**ANNEX A**

**Lists of Water Quality Monitoring Stations and Coordinates/Maps in the Manila Bay Region**

As of 2nd Quarter 2013

1. **REGION 3 – 34 sampling stations**
2. **Talisay River** (3 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.651889 | 120.536192 | Talisay Bridge, Brgy. Ala-uli, Balanga, Bataan |
| 2 | 14.676719 | 120.544644 | Camacho Bridge, Poblacion, Balanga, Bataan |
| 3 | 14.690314 | 120.558989 | Near Banso residence, Brgy. Tortugas, Balanga, Bataan |

1. **Angat River** (4 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.901158 | 120.772183 | Labangan Bridge, Iba Estate, Calumpit, Pampanga |
| 2 | 14.903717 | 120.821244 | Expressway Bridge, Pulilan, Pampanga |
| 3 | 14.891514 | 120.866844 | Pul-Pla Bridge, Poblacion, Plaridel, Bulacan |
| 4 | 14.956397 | 120.907756 | Bal-Bustos Bridge, Bustos, Bulacan |

1. **Sta. Maria River** (3 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.817653 | 120.949364 | Sta. Clara Bridge, Sta Maria Bypass road, Bulacan |
| 2 | 14.826487 | 120.988578 | Catmon Bridge, Brgy. Catmon Sta. Maria, Bulacan |
| 3 | 14.817314 | 120.958628 | Poblacion Bridge, Sta. Maria Bulacan |

1. **Obando River** (3 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.731625 | 120.931294 | Polo Bridge, Wawang Pulo, Obando, Bulacan |
| 2 | 14.709364 | 120.946597 | Municipal Fishport near P. Market, Poblacion, Obando |
| 3 | 14.746714 | 120.910617 | Tawiran Bridge, Brgy. Tawiran, Obando, Bulacan |

**5. Marilao River** (5 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.771083 | 120.958769 | Expressway Bridge, Brgy. Patubig, Marilao. Bulacan |
| 2 | 14.75435 | 120.951011 | Ibayo Bridge, Marilao, Bulacan |
| 3 | 14.760644 | 120.949747 | Mc Arthur Bridge near Marilao Public Market |
| 4 | 14.781331 | 120.997867 | Prenza Dam, upstream of Marilao River |
| 5 | 14.779431 | 121.02717 | Marilao-Caloocan (DECA Homes) |

1. **Bocaue River** (3 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.810347 | 120.937194 | Expressway Bridge,Brgy. Tambubong, Bocaue, Bulacan |
| 2 | 14.795769 | 120.927536 | Bridge near Public Market, Poblacion, Bocaue, Bulacan |
| 3 | 14.805253 | 120.926933 | Mc Arthur Bridge,Poblacion, Bucaue, Bulacan |

1. **Meycauayan River** (5 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.739206 | 120.976292 | Expressway Bridge, Brgy. Langka, Meycauayan, Bulacan |
| 2 | 14.730028 | 120.965119 | Viente Reales Bridge, Meycauayan, Bulacan |
| 3 | 14.73075 | 120.961339 | Mc Arthur Bridge, Brgy. Banga, Meycauayan, Bulacan |
| 4 | 14.736142 | 120.958150 | Meymart Bridge,Poblacion, Meycauayan, Bulacan |
| 5 | 14.758217 | 120.989964 | Perez Taas Bridge, Brgy. Perez, Meycauayan, Bulacan |

1. **Pampanga River** (5 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.954264 | 120.772317 | Expressway Bridge, Apalit, Pampanga |
| 2 | 14.934642 | 120.759028 | Sulipan Bridge, Calumpit, Bulacan |
| 3 | 14.917542 | 120.746925 | Calumpit Bridge, Calumpit, Bulacan |

1. **Guagua River** (3 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.985633 | 120.650947 | San Pablo Bridge near Brgy. Hall, Brgy. San Miguel |
| 2 | 14.985633 | 120.650947 | San Pablo Bridge near Brgy. Hall (Pasak River) |
| 3 | 14.974753 | 120.643322 | Plaza Burgos Bridge nearGNC (Pasak River) |

1. **NCR – 26 sampling stations**
2. **Parañaque River** (10 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.53192 | 121.0039 | Tramo Bridge,Brgy. 186 Zone 19, Pasay City |
| 2 | 14.4947 | 121.0022 | Multinational, Sto. Niño, Parañaque City |
| 3 | 14.5272 | 120.9941 | MIA Road, Airport Road Bridge, Baclaran, Parañaque City |
| 4 | 14.4951 | 120.9941 | Global, San Dionisio, Parañaque City |
| 5 | 14.50785 | 120.998694 | Sto Niño, Ninoy Aquino Bridge, Sto. Niño, Parañaque City |
| 6 | 14.5018 | 120.9926 | La Huerta, Quirino Ave. Bridge, La Huerta, Parañaque City |
| 7 | 14.5621 | 121.0110 | Narra creek, Don Chino Roces Ave., San Antonio, Makati |
| 8 | 14.5321 | 121.0067 | Dilain Creek, C. Jose St., Brgy. 178 Zone 19, Pasay City |
| 9 | 14.4921 | 120.9923 | AMVEL Bridge, Nonoy Aquino Ave., San Dionisio, P’que |
| 10 | 14.4999 | 121.0088 | Ibayo Creek, Multinational Village, Sto. Niño, P’que City |

1. **Navotas-Malabon-Tullahan-Tenejeros (NMTT) River System** (9 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.7063 | 121.0666 | Fairview, Tullahan Bridge, Commonwealth Ave., N. F’view |
| 2 | 14.7164 | 121.0440 | Gulod Bridge, Novaliches, Quezon City |
| 3 | 14.6862 | 121.0020 | Tullahan-Ugong Bridge Sta Quiteria Extn., Caloocan City |
| 4 | 14.67081111111111 | 120.98283888888889 | Tullahan Bridge, Mc Arthur Highway, Marulas, Valenzuela |
| 5 | 14.6711194444 | 120.9527861111 | Lambingan Bridge, Gov. Pascual Ave., Malabon City |
| 6 | 14.6481 | 120.9561 | Bangkulasi River, Navotas Bridge along C4 Road Navotas |
| 7 | 14.6501 | 120.9485 | Bangkulasi Creek, Navotas Bridge 2, Lapu- Lapu Ave. Nav. |
| 8 | 14.6526 | 120.9521 | Tañong River, Malabon-Navotas Bridge, C4 Road, Malabon |
| 9 | 14.653283333333334 | 120.95101666666667 | Longos River, C4 Road, Longos, Malabon City |

1. **Meycauayan-Valenzuela River System** (7 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.6783 | 120.9714 | Maysilo River, Maysilo Bridge, Malabon City |
| 2 | 14.7389 | 120.8992 | Meycauayan River, Meycauayan Bridge, Meycauayan, Bul. |
| 3 | 14.7094 | 120.9474 | Polo River, Polo Bridge, Km. 16 Polo, Valenzuela City |
| 4 | 14.7094 | 120.9474 | Polo Creek, Palasan Rd. C. San Juan, Polo Valenzuela City |
| 5 | 14.7163 | 120.9463 | Coloong Creek, Marcelo St. Coloong 1, Valenzuela City |
| 6 | 14.7217 | 120.9699 | Pugad Baboy Creek, St. James St. Viente Reales, Valenzuela |
| 7 | 14.7249 | 120.9751 | Canumay Creek/Ciudad Grande Bridge, Valenzuela |

1. **REGION 4A – 24 sampling stations**
2. **Imus River** (8 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.459772 | 120.922935 | Island Cove Bridge, Binakayan, Kawit, Cavite |
| 2 | 14.424028 | 120.942894 | Imus Toll Bridge, Imus, Cavite |
| 3 | 14.415408 | 120.946647 | Tanzang Luma Hanging Bridge, Imus, Cavite |
| 4 | 14.408056 | 120.942778 | Palanas Bridge, Imus, Cavite |
| 5 | 14.36175 | 120.941503 | Orchard, Imus, Cavite |
| 6 | 14.303425 | 120.966958 | DLSU-Dasmariñas Bridge, Damariñas, Cavite |
| 7 | 14.292958 | 120.838891 | Aguinaldo Bridge |
| 8 | 14.217833 | 120.976106 | Pansipit Bridge |

1. **Cañas River** (6 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.408231 | 120.846517 | Julugan Wawa Hanging Bridge |
| 2 | 14.397222 | 120.861697 | Tejero Bridge, Tanza, Cavite |
| 3 | 14.321422 | 120.857125 | Paradahan Bridge |
| 4 | 14.280205 | 120.872774 | Mag-asawang Layon Bridge |
| 5 | 14.280966 | 120.887677 | Patda Bridge |
| 6 | 14.287333 | 120.896477 | Panaysayan Bridge |

1. **Ylang-ylang River** (5 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.430594 | 120.883856 | Noveleta Bridge, Noveleta, Cavite |
| 2 | 14.410278 | 120.891667 | Bacao-Alapan Hanging Bridge, Gen. Trias, Cavite |
| 3 | 14.327278 | 120.932675 | Dasmariñas Bridge, Dasmariñas, Cavite |
| 4 | 14.291561 | 120.929111 | Ilang-Ilang Bridge, Noveleta, Cavite |
| 5 | 14.211667 | 120.954722 | Luksuhin Bridge |

1. **Rio Grande River** (5 sampling stations)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.394778 | 120.887417 | Bacao II |
| 2 | 14.390556 | 120.883944 | Dulong Bayan |
| 3 | 14.352528 | 120.882333 | Pasong Kawayan |
| 4 | 14.292139 | 120.919667 | San Fransisco |
| 5 | 14.203222 | 120.937194 | Pasong Halang |

**Sampling Stations of the Pasig River**

As of 2nd Quarter 2013

|  |  |  |  |
| --- | --- | --- | --- |
| **Sampling Stations** | **GPS Coordinates** | | **Station Identification** |
| **Latitude** | **Longitude** |
| 1 | 14.5930 | 120.9464 | Manila Bay (mouth of Pasig River) |
| 2 | 14.5955 | 120.9774 | Jones Bridge, Manila |
| 3 | 14.5954 | 121.0016 | Nagtahan Bridge, Manila |
| 4 | 14.5795 | 121.0157 | Havana Bridge, Manila |
| 5 | 14.5864 | 121.0200 | Lambingan Bridge , Manila |
| 6 | 14.5941 | 121.0260 | Sevilla Bridge, Mandaluyong |
| 7 | 14.6343 | 121.0933 | Marikina Bridge, Marikina |
| 8 | 14.5681 | 121.0459 | Guadalupe Ferry, Makati |
| 9 | 14.5675 | 121.0402 | Guadalupe Viejo, Makati |
| 10 | 14.5677 | 121.0471 | Guadalupe Nuevo, Makati |
| 11 | 14.5690 | 121.0496 | Buayang Bato, Mandaluyong |
| 12 | 14.5536 | 121.0759 | Bambang Bridge, Pasig |
| 13 | 14.5663 | 121.0735 | Vargas Bridge, Pasig |
| 14 | 14.5351 | 121.1022 | Napindan/C6, Taguig |

**Sampling Stations of the Laguna Lake Area**

As of 2nd Quarter 2013

