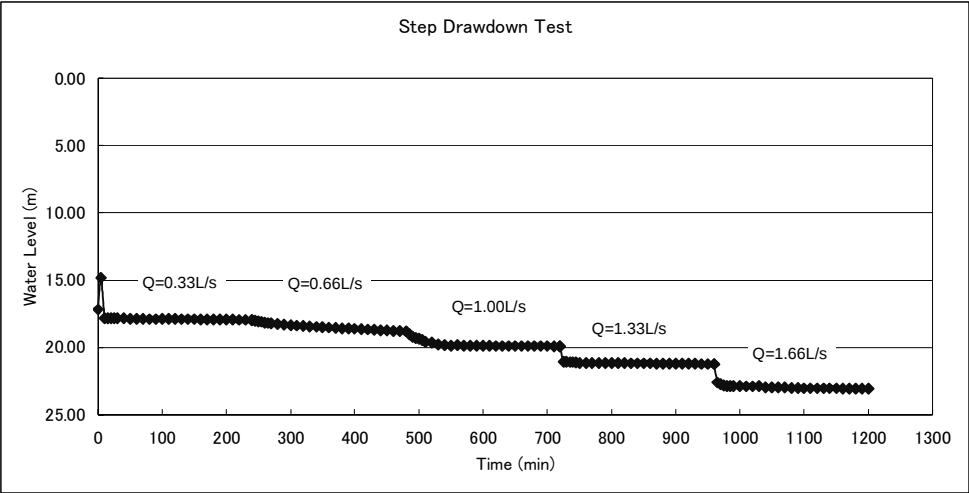
## ***Pumping Test Result***

***Dekemhare***

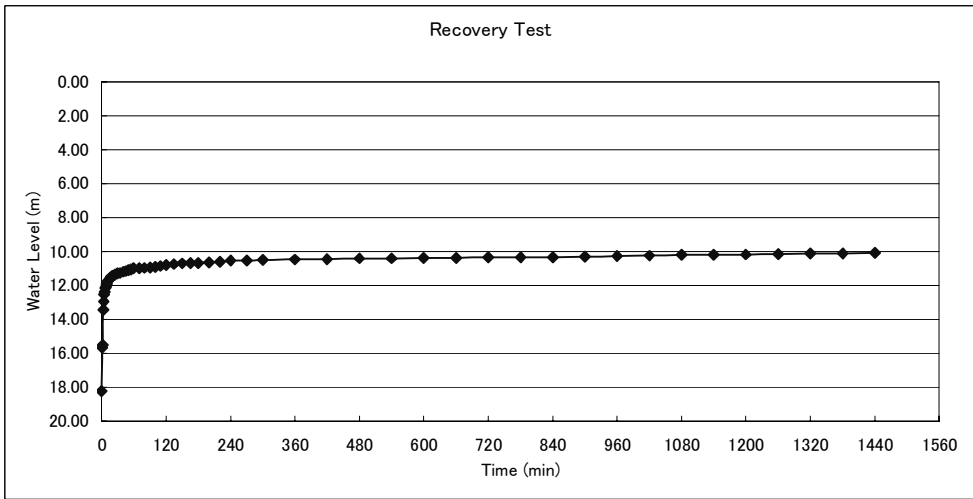
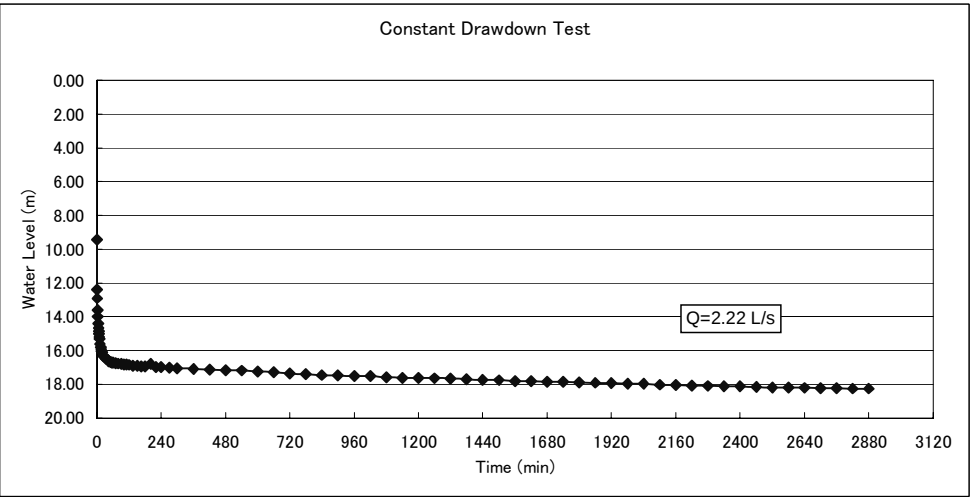
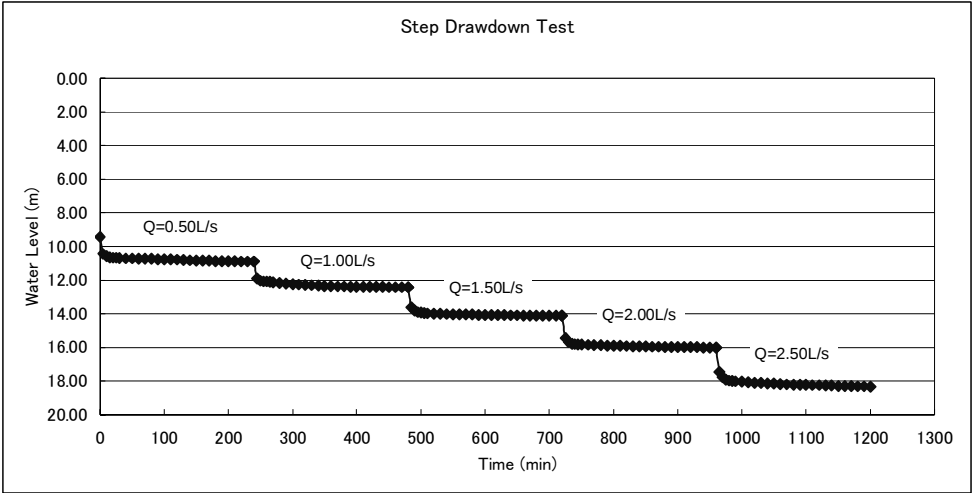
Dekemhare No.1 (Rainy Season)



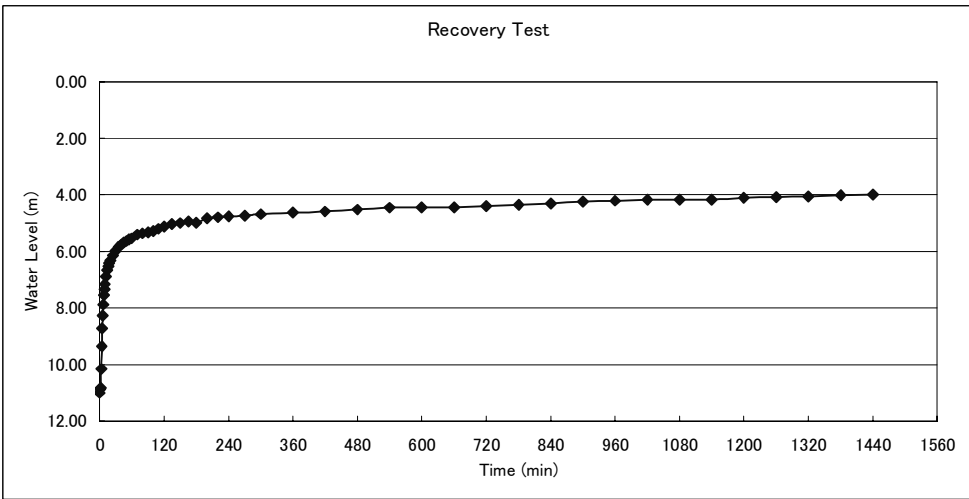
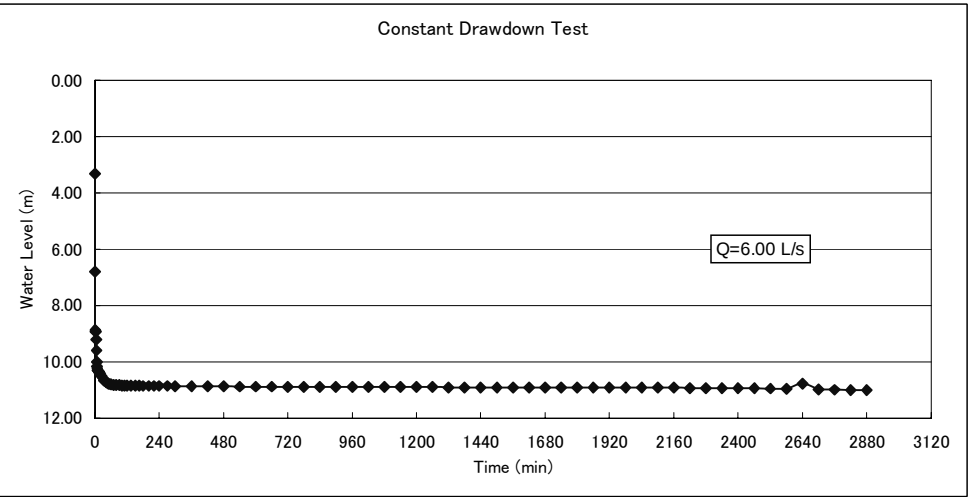
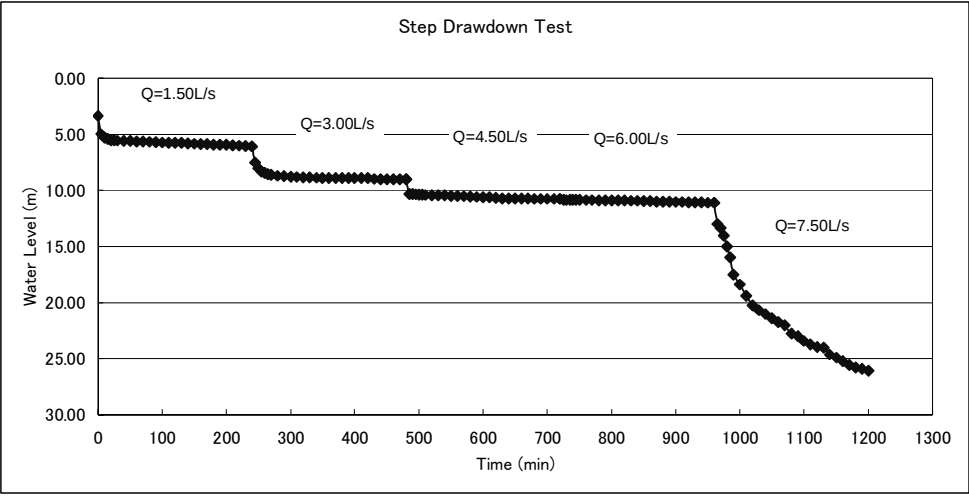
Dekemhare No.2 (Rainy Season)



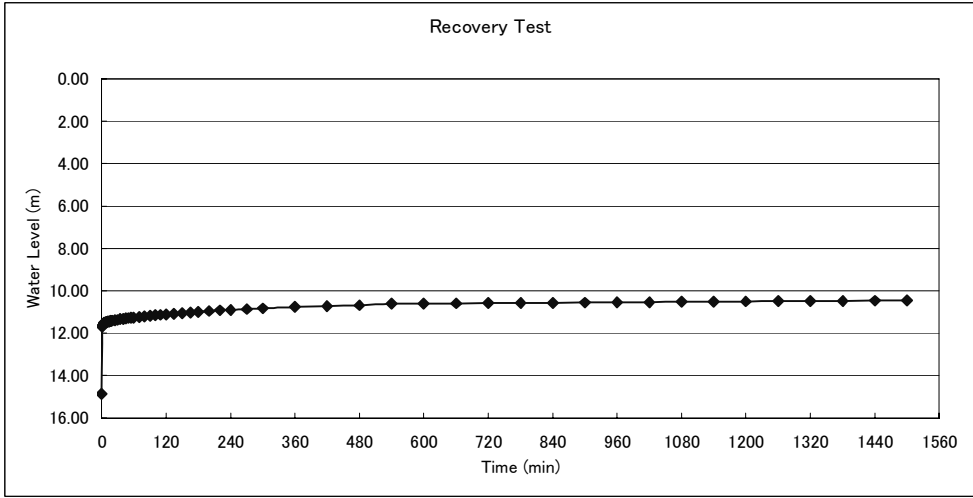
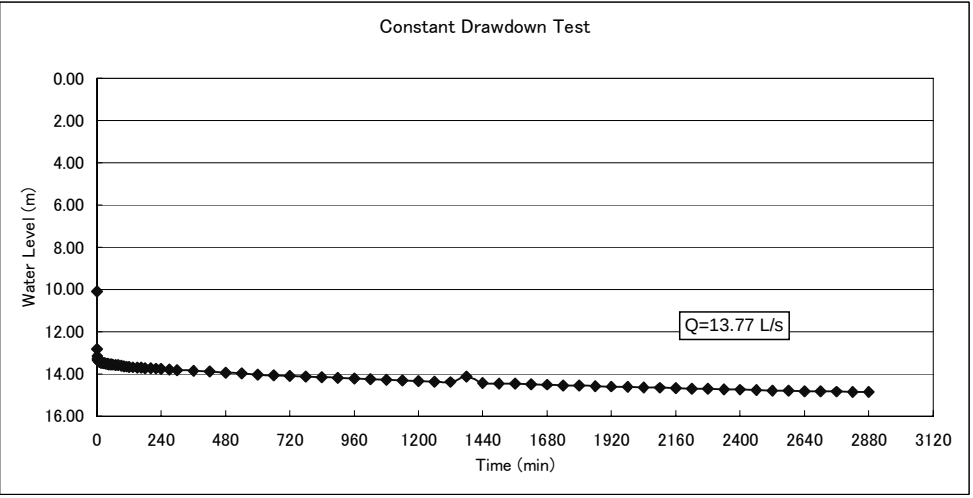
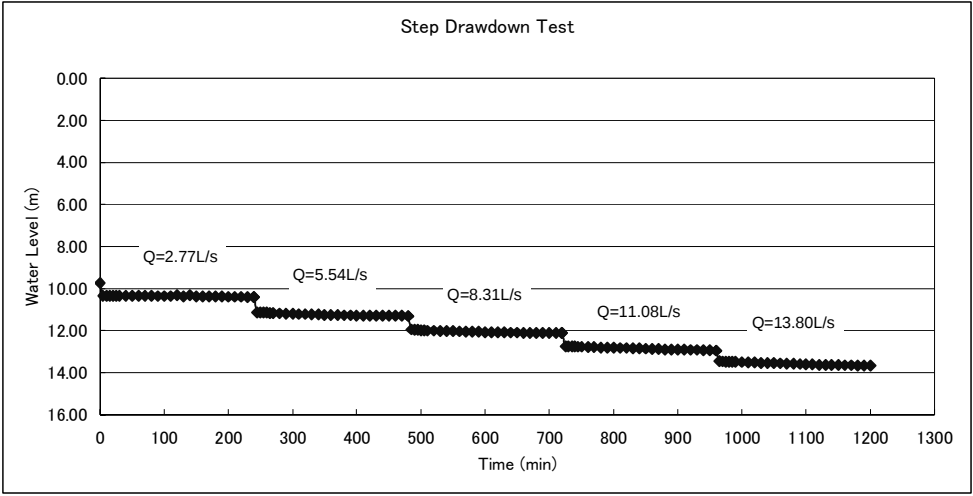
Dekemhare No.3 (Rainy Season)



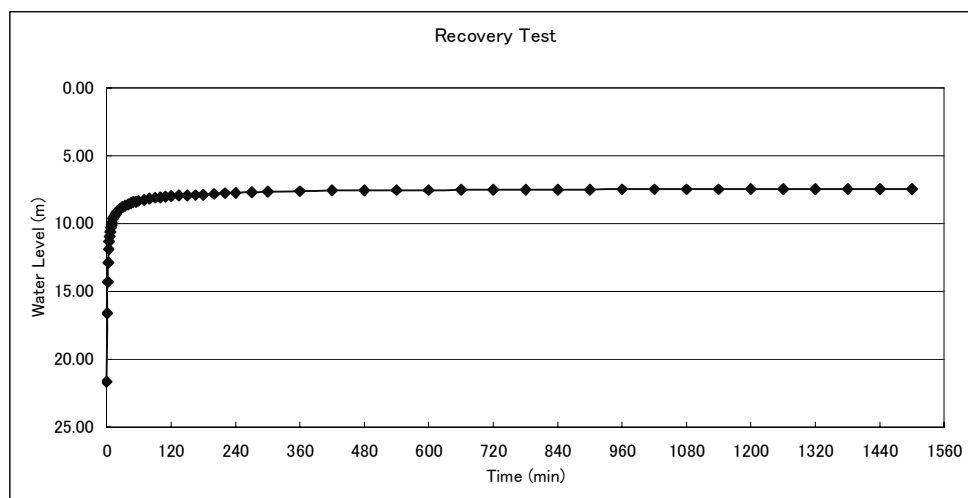
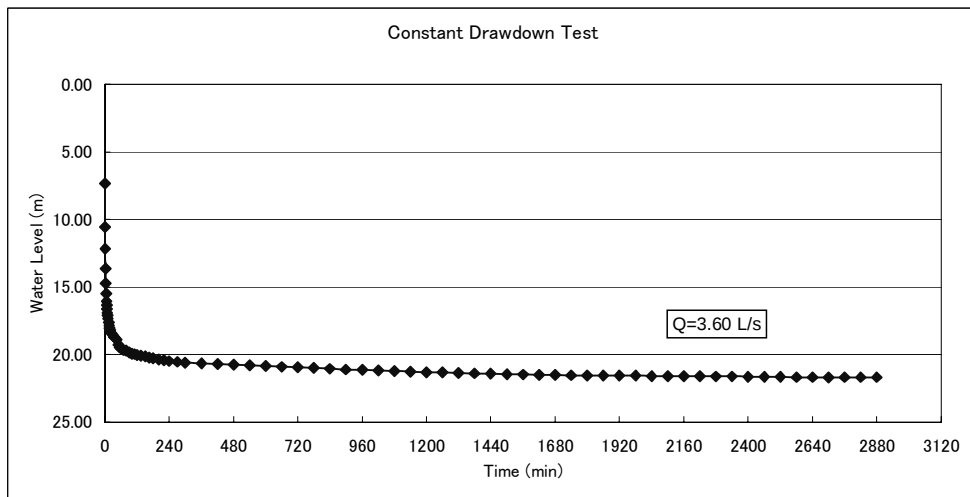
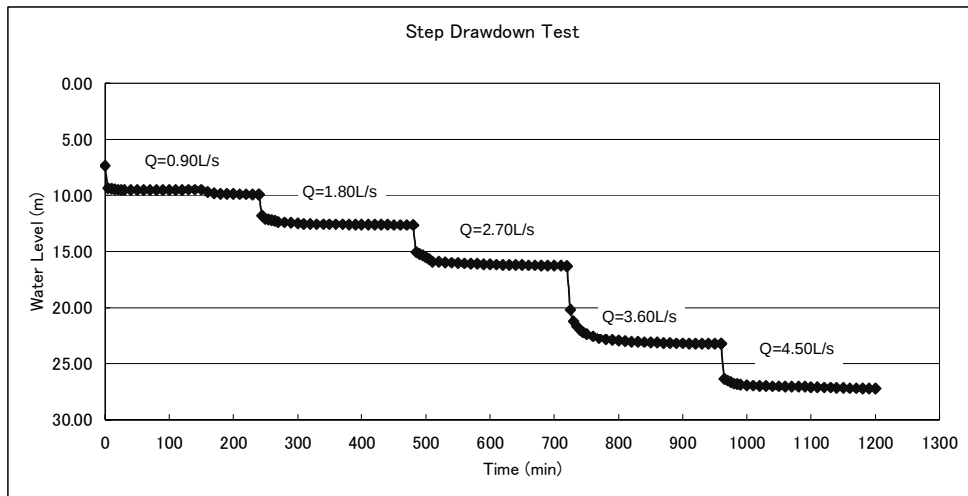
Dekemhare No.4 (Rainy Season)



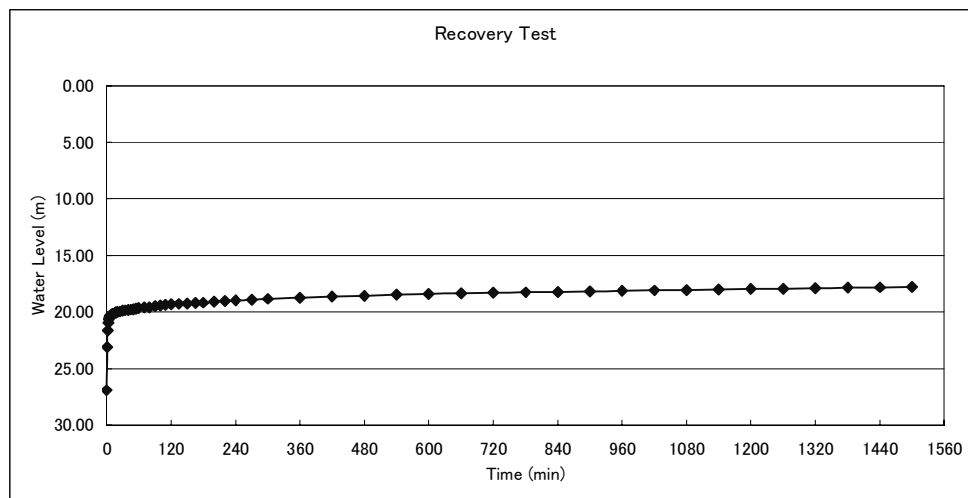
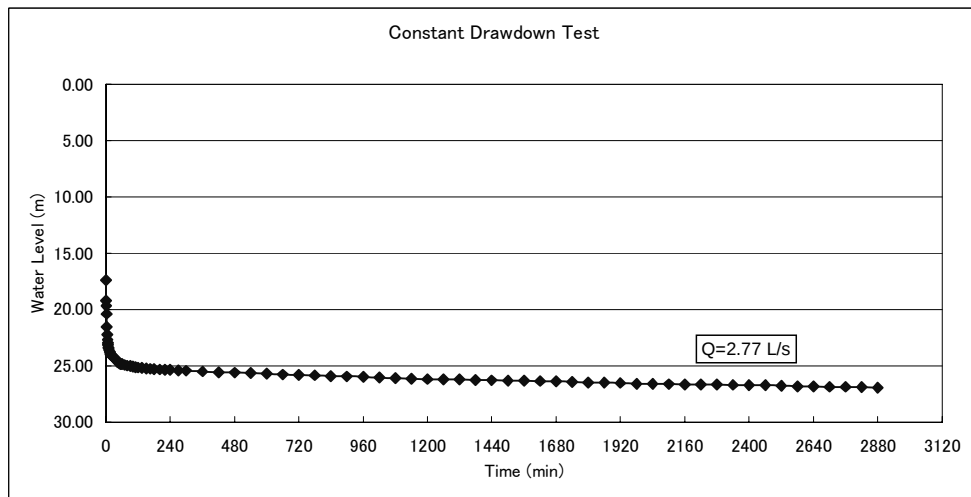
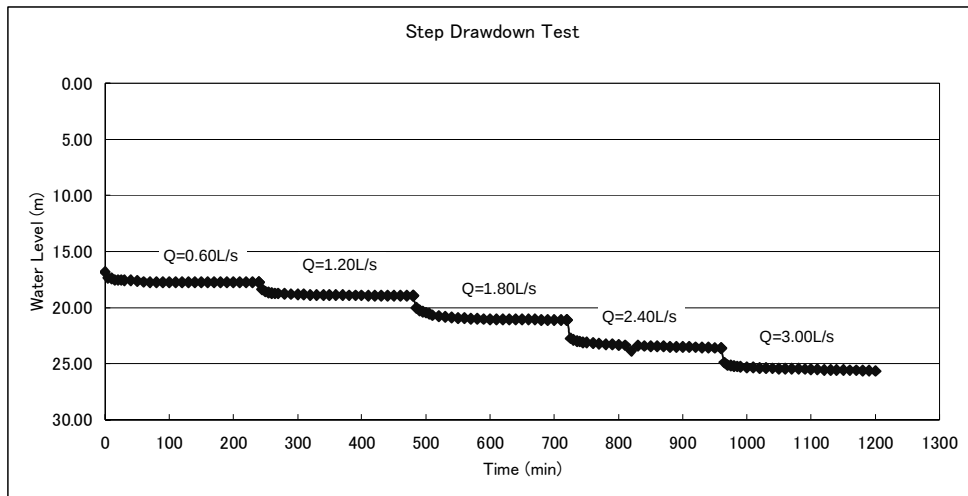
Dekemhare No.5 (Rainy Season)



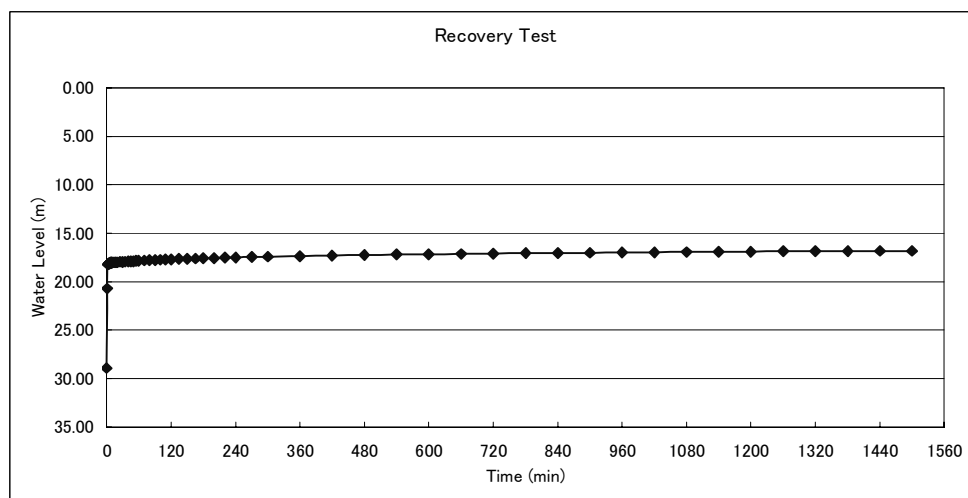
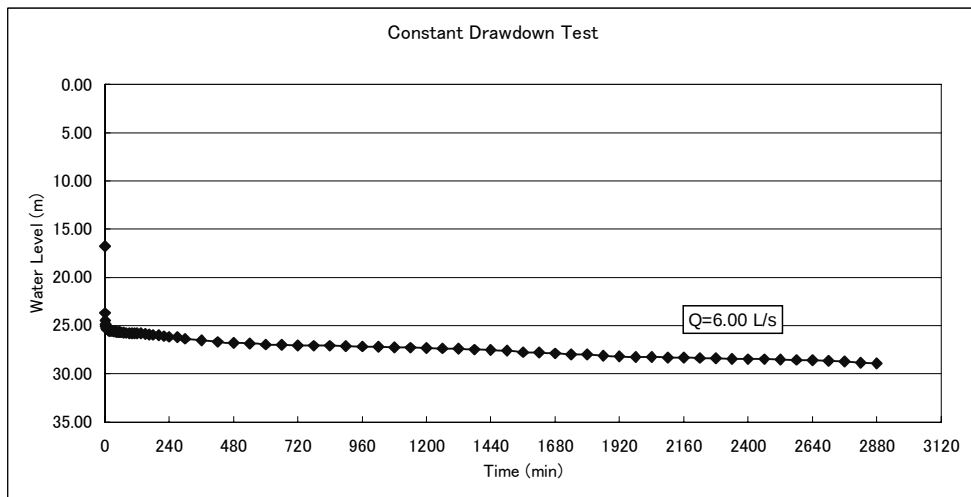
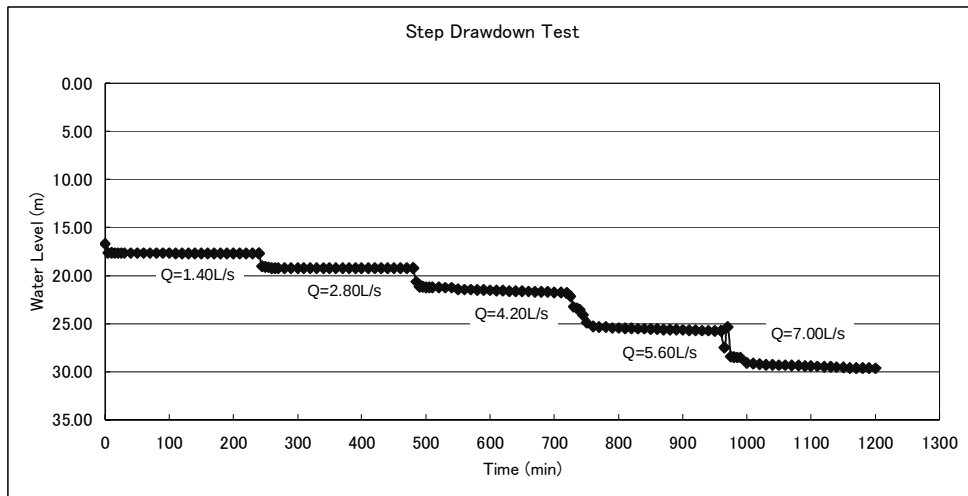
## Dekemhare Existing Borehole BH-14 (Rainy Season)



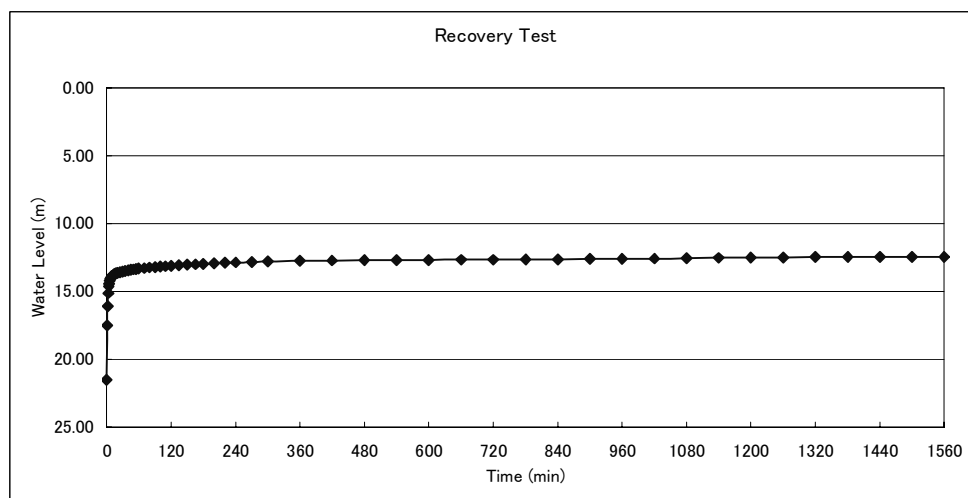
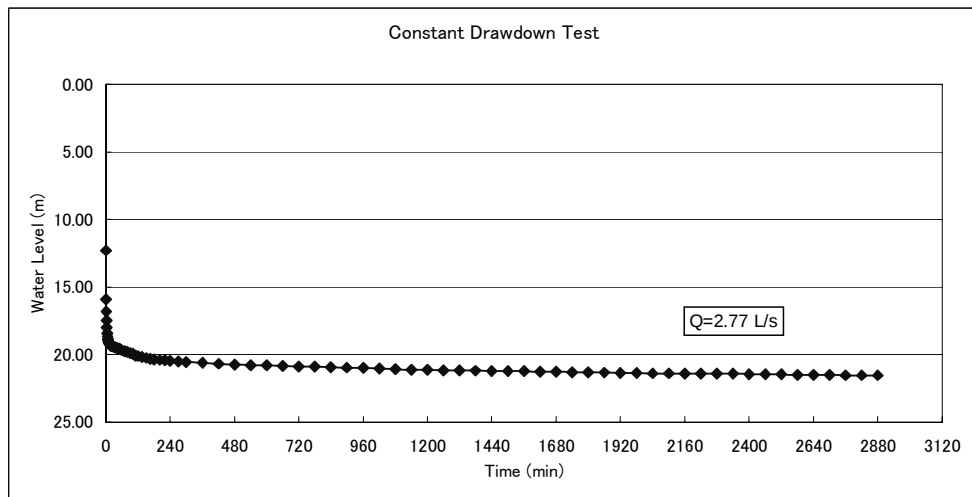
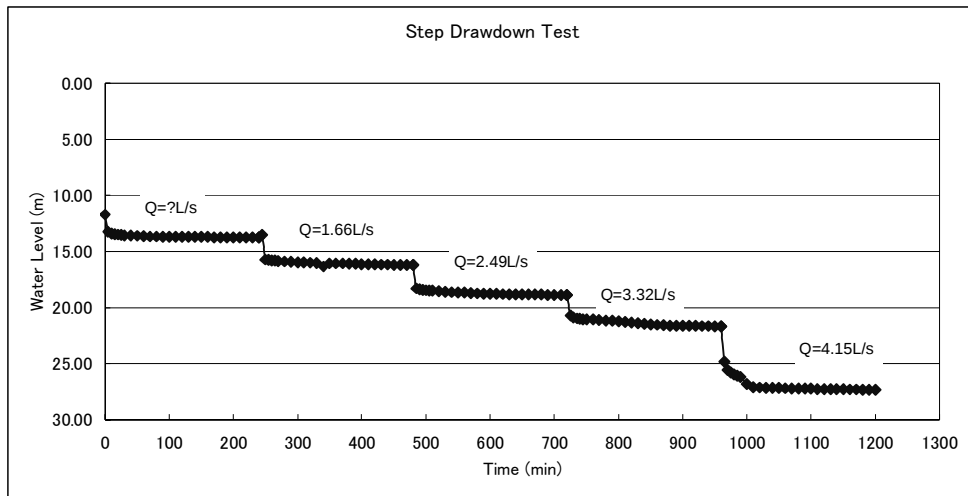
## Dekemhare Existing Borehole BH-19 (Rainy Season)



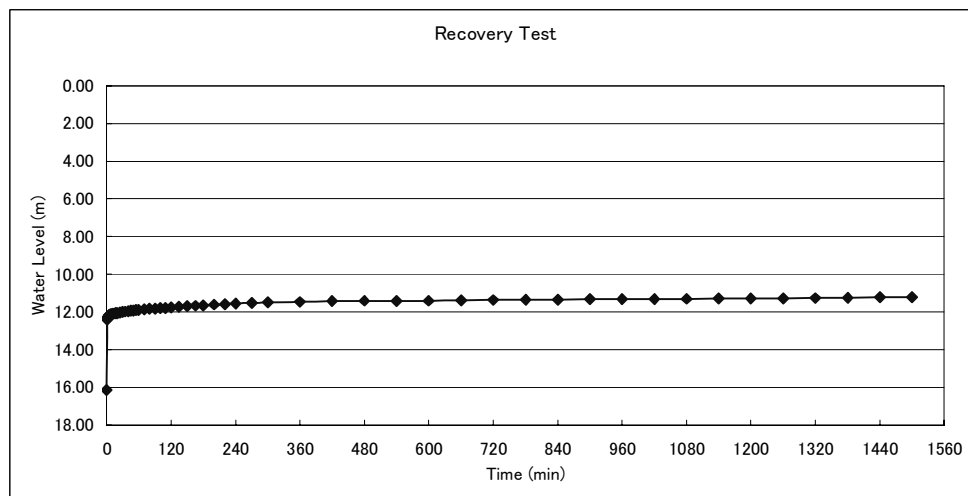
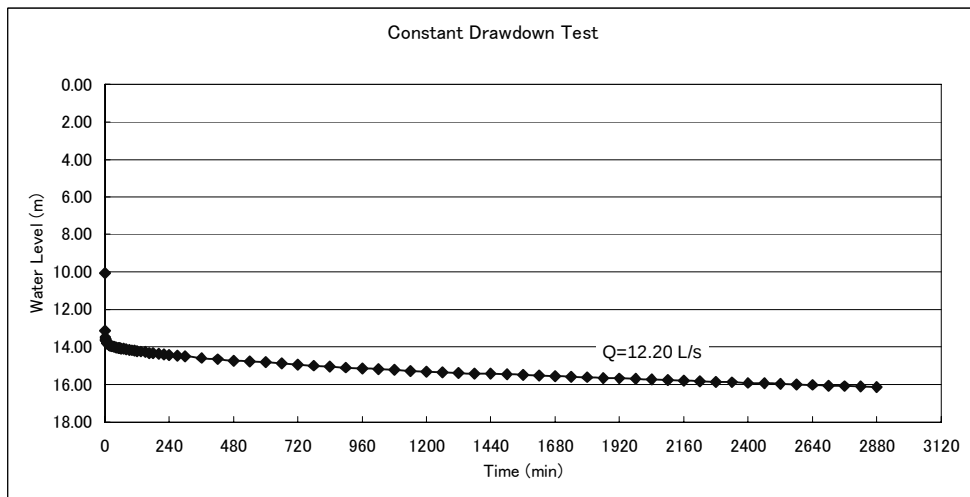
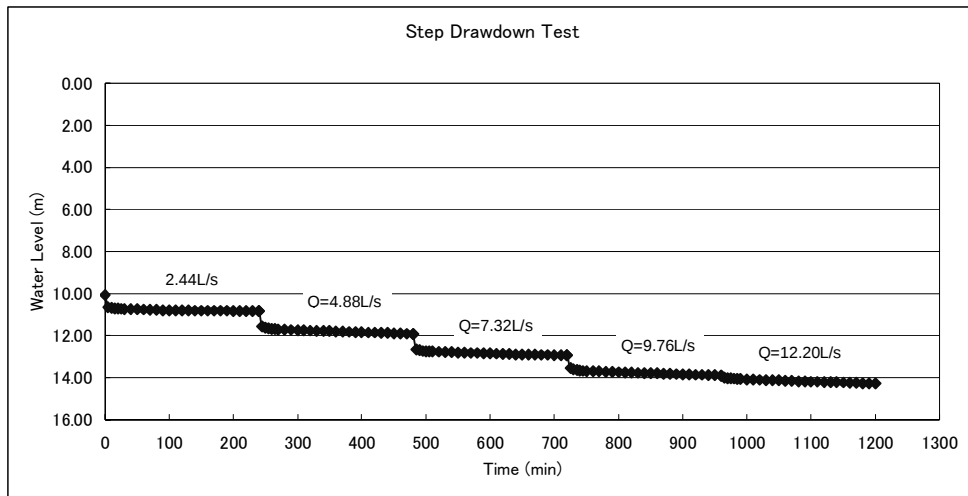
## Dekemhare Existing Borehole Dek-2 (Rainy Season)



## Dekemhare Existing Borehole Enda-Asale2 (Rainy Season)



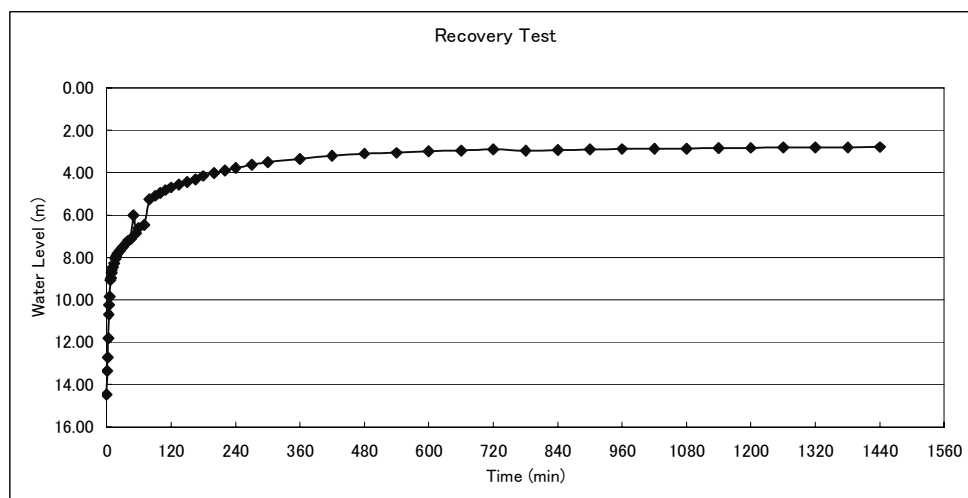
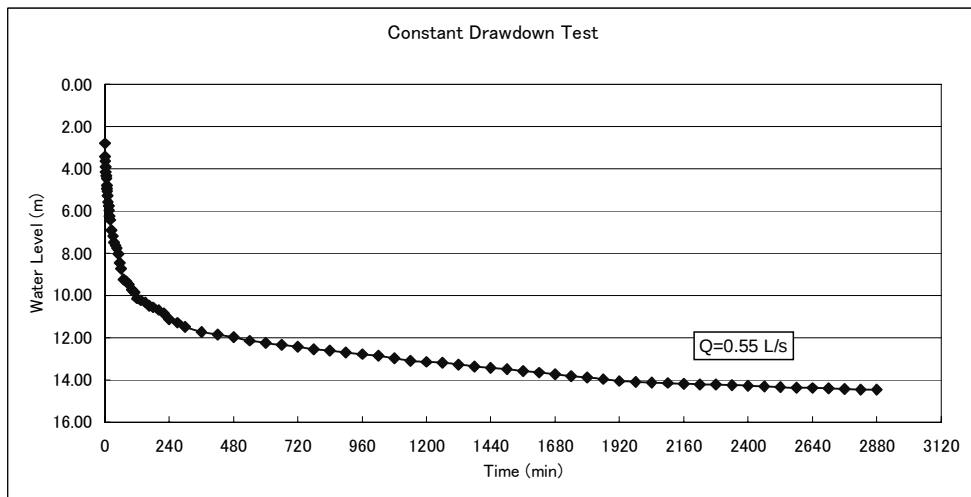
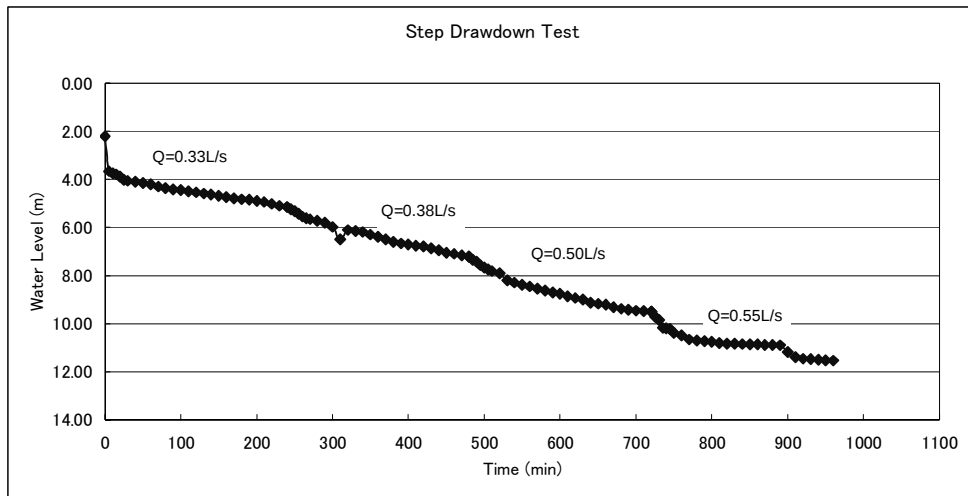
## Dekemhare No.5 (Dry Season)



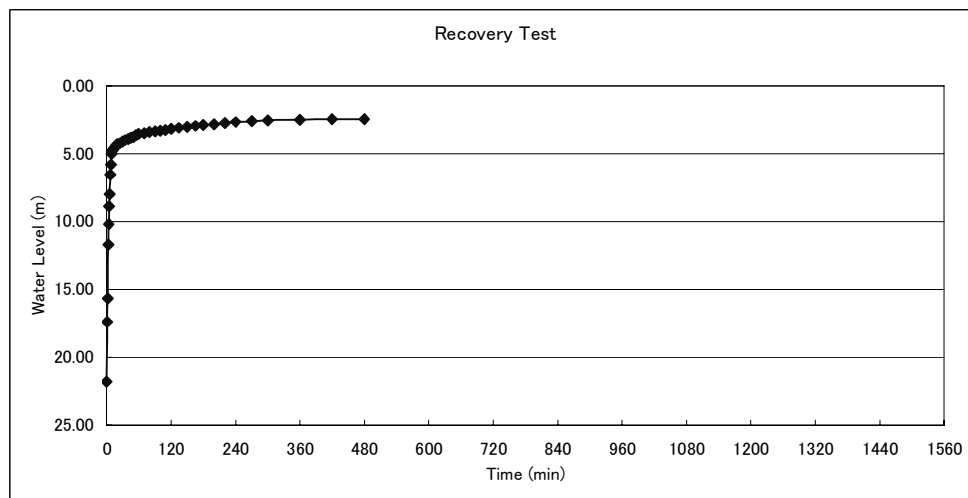
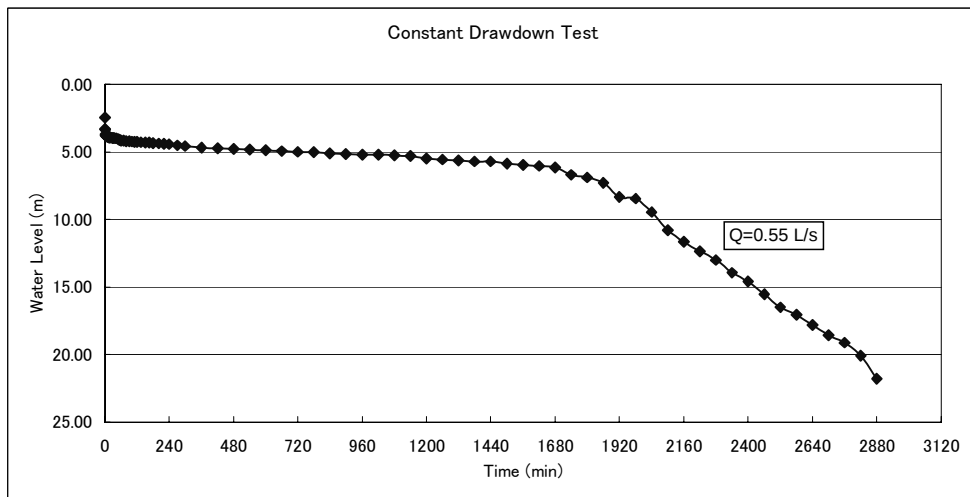
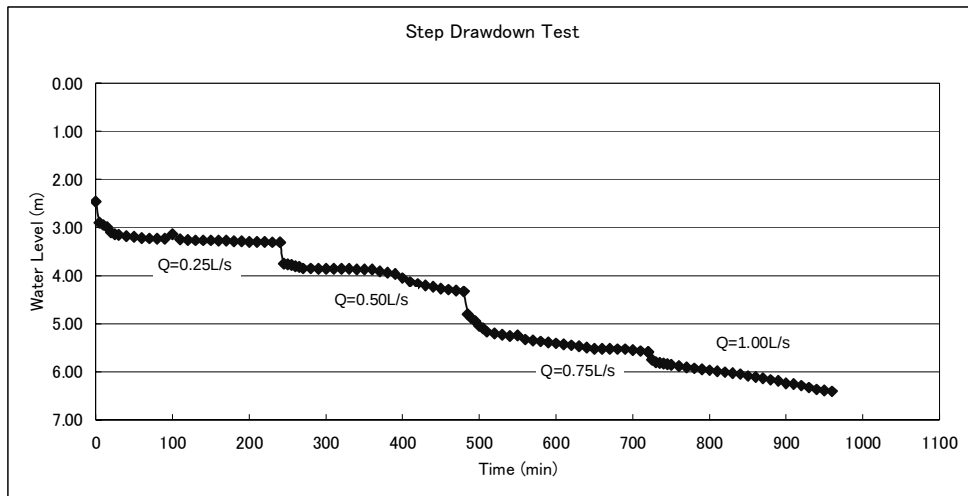
## ***Pumping Test Result***

***May-dima***

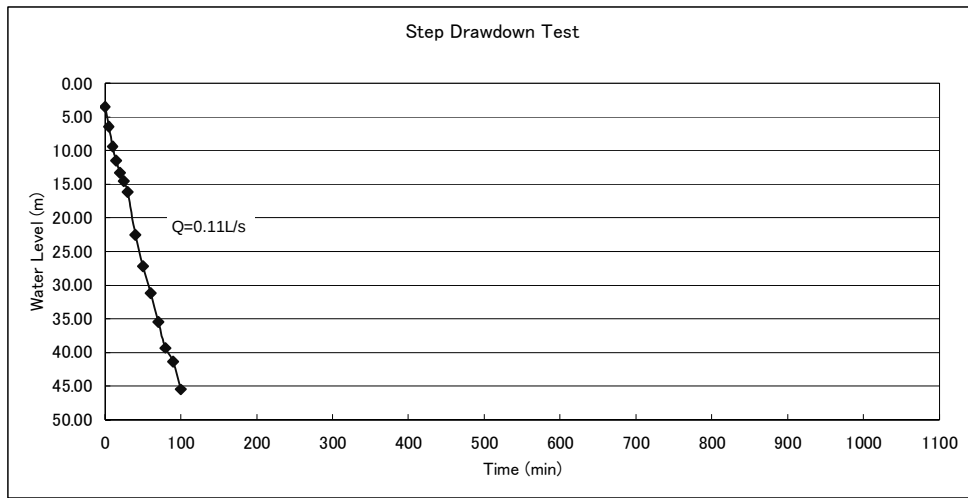
## May-dima No.1 (Rainy Season)



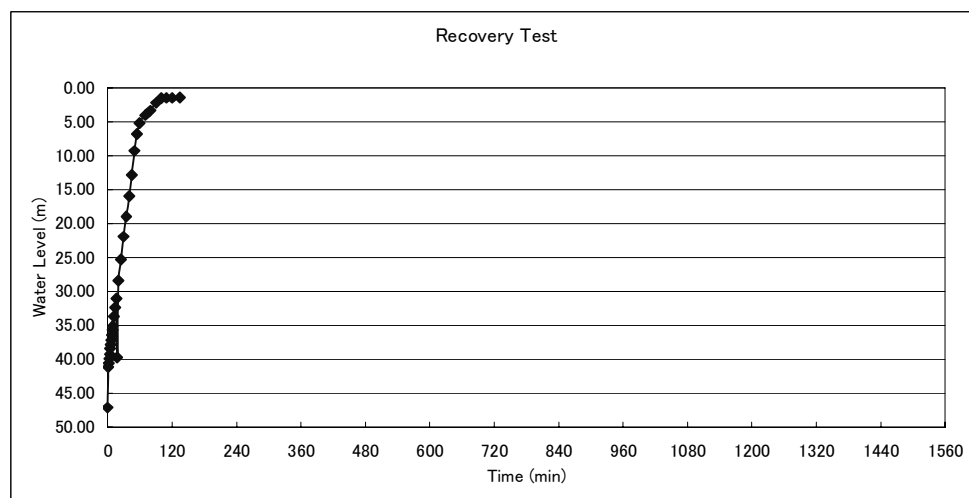
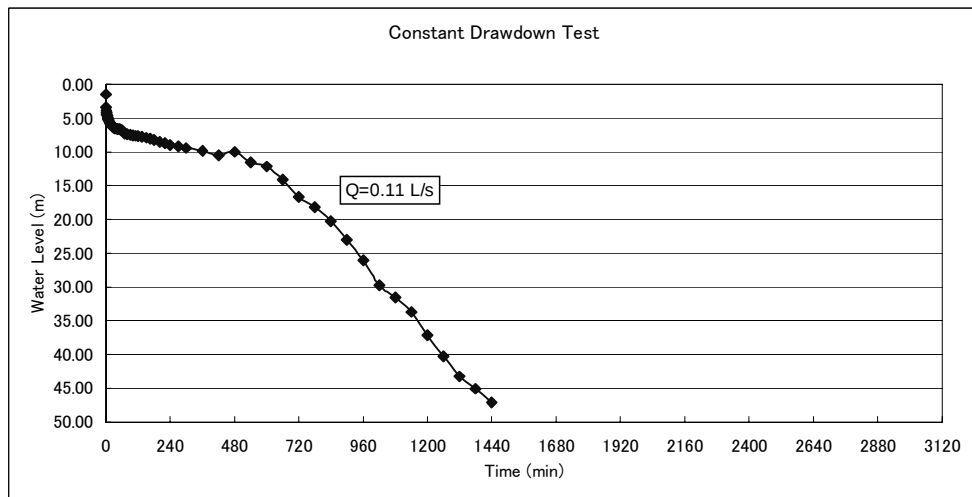
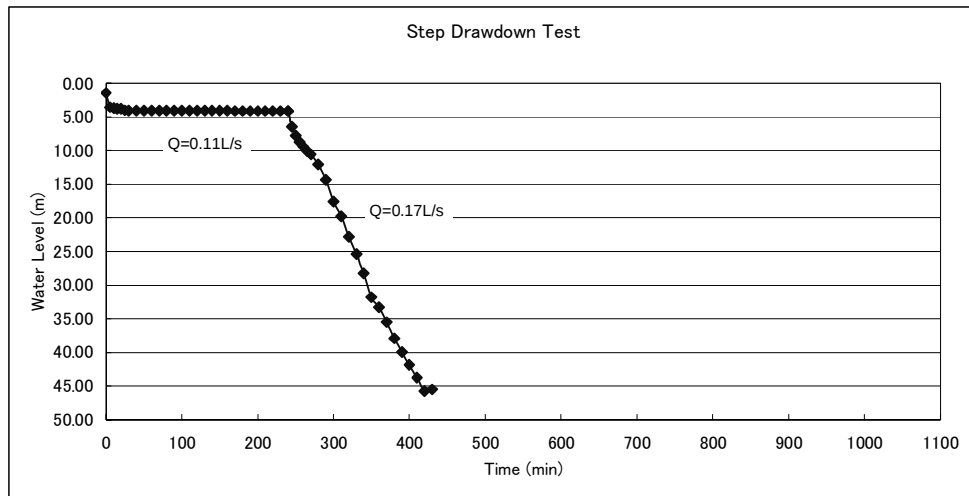
## May-dima No.7 (Rainy Season)



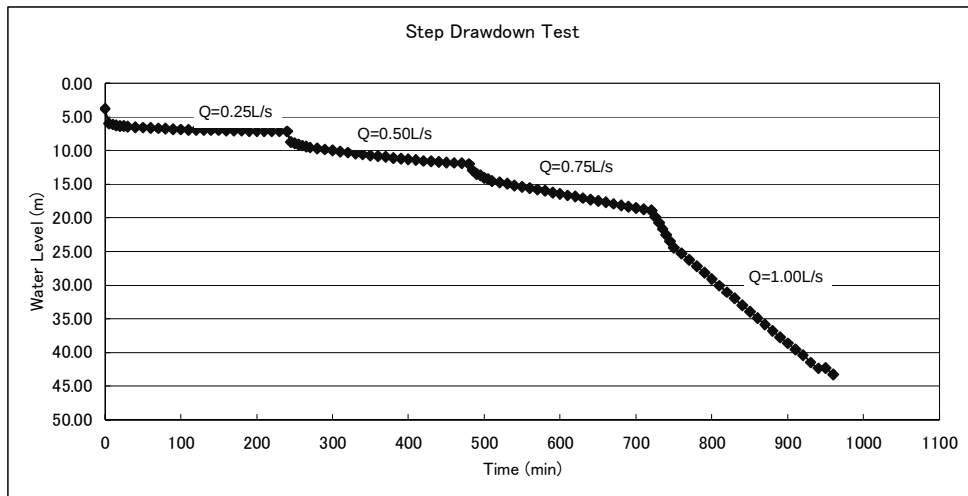
## May-dima No.8 (Rainy Season)



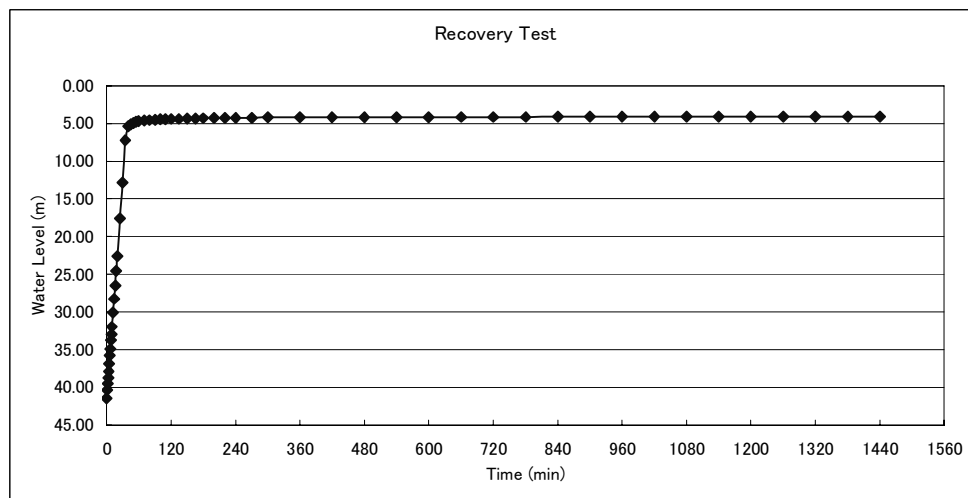
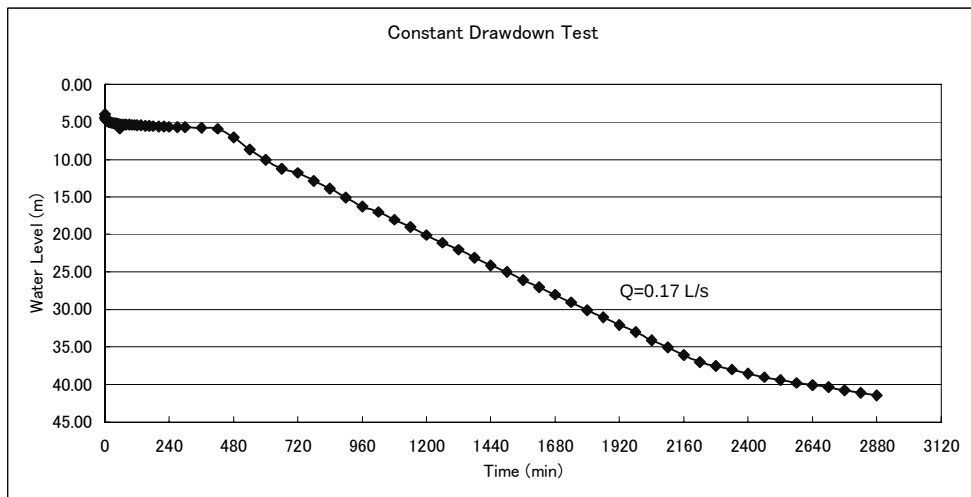
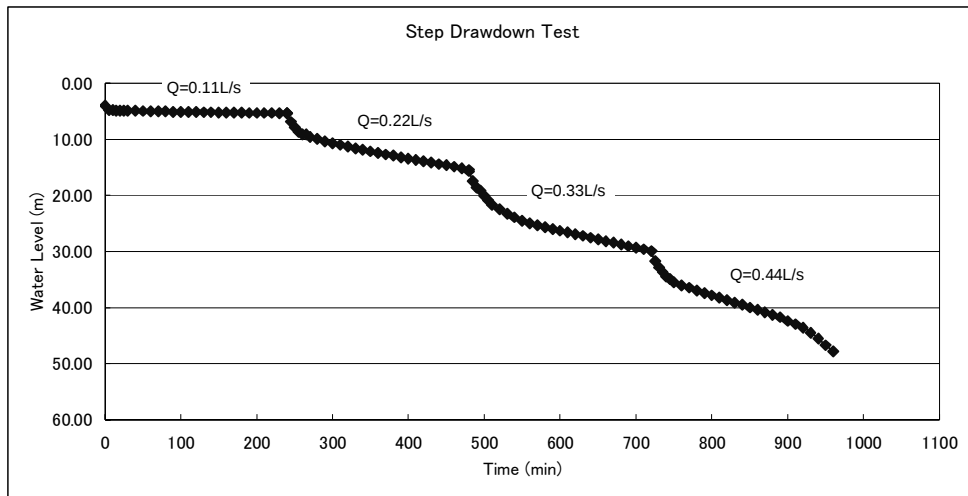
## May-dima No.9 (Rainy Season)



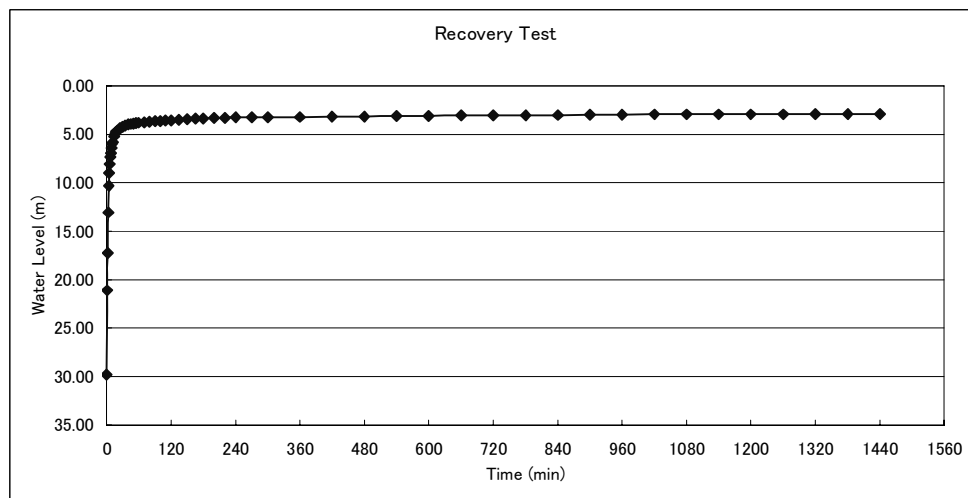
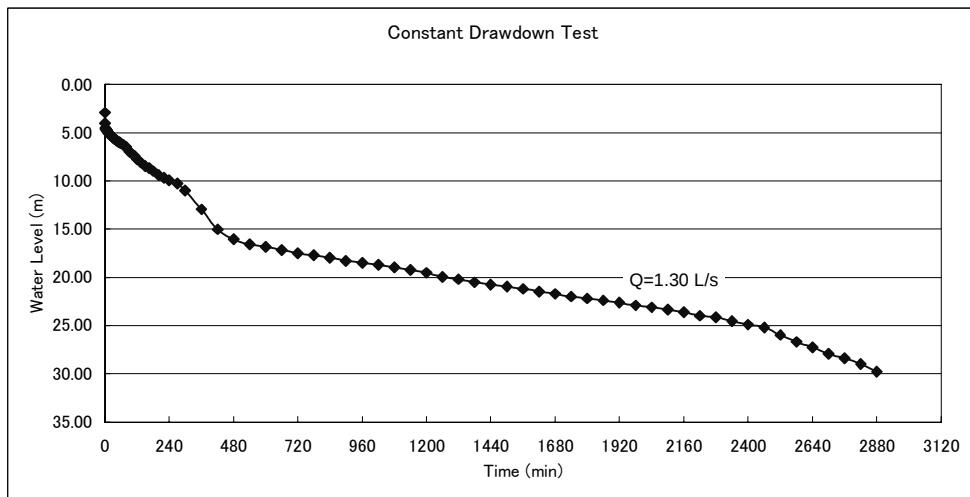
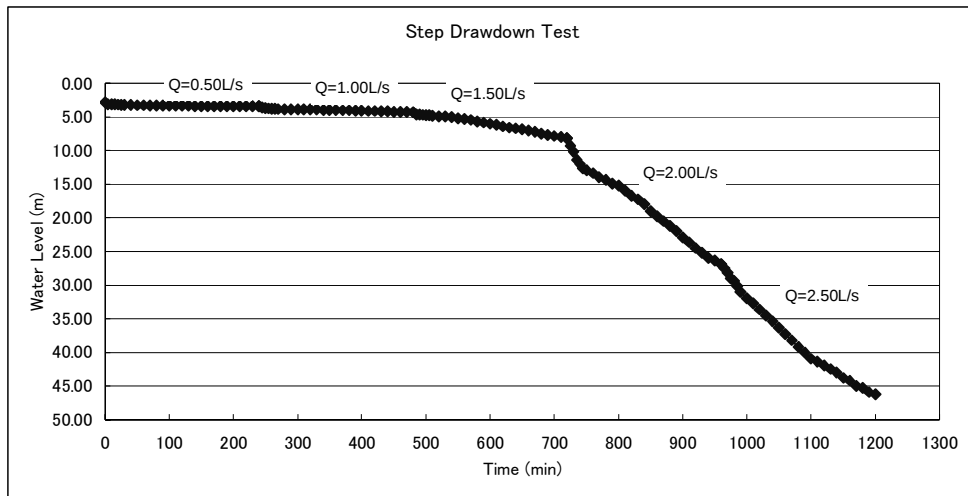
## May-dima No.1 (Dry Season)



## May-dima No.7 (Dry Season)



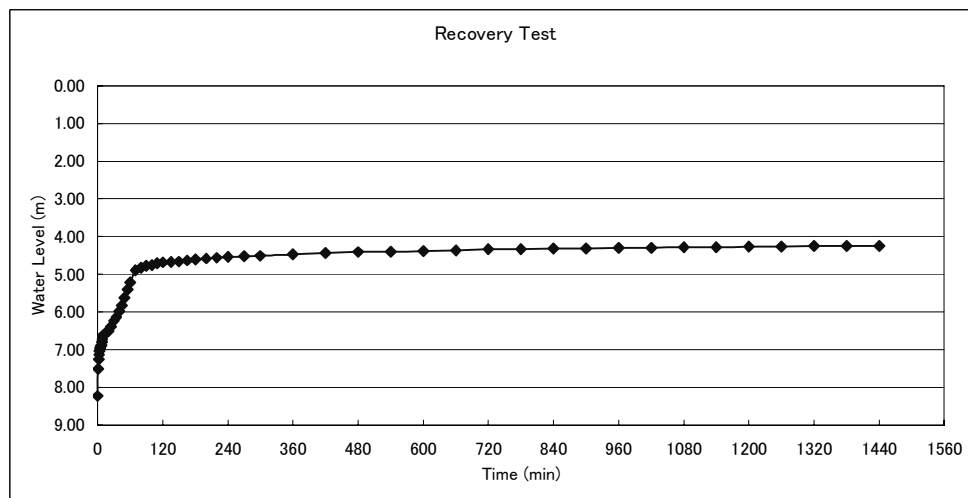
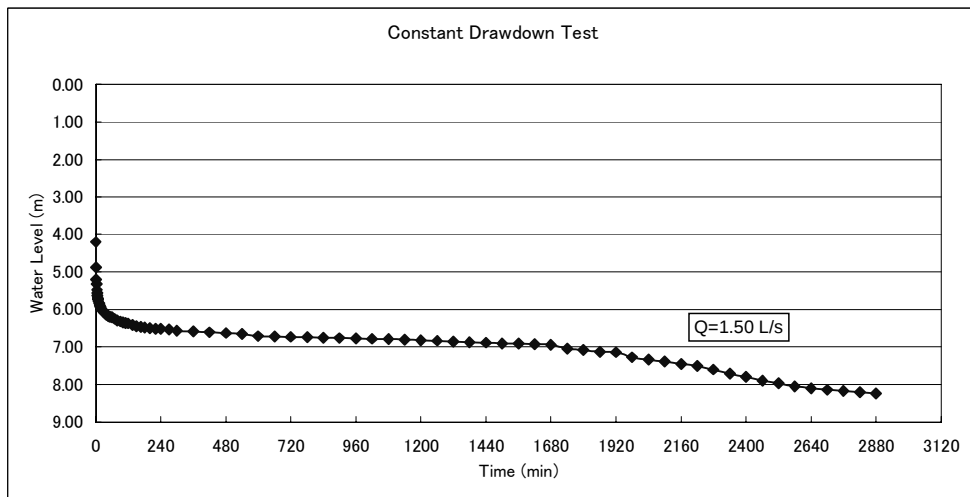
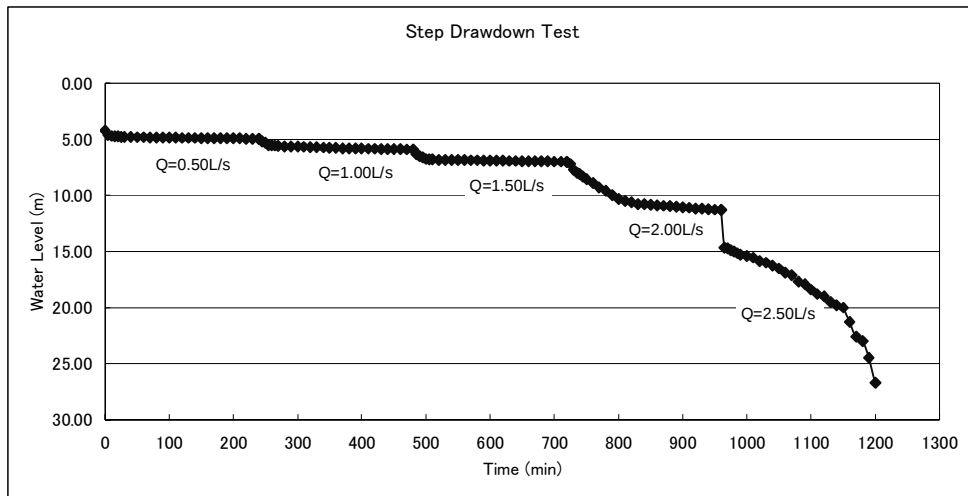
### May-dima Existing Borehole PW-2 (Dry Season)



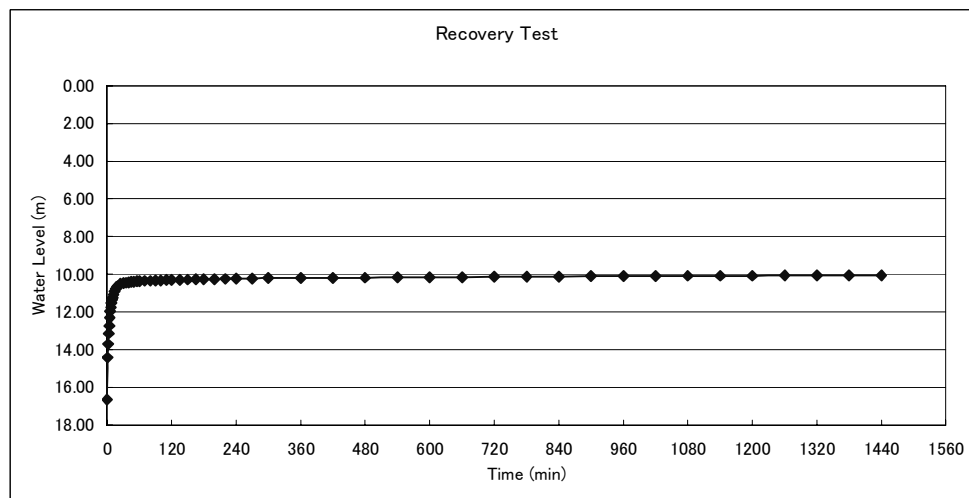
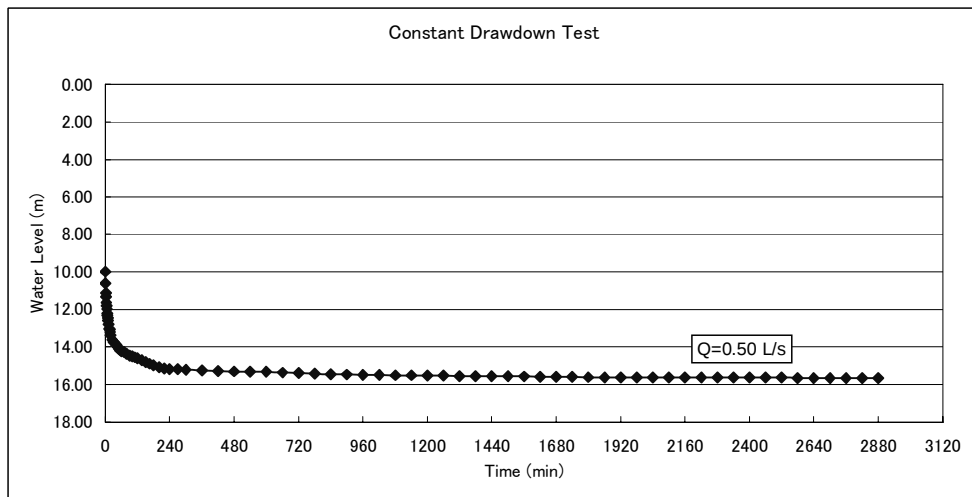
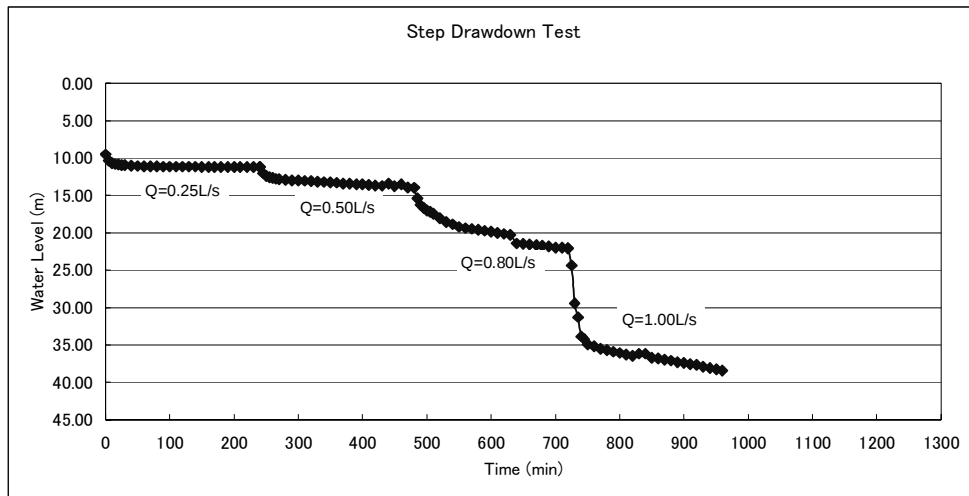
## ***Pumping Test Result***

***Adi Keyih***

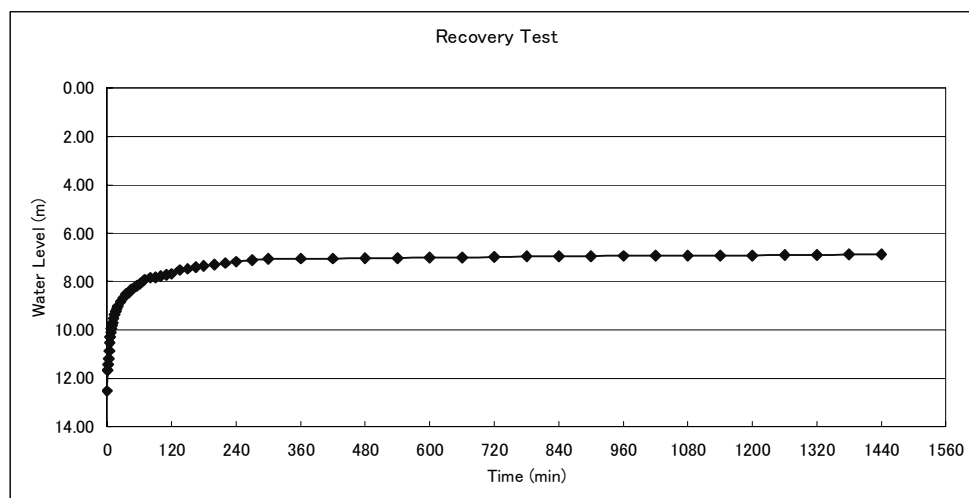
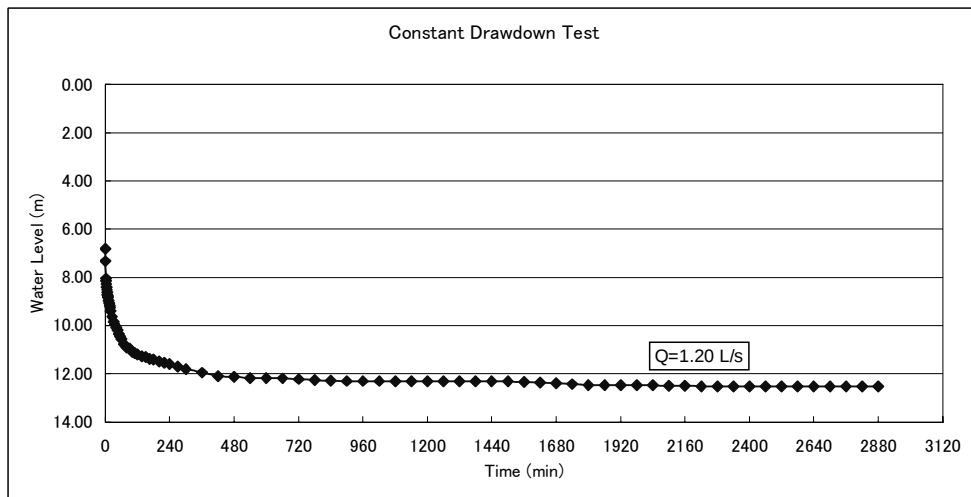
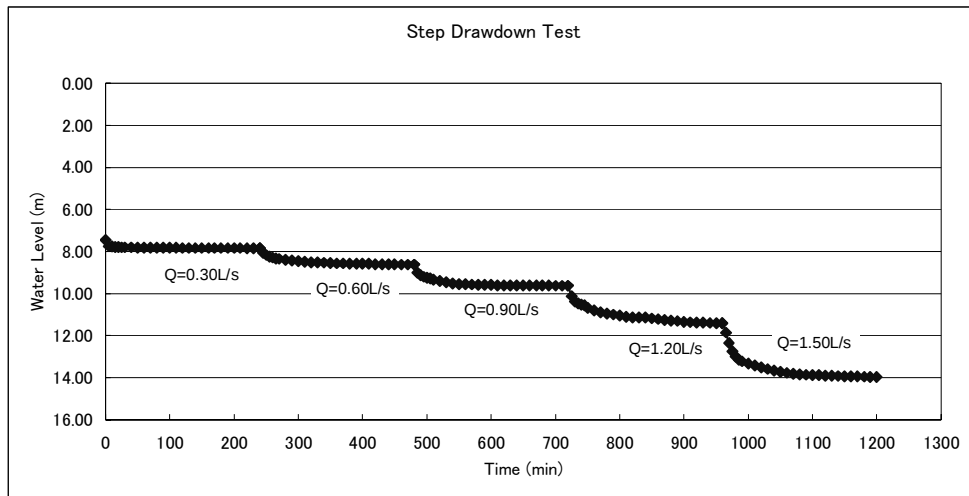
## Adi Keyih No.6 (Rainy Season)



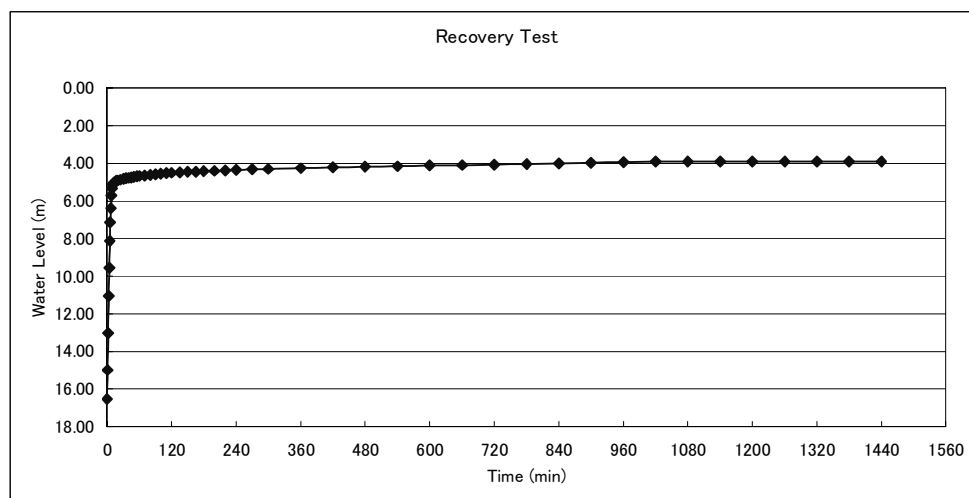
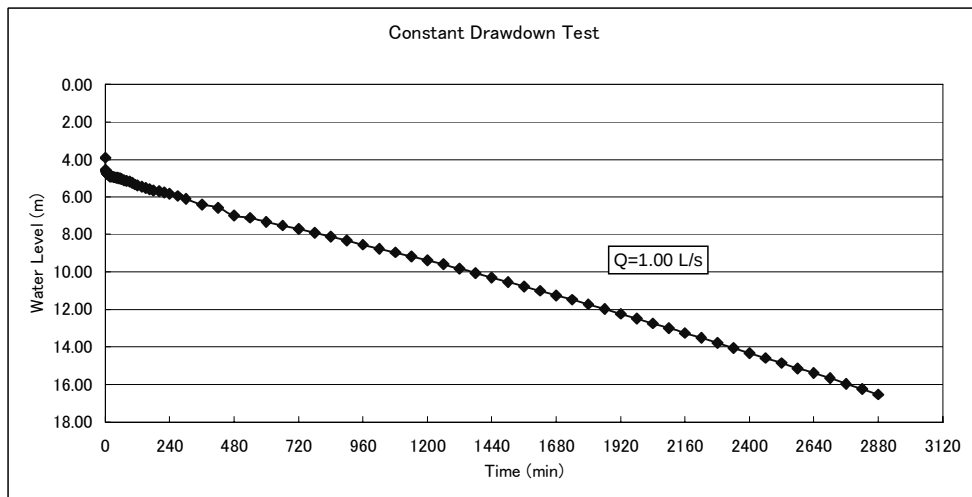
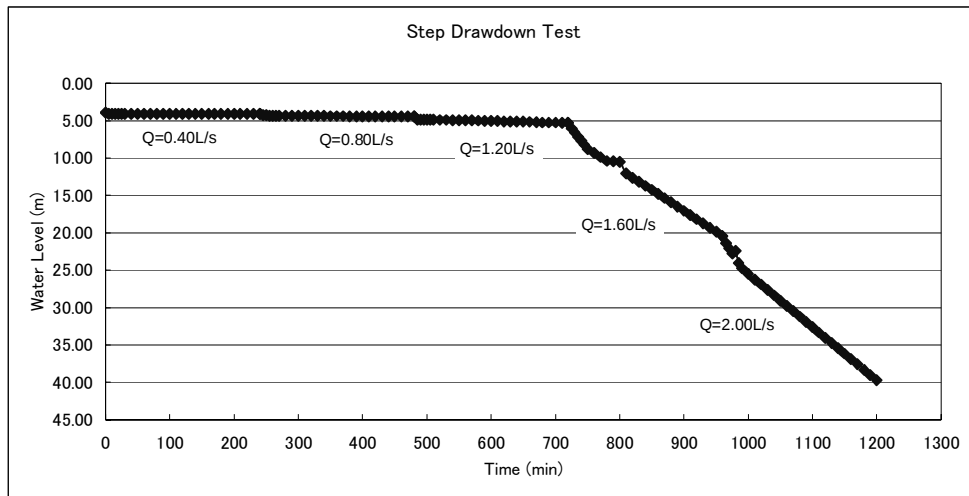
## Adi Keyih No.7 (Rainy Season)



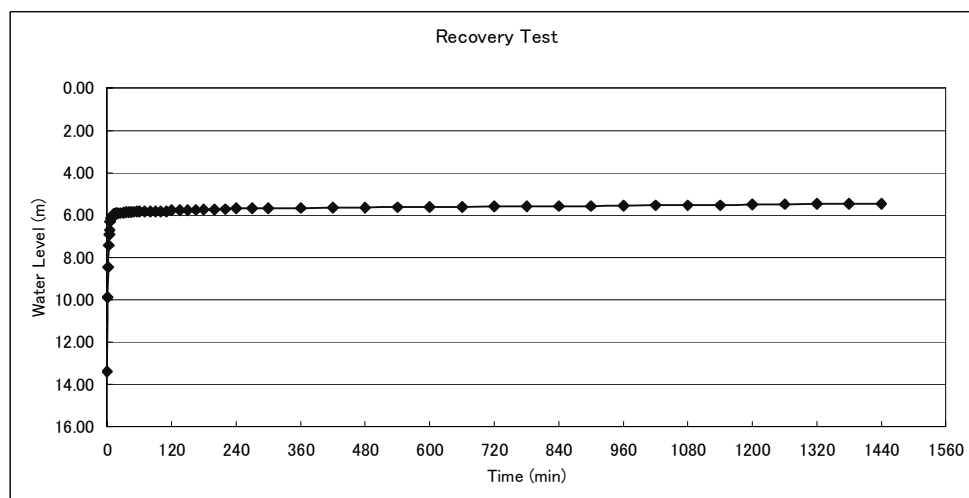
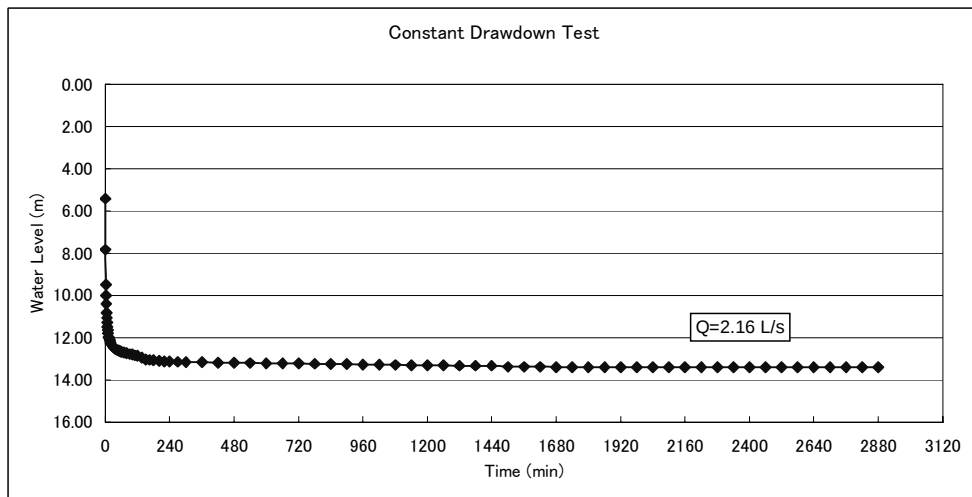
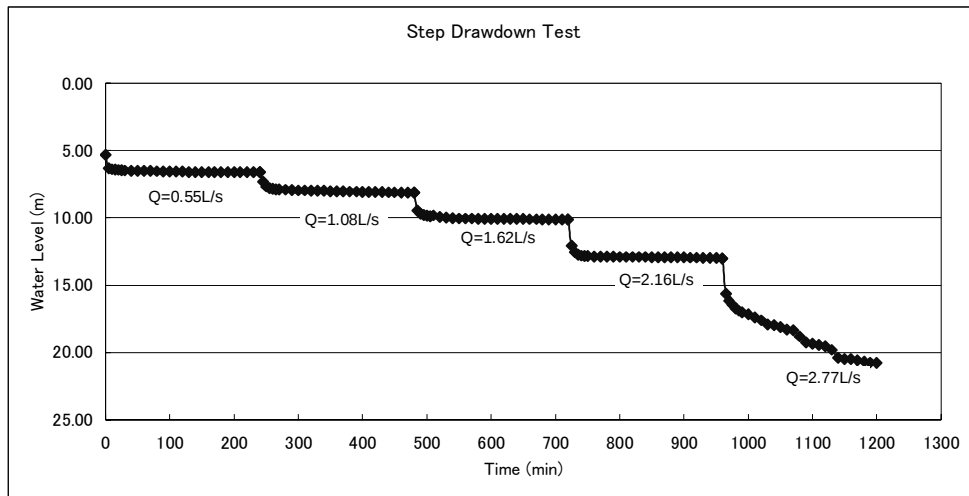
### Adi Keyih No.9 (Rainy Season)



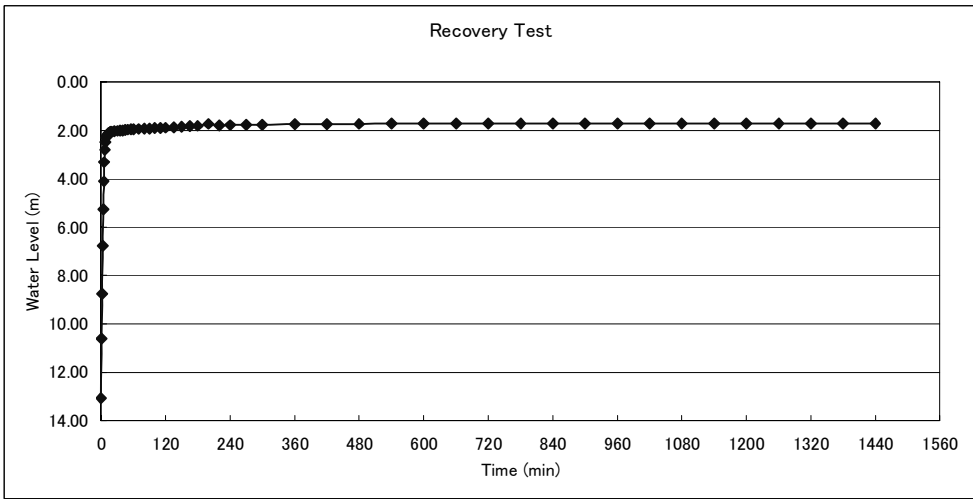
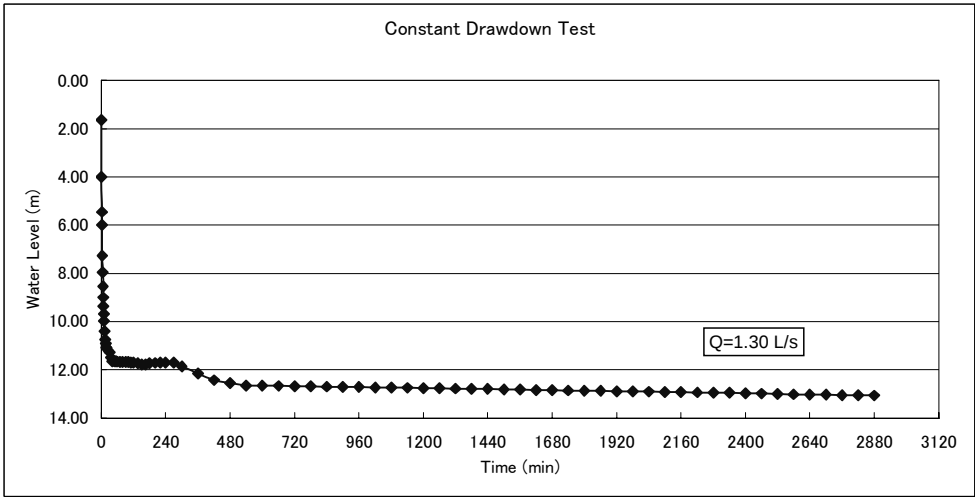
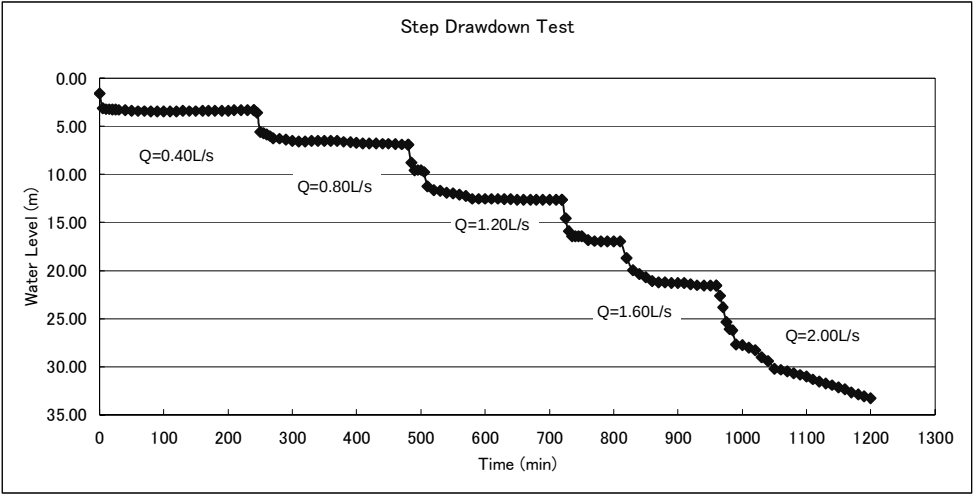
### Adi Keyih No.13 (Rainy Season)



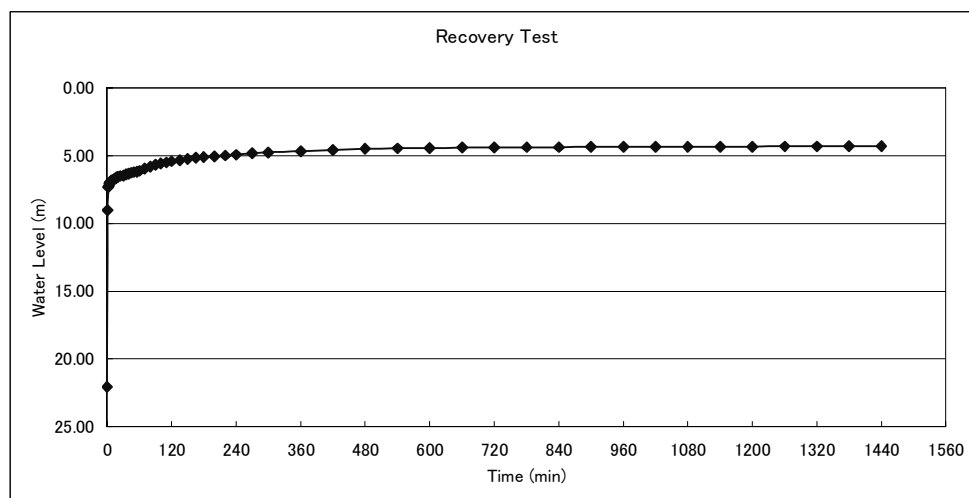
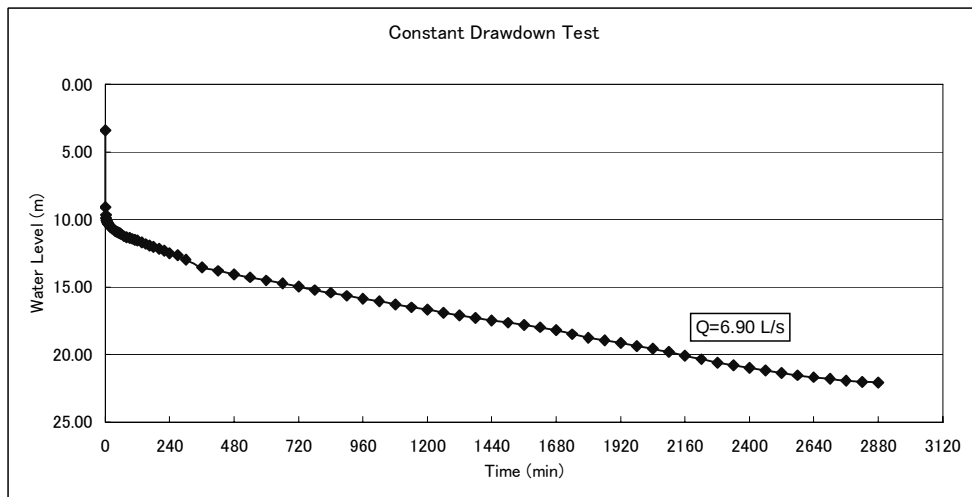
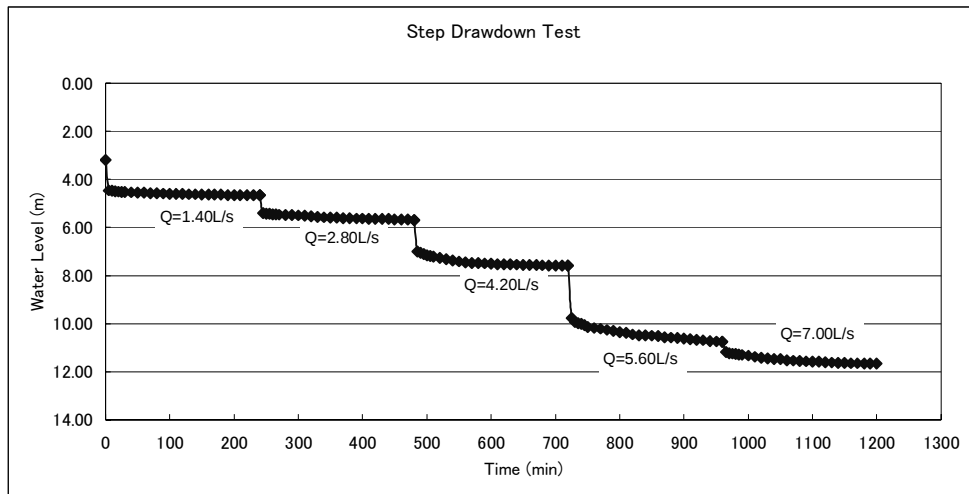
### Adi Keyih No.14 (Rainy Season)



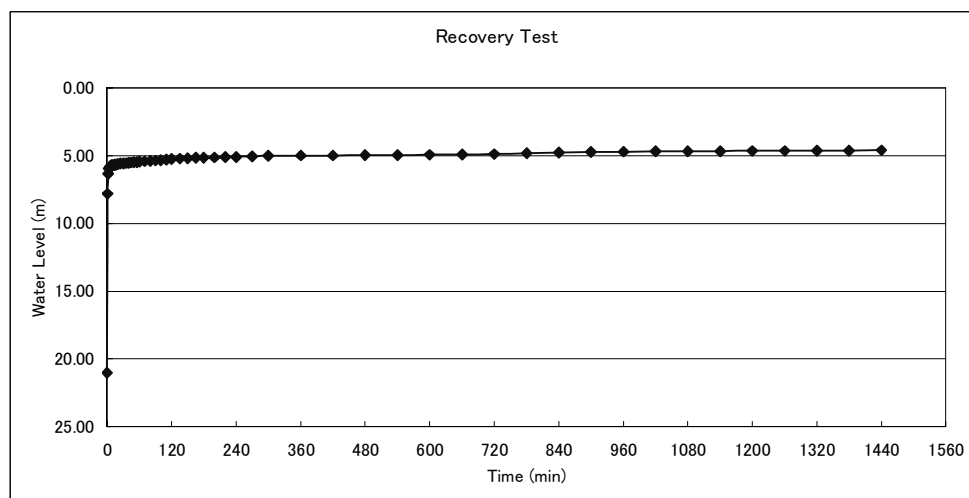
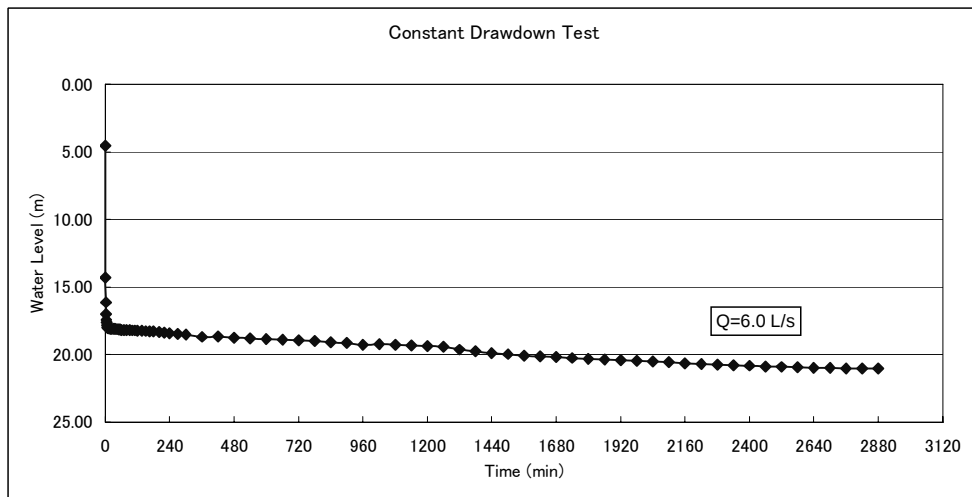
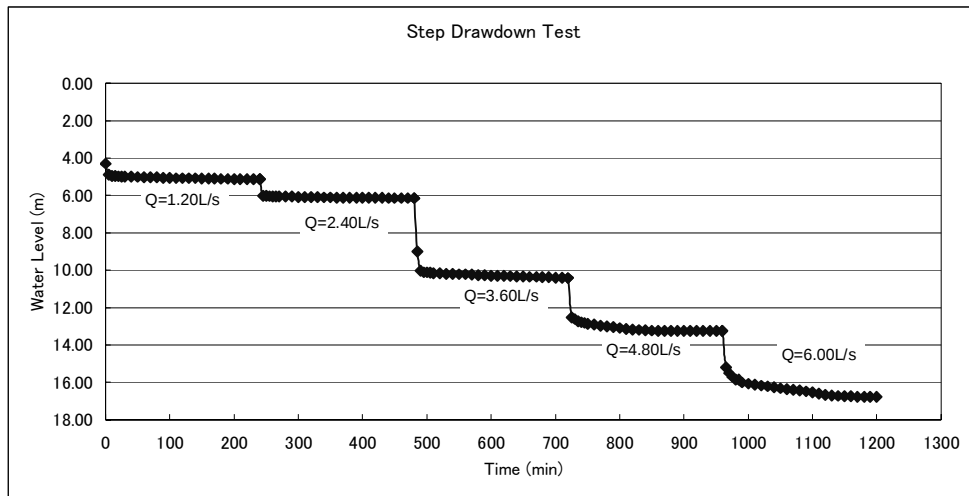
Adi Keyih No.15 (Rainy Season)



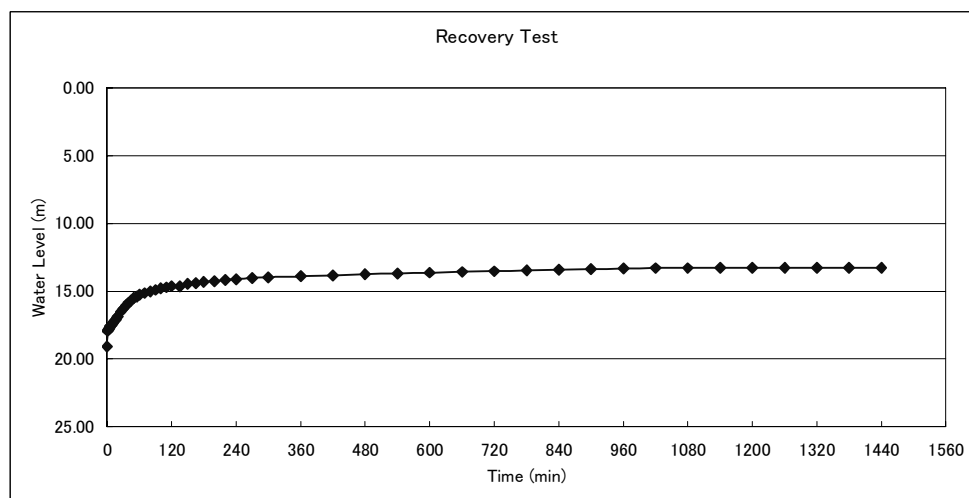
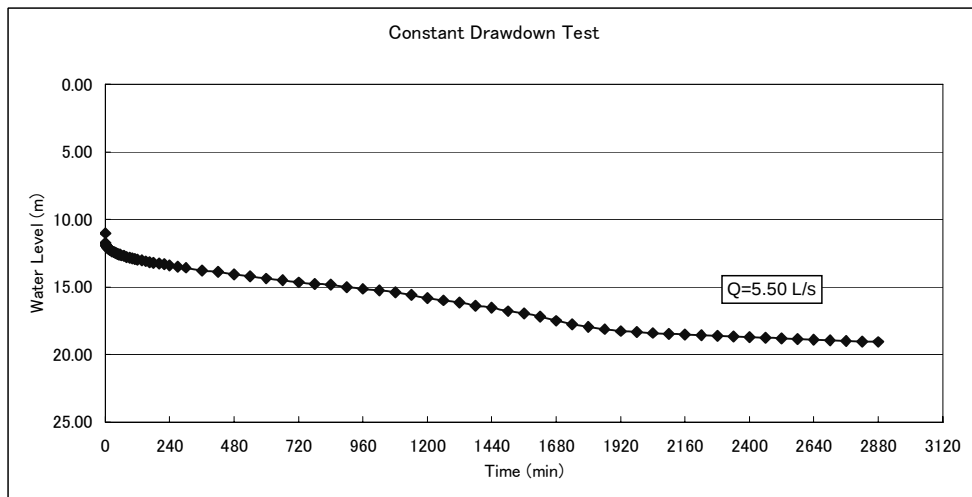
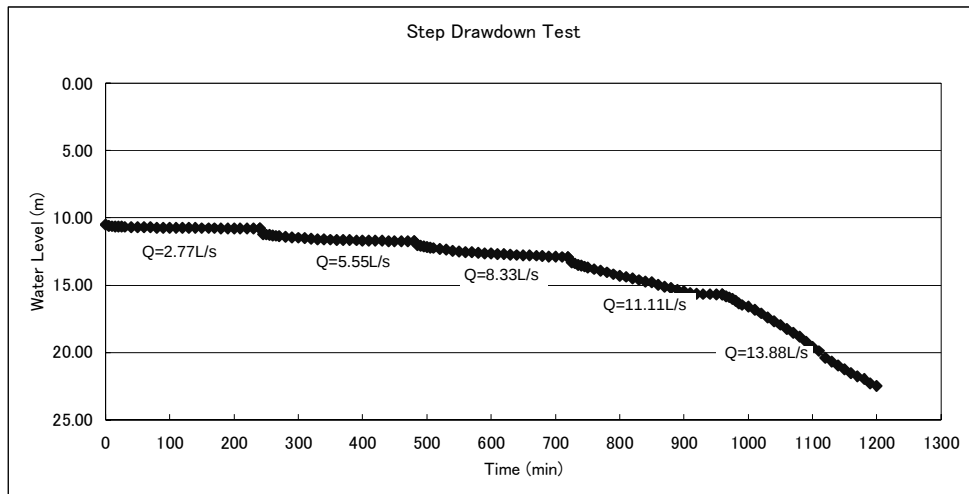
## Adi Keyih No.16 (Rainy Season)



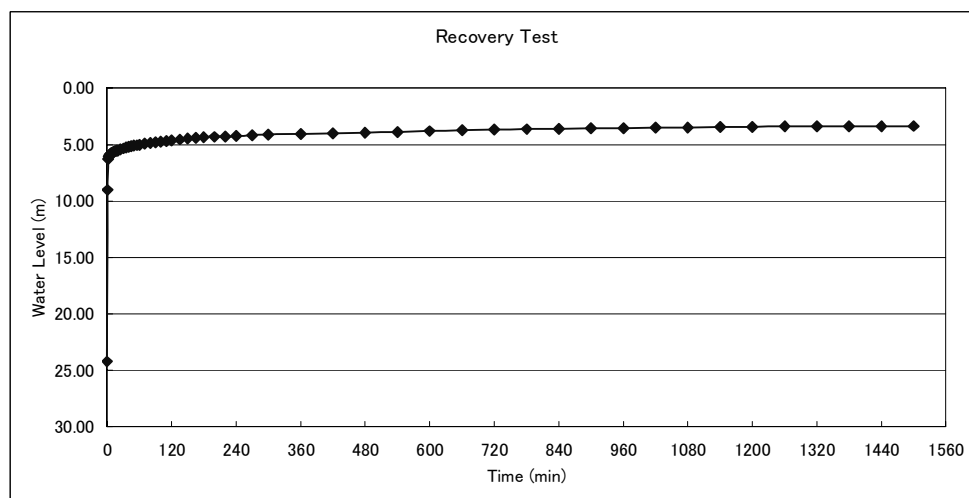
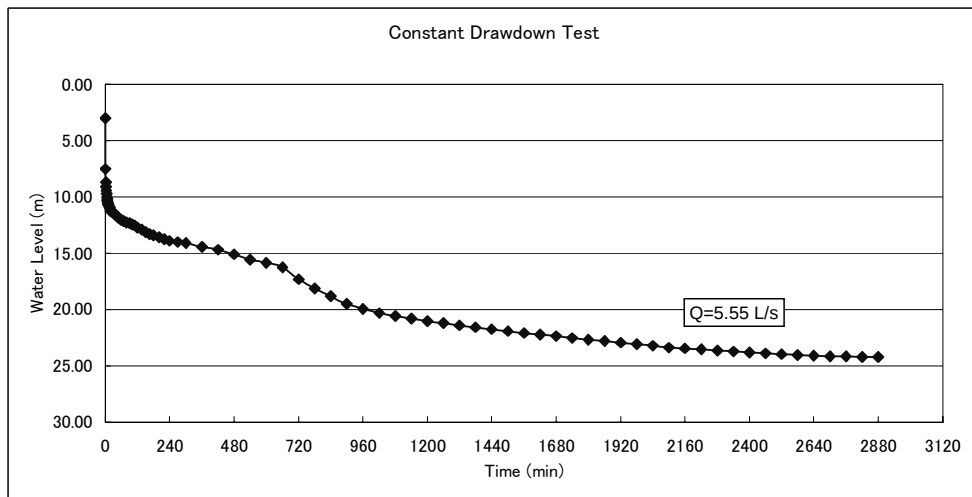
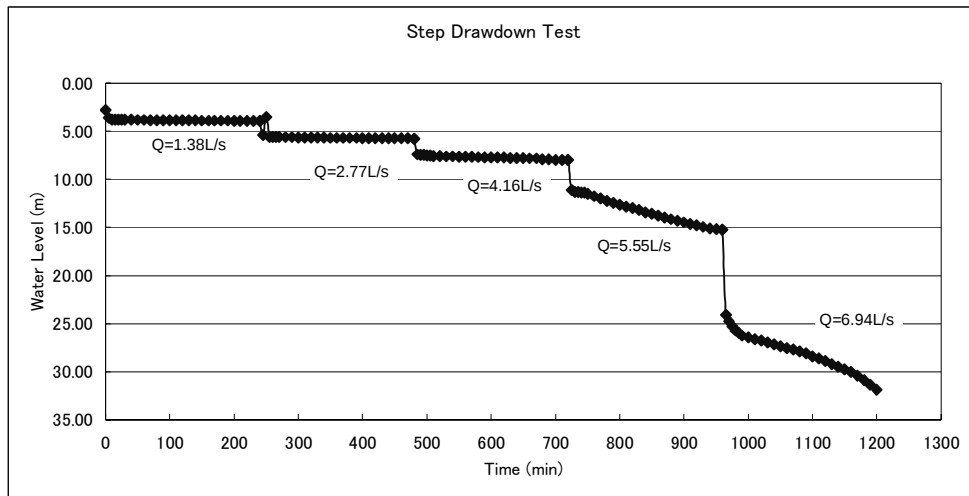
### Adi Keyih No.17 (Rainy Season)



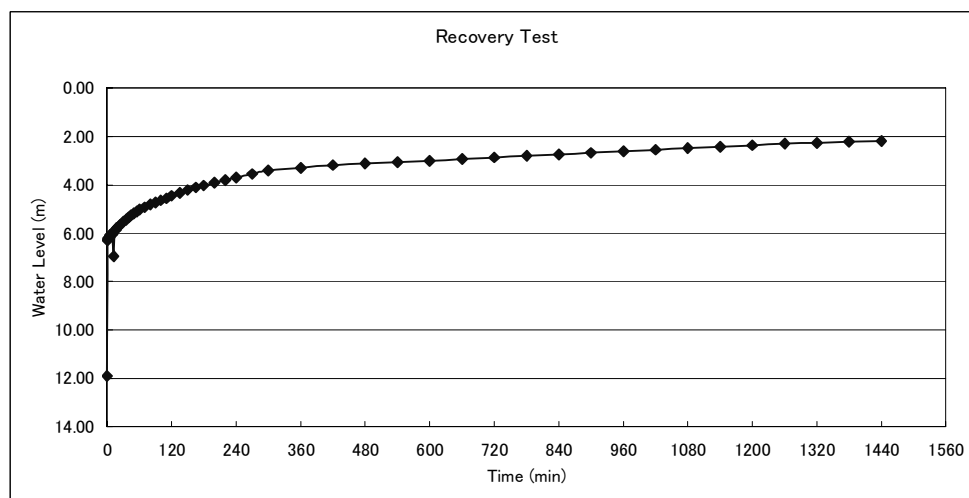
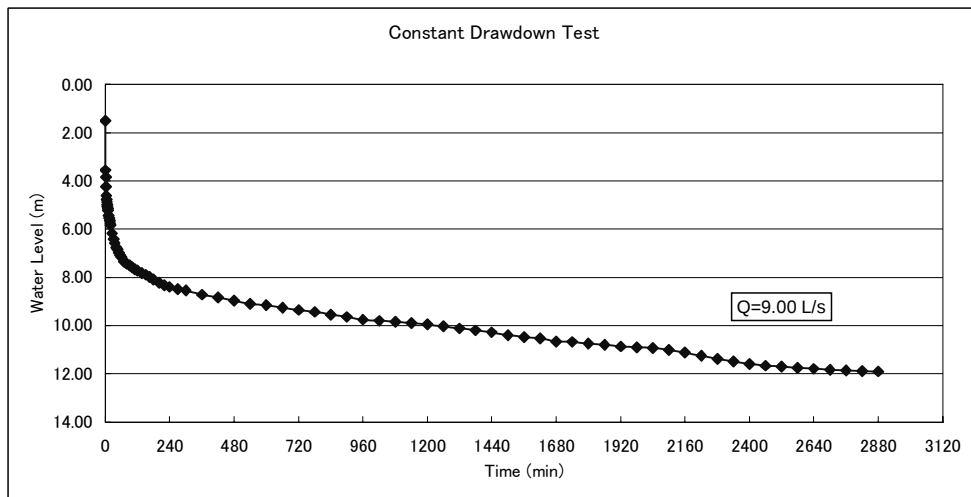
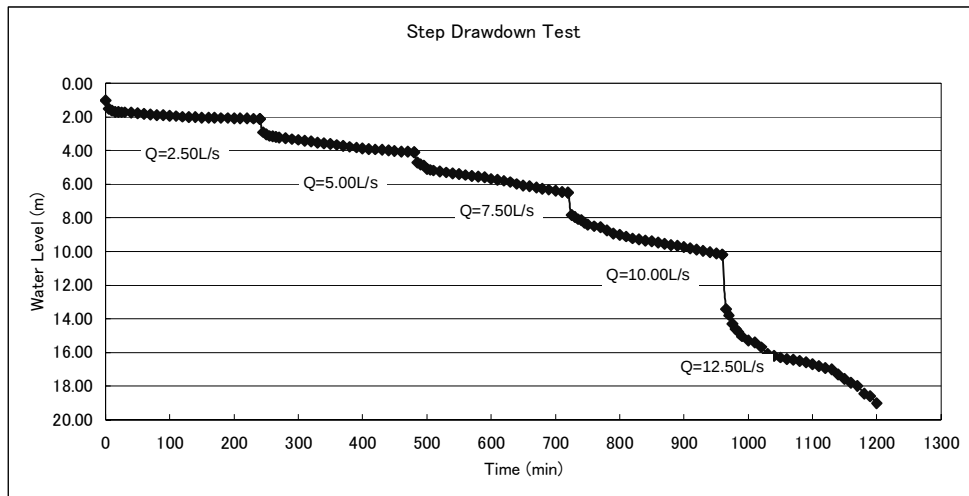
## Adi Keyih No.18 (Rainy Season)



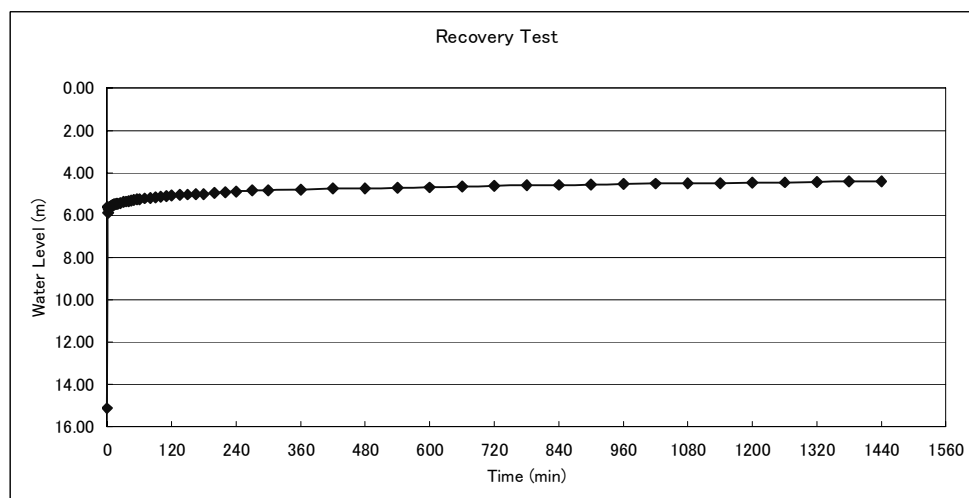
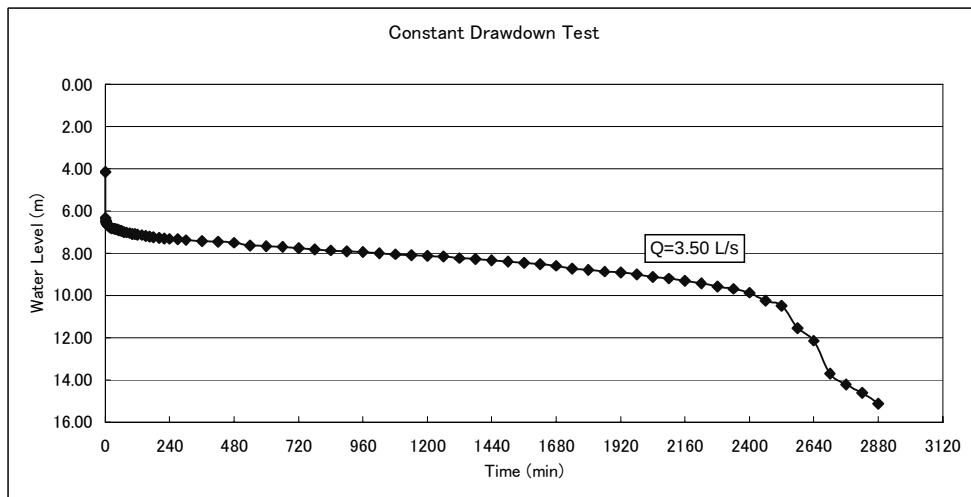
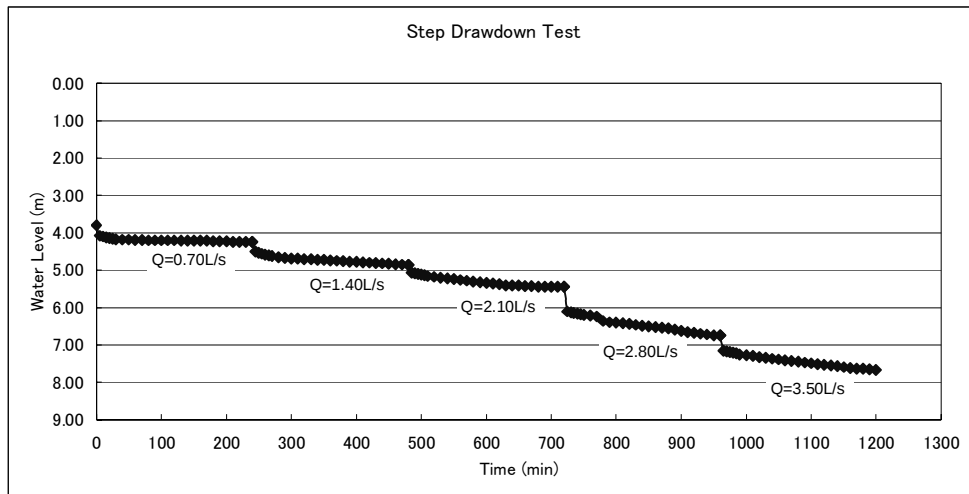
### Adi Keyih No.19 (Rainy Season)



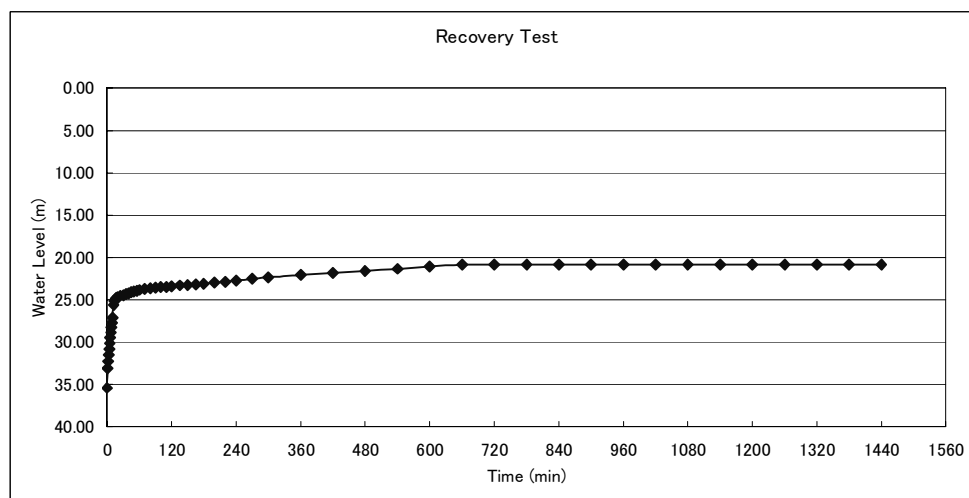
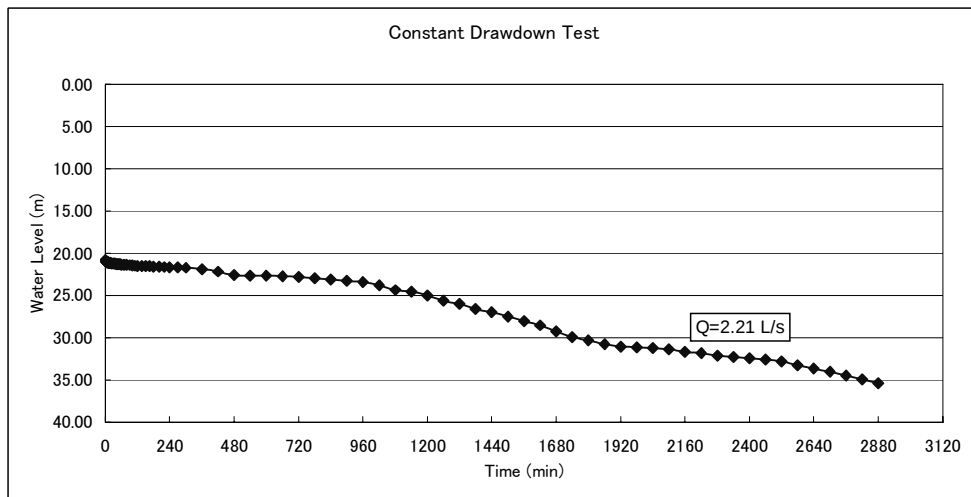
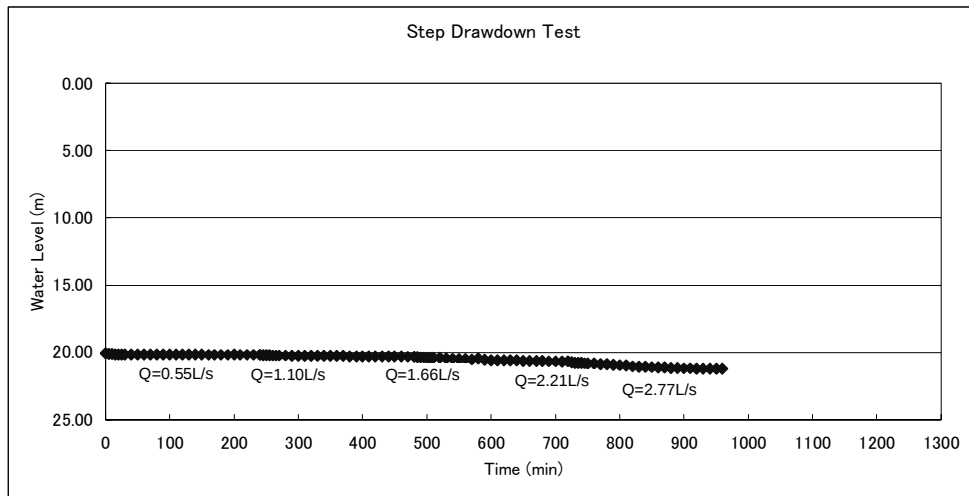
## Adi Keyih No.20 (Rainy Season)



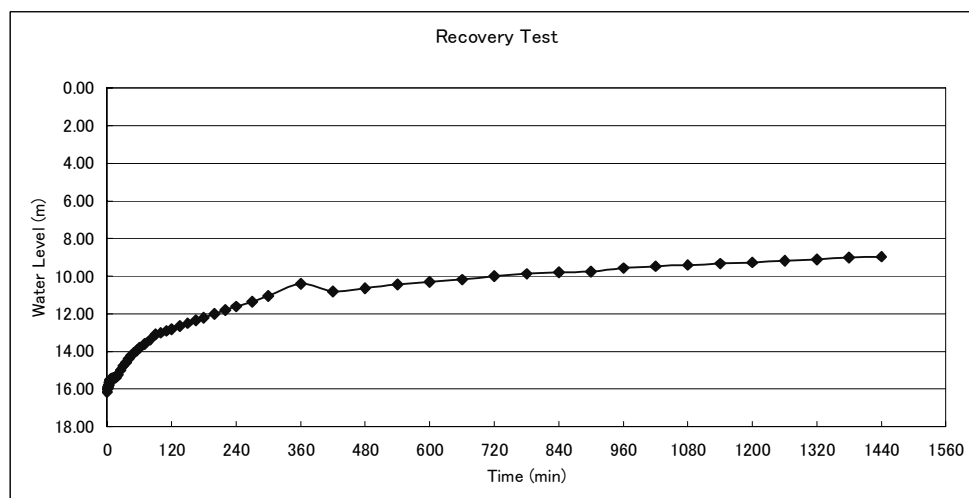
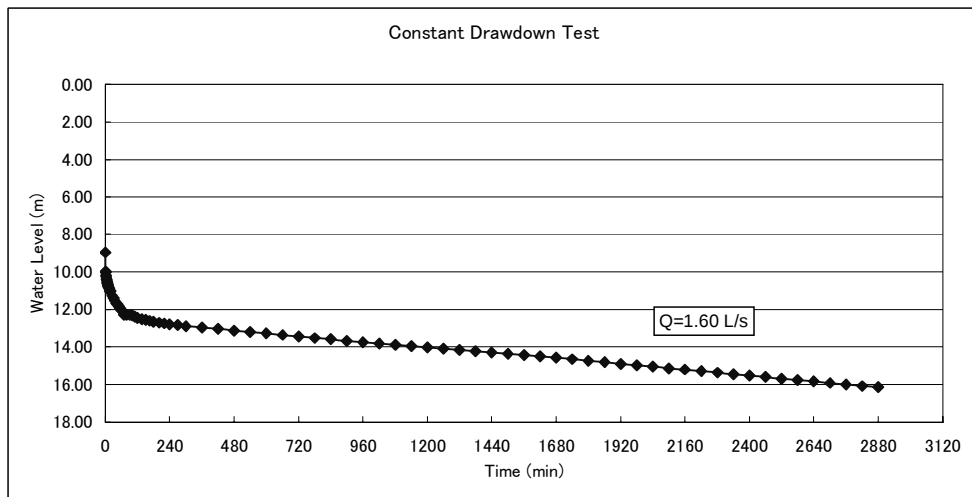
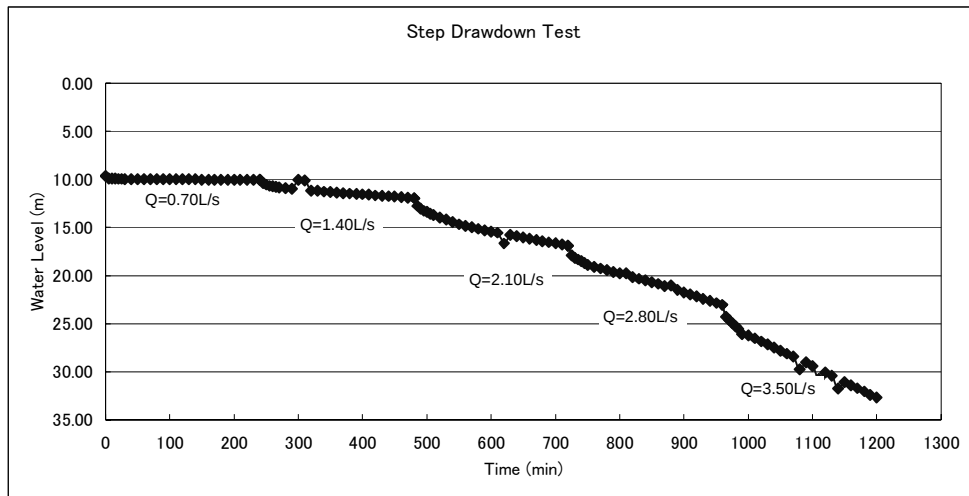
### Adi Keyih Existing Borehole BH-3 (Rainy Season)



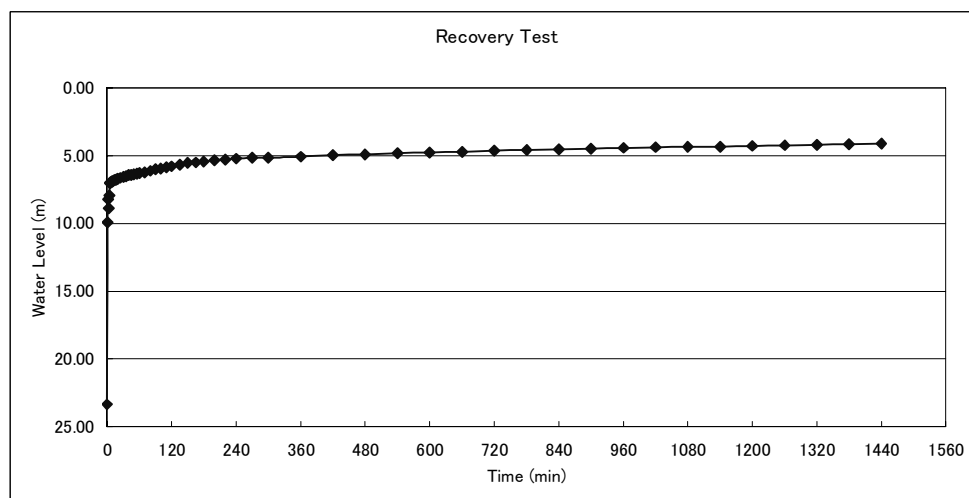
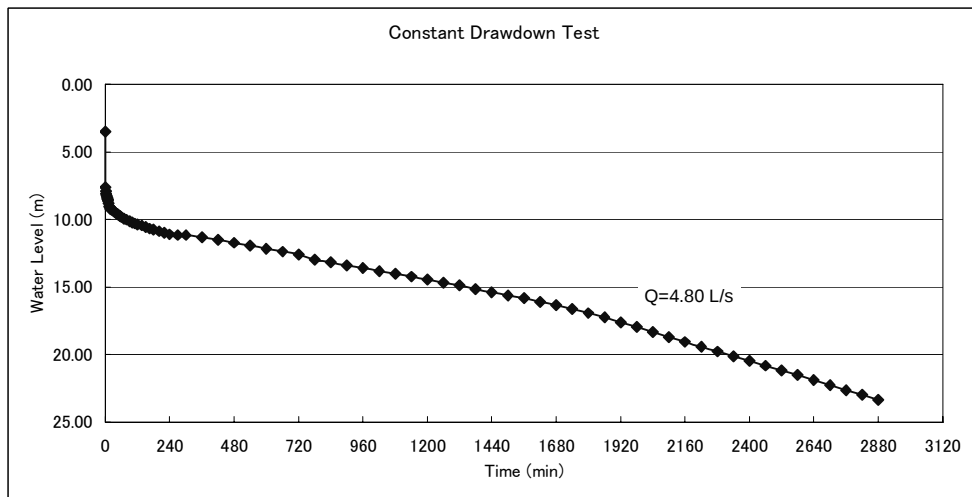
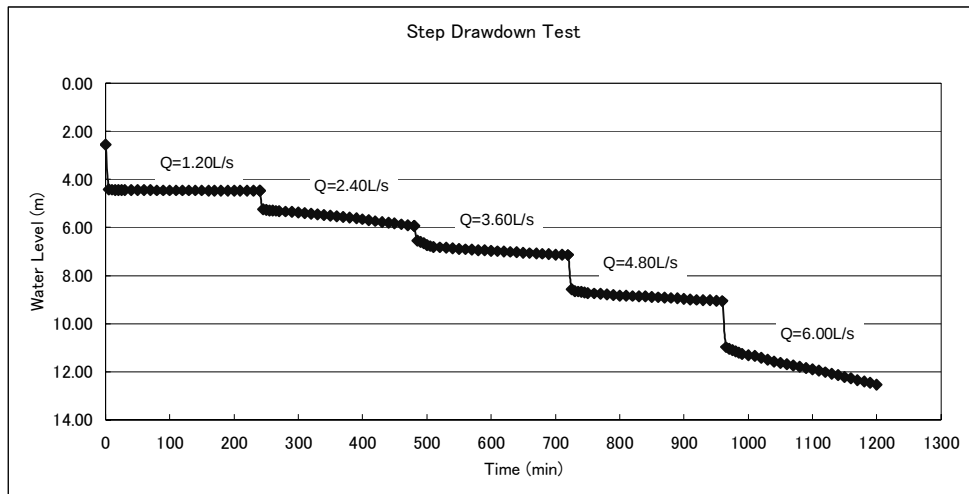
## Adi Keyih Existing Borehole BH-7 (Rainy Season)



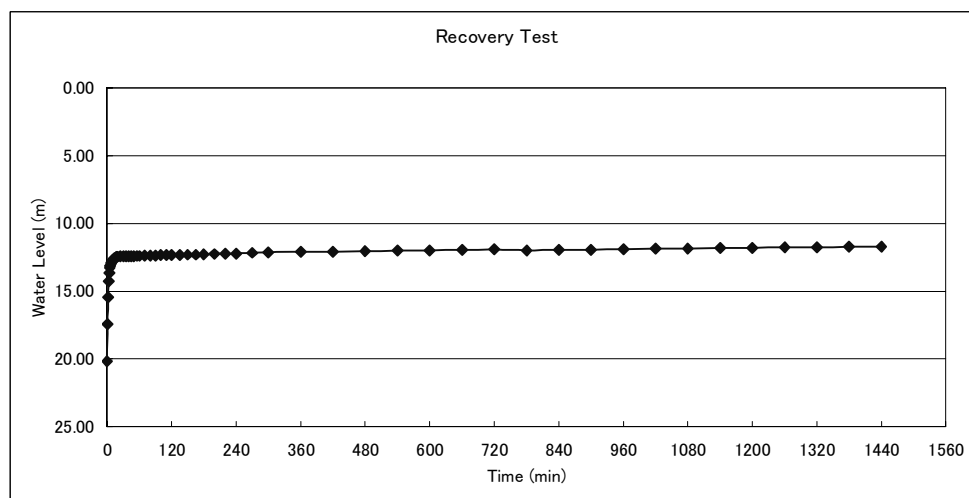
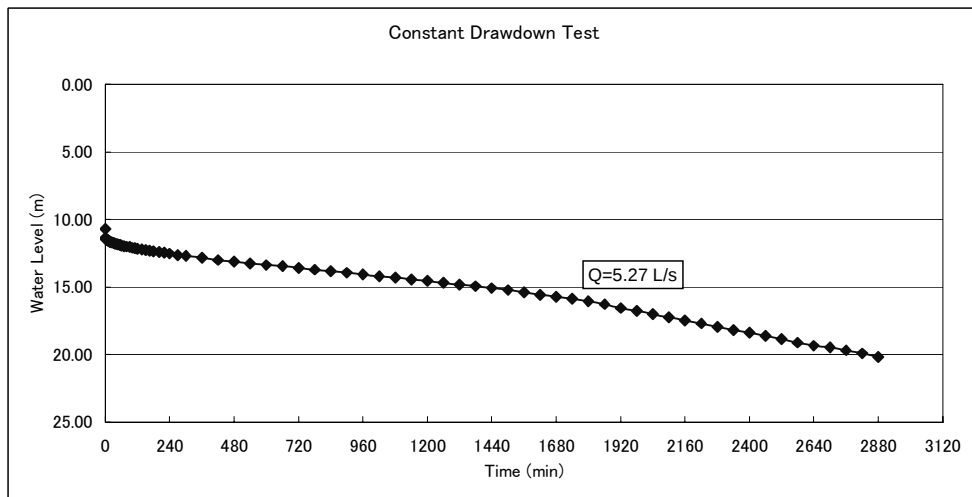
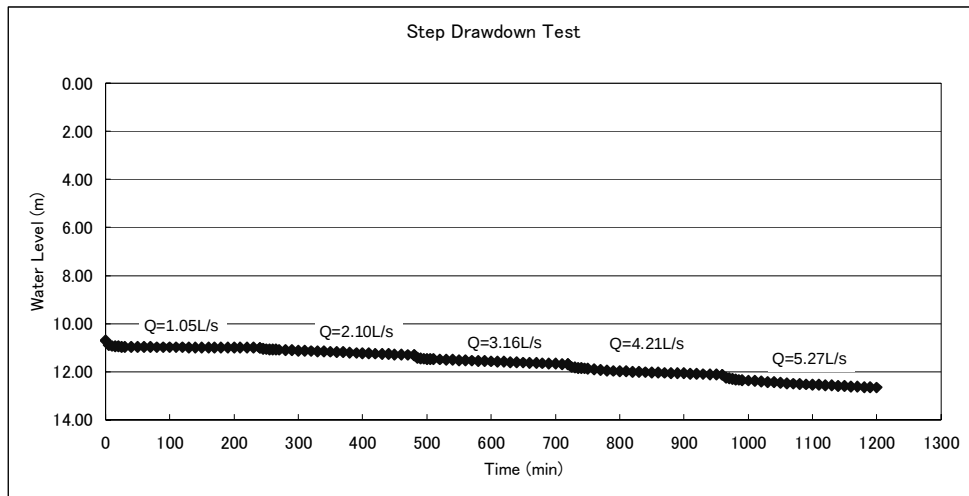
### Adi Keyih Existing Borehole Adi-2 (Rainy Season)



## Adi Keyih No.16 (Dry Season)

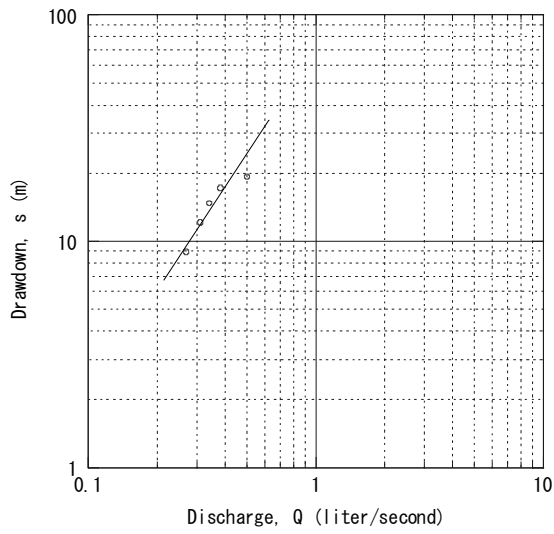


## Adi Keyih No.18 (Dry Season)

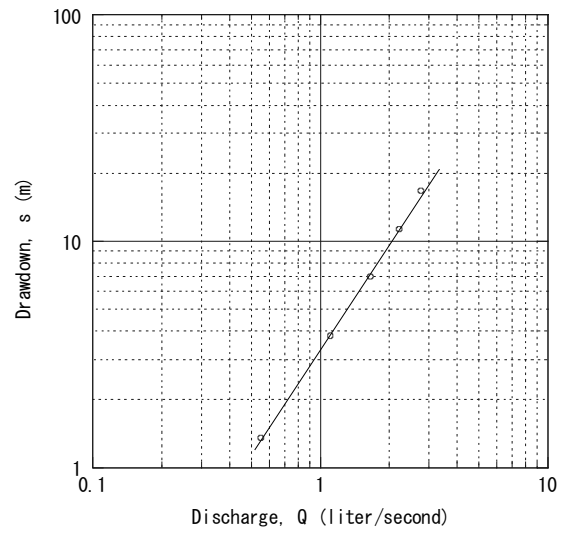


## ***Analysis Result***

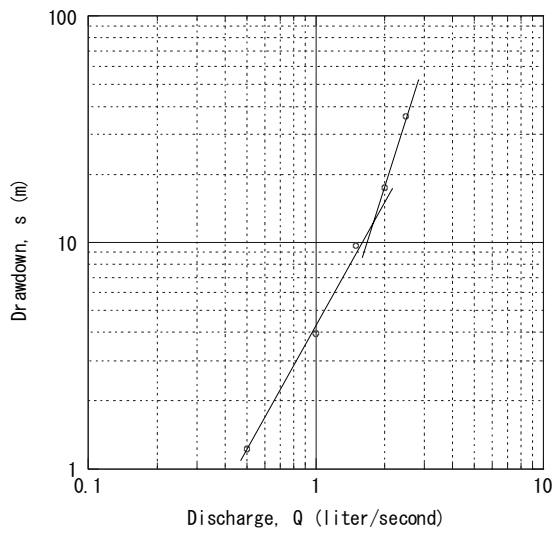
### Analysis Result (Rainy Season)



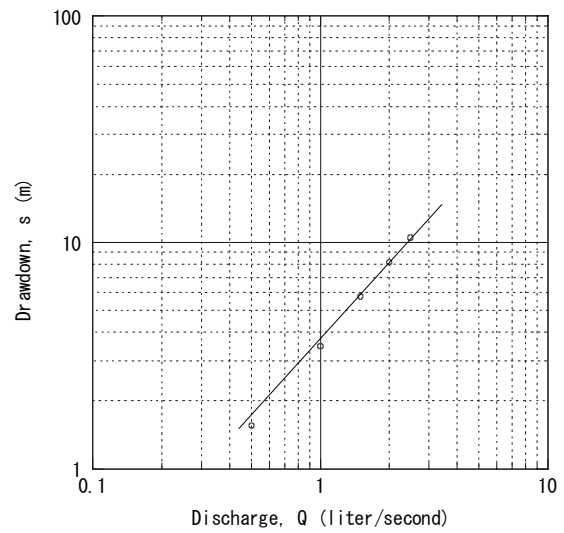
**Debarwa No. 7  
Step-Drawdown Test**



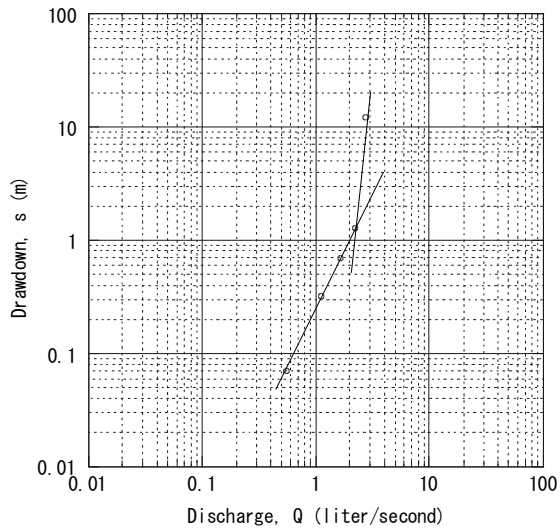
**Debarwa No. 10  
Step-Drawdown Test**



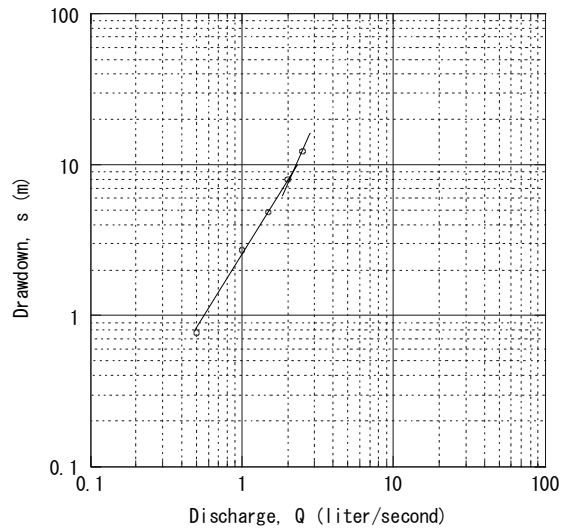
**Debarwa No. 11-1  
Step-Drawdown Test**



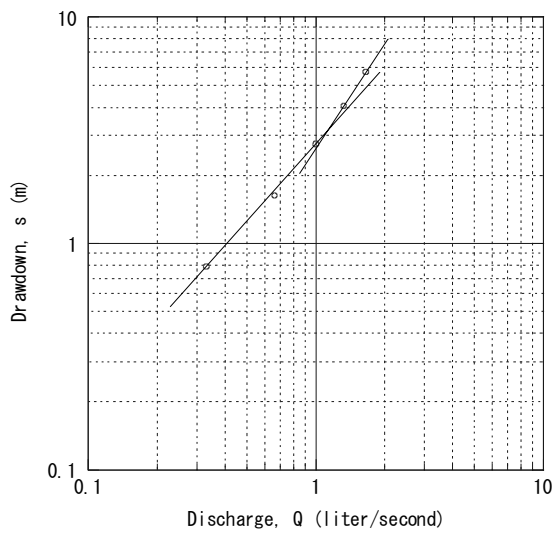
**Debarwa No. 11-2  
Step-Drawdown Test**



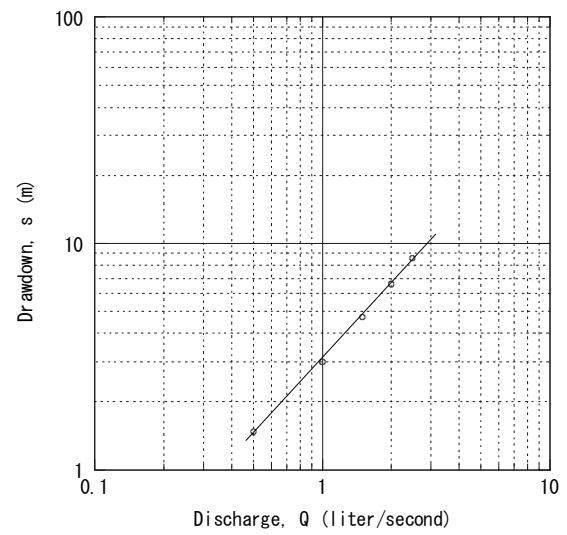
**Debarwa DEB-1 (Existing)  
Step-Drawdown Test**



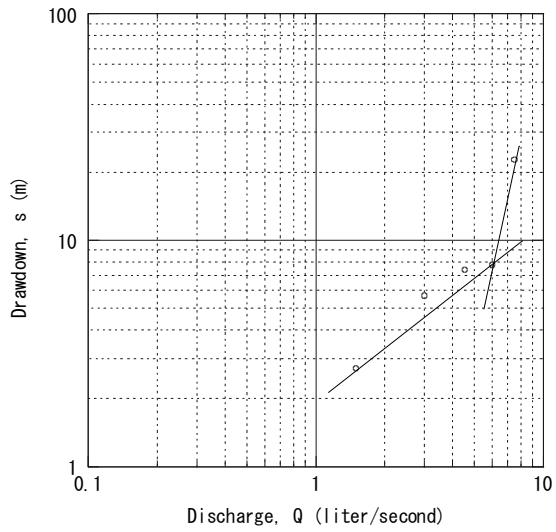
**Dekemhare No. 1  
Step-Drawdown Test**



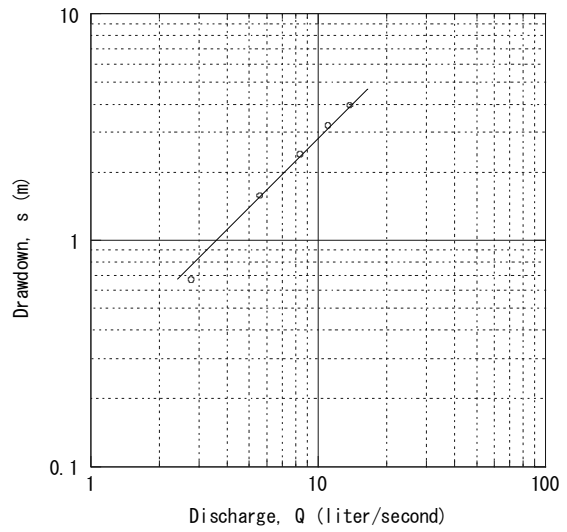
**Dekemhare No. 2  
Step-Drawdown Test**



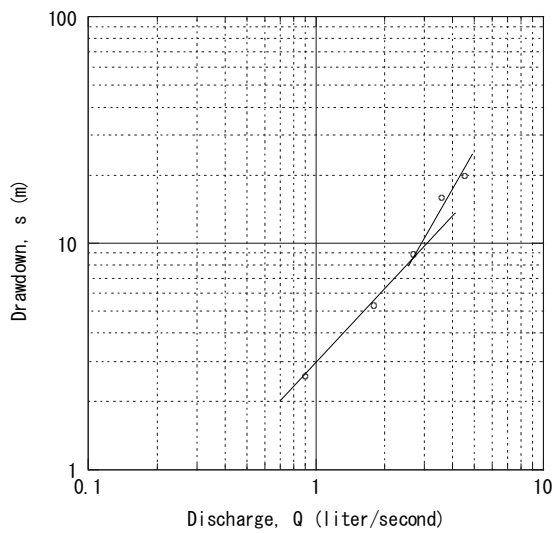
**Dekemhare No. 3  
Step-Drawdown Test**



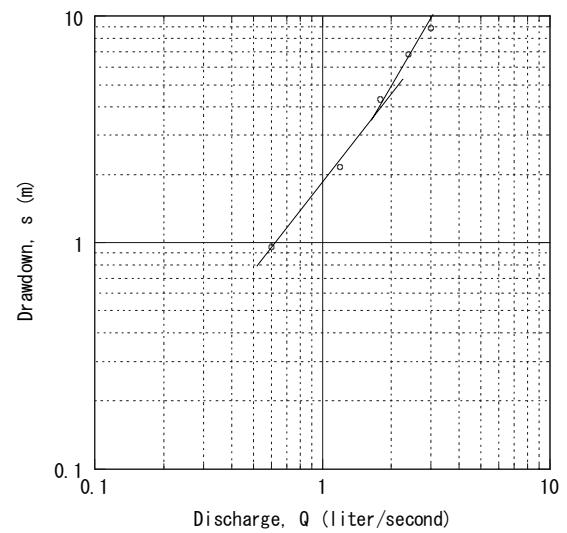
**Dekemhare No. 4  
Step-Drawdown Test**



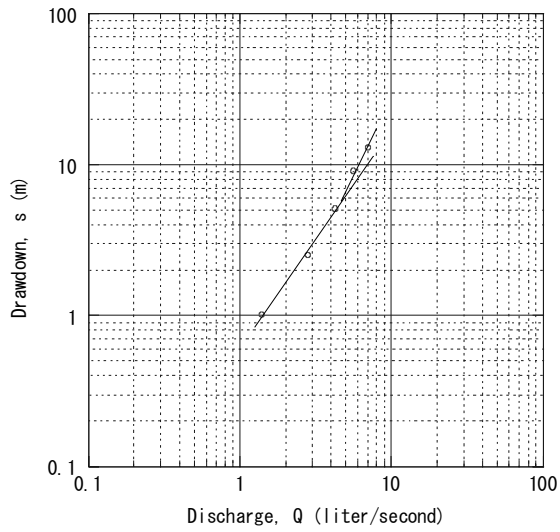
**Dekemhare No. 5  
Step-Drawdown Test**



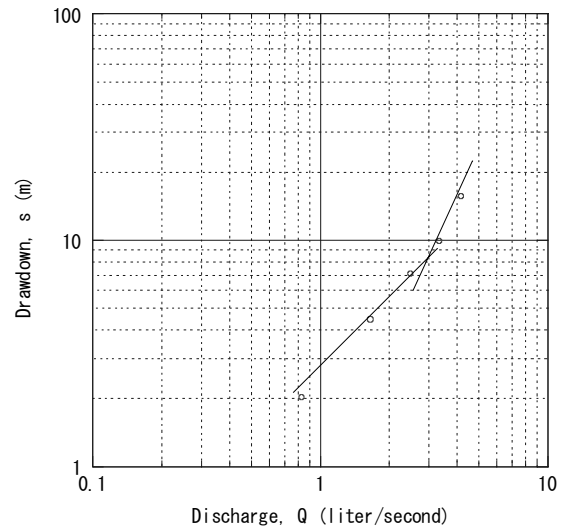
**Dekemhare BH14 (Existing)  
Step-Drawdown Test**



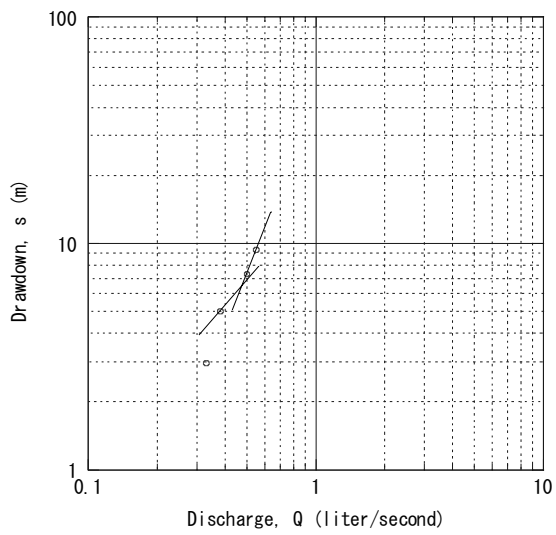
**Dekemhare BH19 (Existing)  
Step-Drawdown Test**



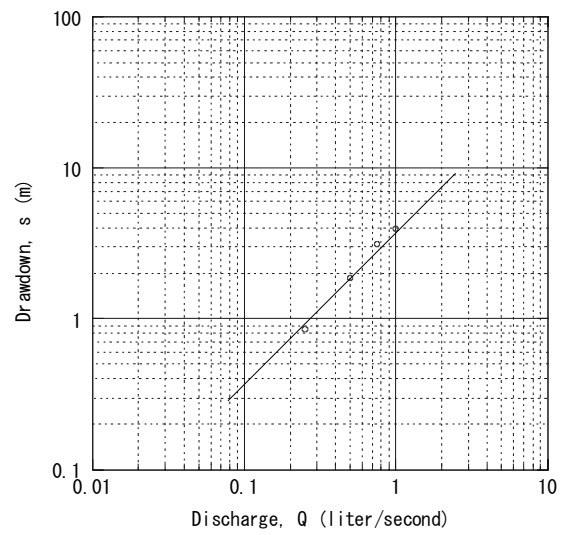
**Dekemhare DEK-2 (Existing)  
Step-Drawdown Test**



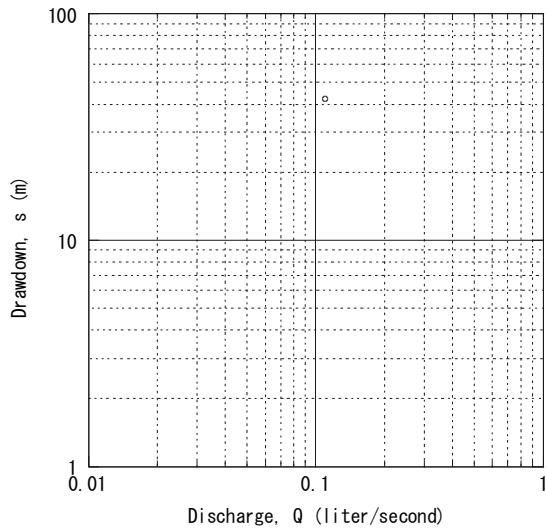
**Dekemhare Enda Asale2 (Existing)  
Step-Drawdown Test**



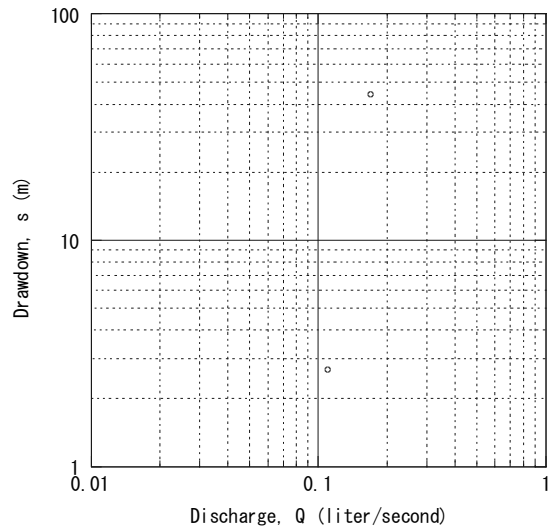
**May-dima No.1  
Step-Drawdown Test**



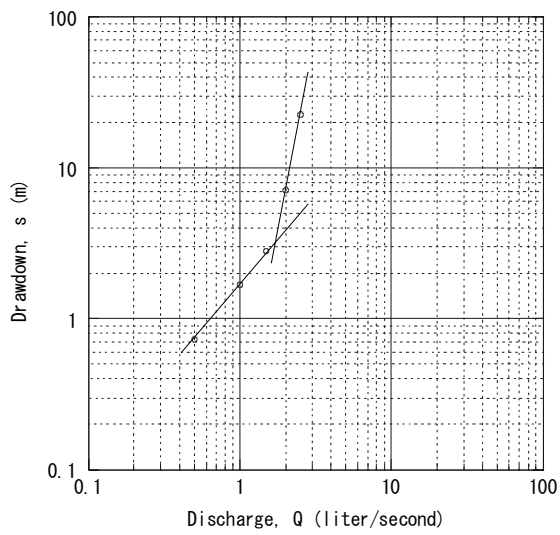
**May-dima No.7  
Step-Drawdown Test**



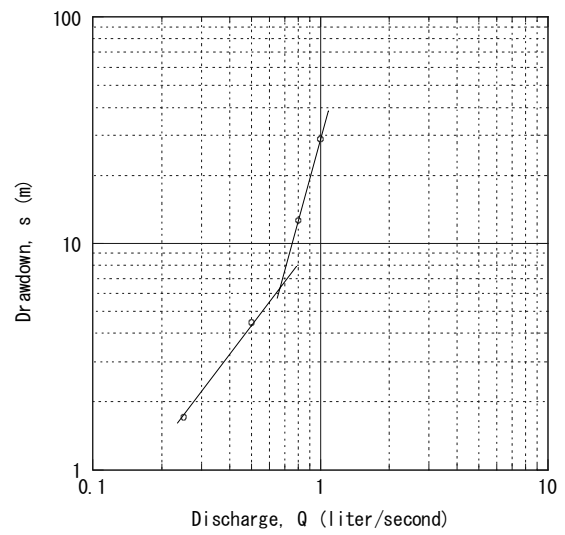
**May-dima No.8  
Step-Drawdown Test**



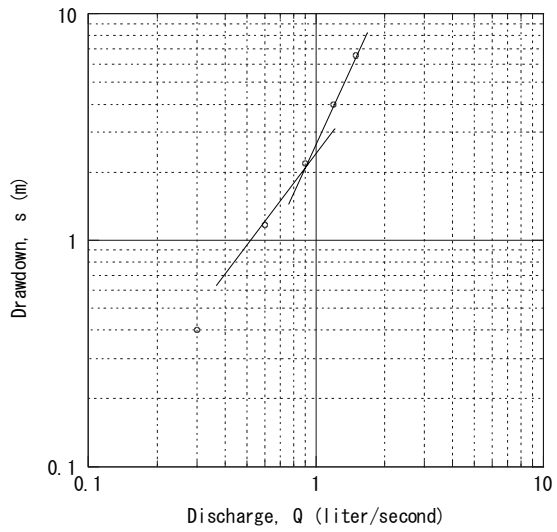
**May-dima No.9  
Step-Drawdown Test**



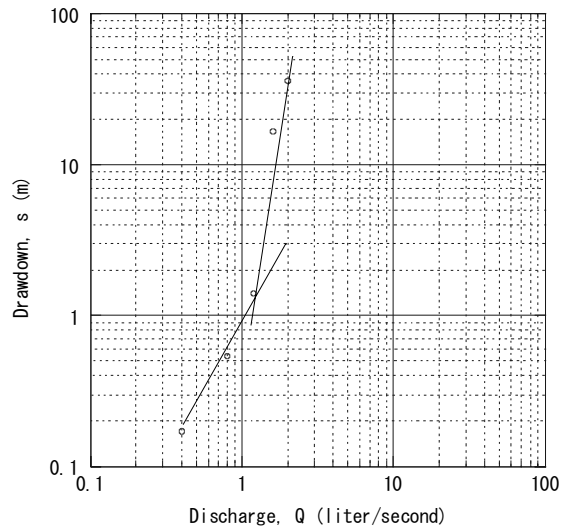
**Adi Keyih No.6  
Step-Drawdown Test**



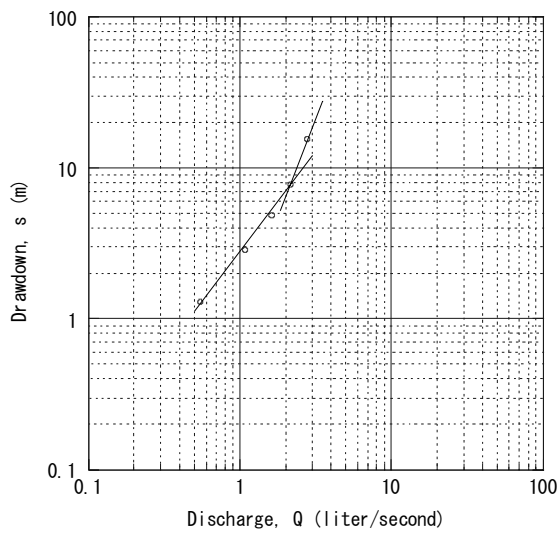
**Adi Keyih No.7  
Step-Drawdown Test**



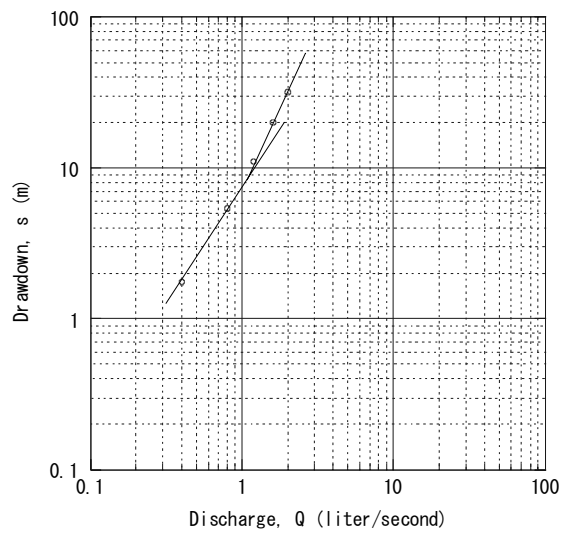
**Adi Keyih No. 9**  
Step-Drawdown Test



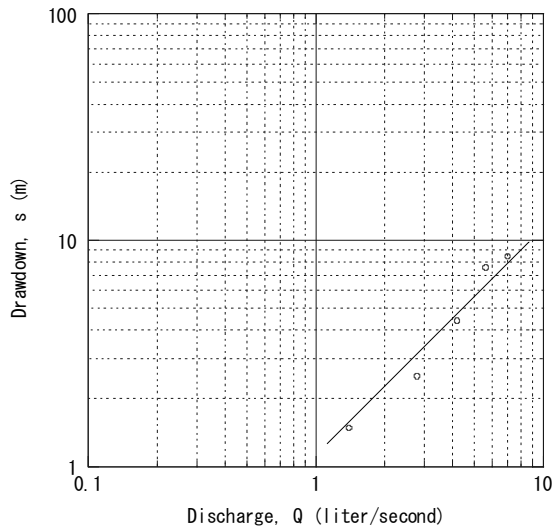
**Adi Keyih No. 13**  
Step-Drawdown Test



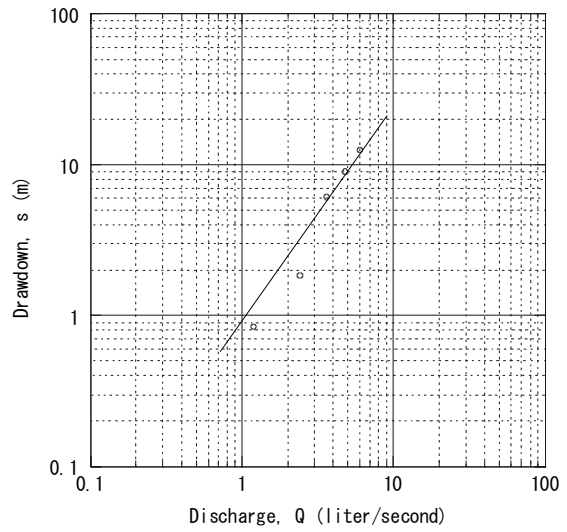
**Adi Keyih No. 14**  
Step-Drawdown Test



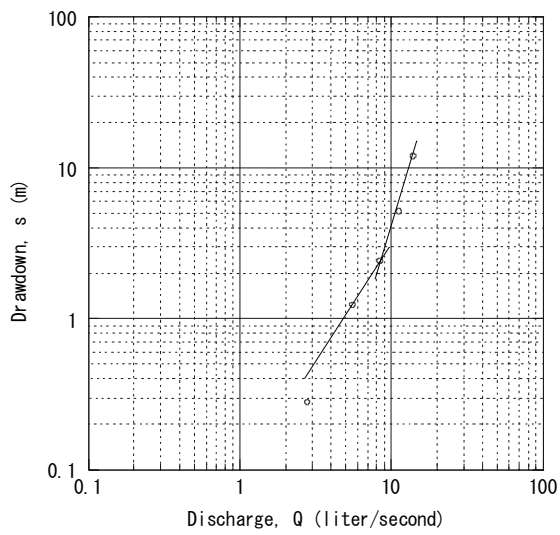
**Adi Keyih No. 15**  
Step-Drawdown Test



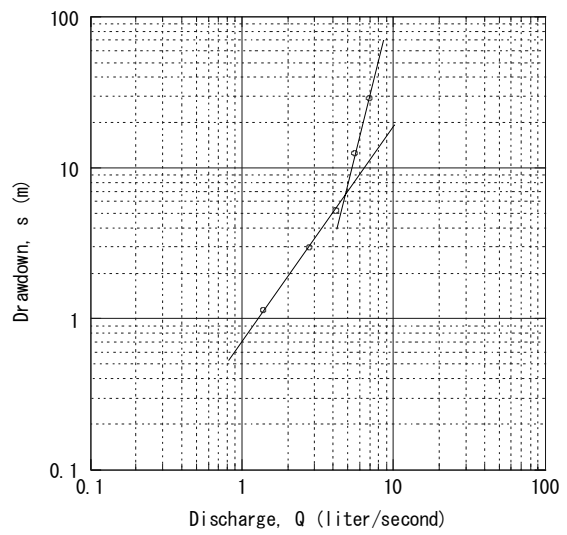
**Adi Keyih No. 16**  
**Step-Drawdown Test**



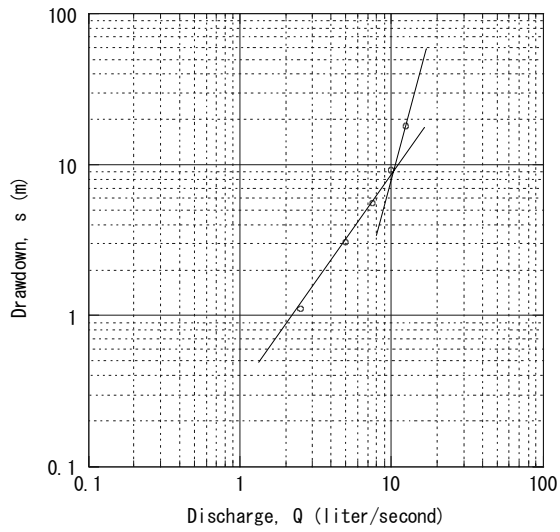
**Adi Keyih No. 17**  
**Step-Drawdown Test**



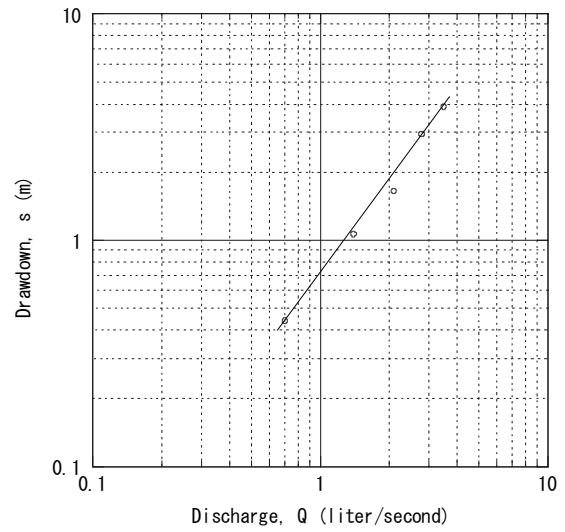
**Adi Keyih No. 18**  
**Step-Drawdown Test**



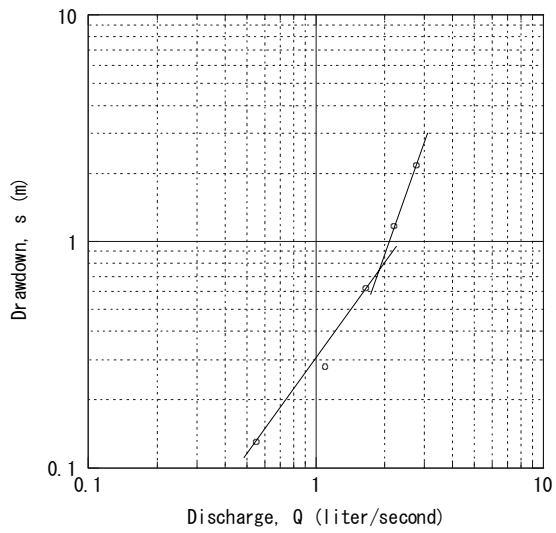
**Adi Keyih No. 19**  
**Step-Drawdown Test**



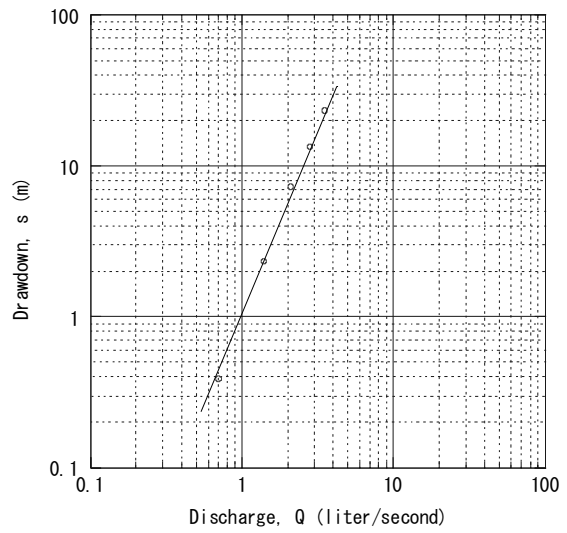
**Adi Keyih No. 20  
Step-Drawdown Test**



**Adi Keyih BH3 (Existing)  
Step-Drawdown Test**

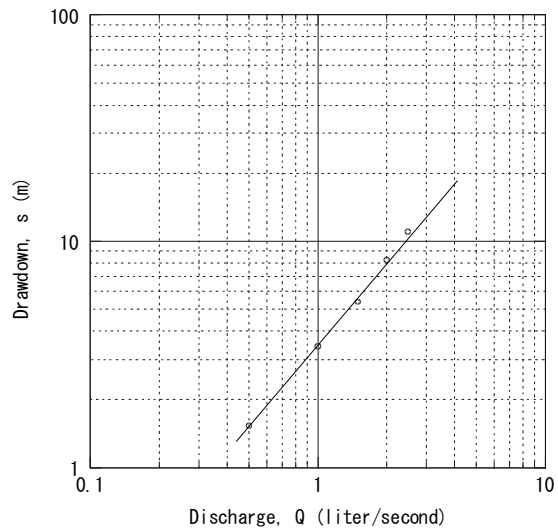


**Adi Keyih BH7 (Existing)  
Step-Drawdown Test**

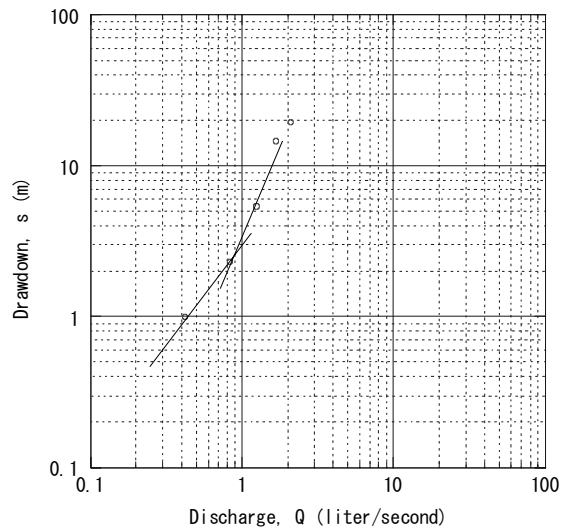


**Adi Keyih AD12 (Existing)  
Step-Drawdown Test**

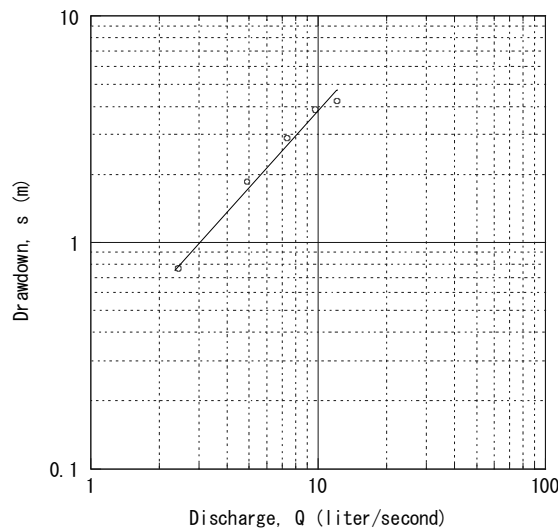
Analysis Result (Dry Season)



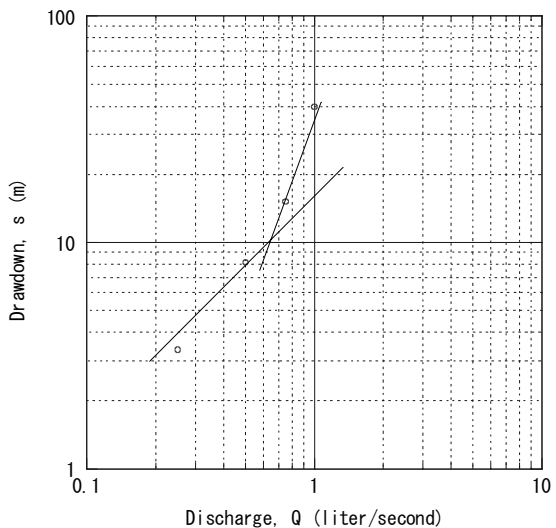
**Debarwa 11-2**  
Step-Drawdown Test in Dry Season



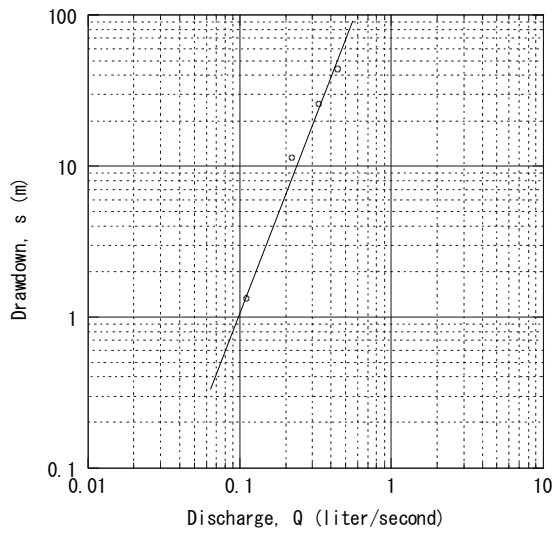
**Debarwa BH12 (Existing)**  
Step-Drawdown Test in Dry Season



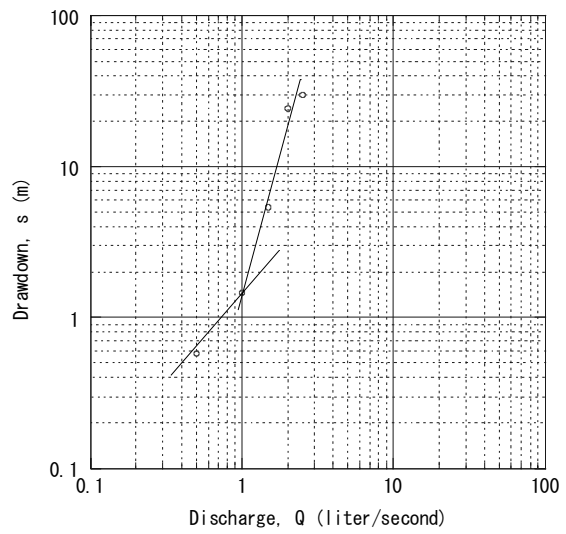
**Dekemhare No. 5**  
Step-Drawdown Test in Dry Season



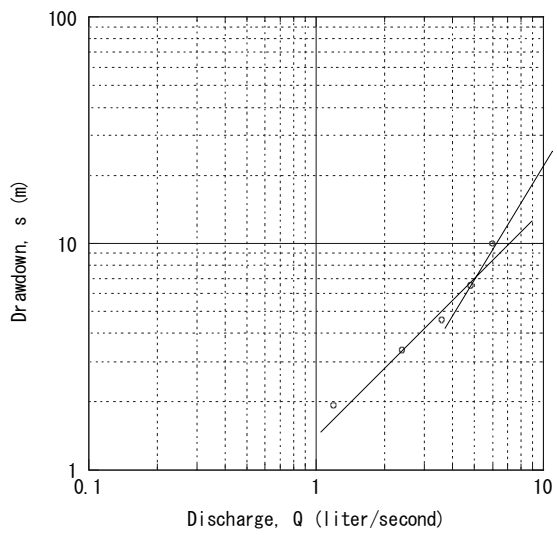
**May-dima No.1**  
Step-Drawdown Test in Dry Season



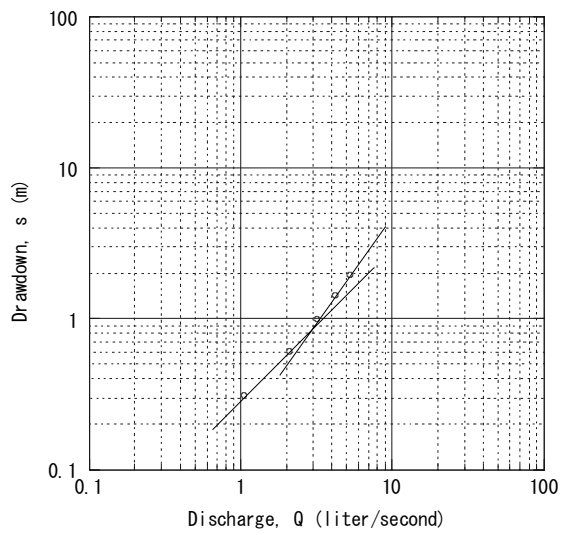
**May-dima No. 7**  
Step-Drawdown Test in Dry Season



**May-dima Existing PW-2**  
Step-Drawdown Test in Dry Season

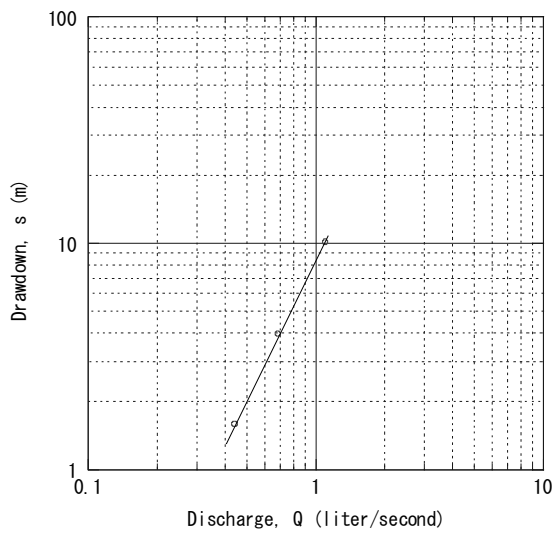


**Adi Keyih No. 16**  
Step-Drawdown Test in Dry Season

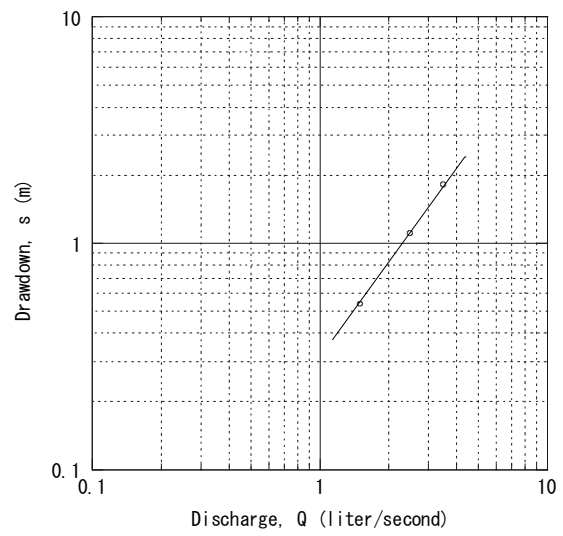


**Adi Keyih No. 18**  
Step-Drawdown Test in Dry Season

### Analysis Result (Existing Pumping Test by Other Donors)



**May-dima PW-1 (Existing)  
Step-Drawdown Test**



**Adi Keyih Hawatsu (Existing)  
Step-Drawdown Test**