

Table 4.7-3(1) List of Potential Sites Identified on River System Maps in This Study (1/10)

| ID | Project Name | River System | River Name | Island | Region | Province | Municipality | Max Output [MW] | Type |
|------|---------------|----------------|------------|--------|--------|--------------|--------------|-----------------|--------------|
| A194 | Aganmala | Bacarra-Vintar | -- | Luzon | 1 | Ilocos Norte | Carasi | 2.5 | Run of River |
| A195 | Tamdagan No.1 | Bacarra-Vintar | -- | Luzon | 1 | Ilocos Norte | Vintar | 3.4 | Run of River |
| A196 | Tamdagan No.2 | Bacarra-Vintar | Boyog | Luzon | 1 | Ilocos Norte | Vintar | 2.0 | Run of River |
| A197 | Labugaon | Laoag | Cura | Luzon | 1 | Ilocos Norte | Solsona | 5.8 | Run of River |
| A198 | Salsona | Laoag | Solsona | Luzon | 1 | Ilocos Norte | Nueva Era | 2.6 | Run of River |
| A199 | Modongan No.1 | Laoag | Solsona | Luzon | 1 | Ilocos Norte | Nueva Era | 3.6 | Run of River |
| A200 | Modongan No.2 | Laoag | Solsona | Luzon | 1 | Ilocos Norte | Nueva Era | 4.7 | Run of River |

Table 4.7-3(2) List of Potential Sites Identified on River System Maps in This Study (2/10)

| ID | Project Name | River System | River Name | Island | Region | Province | Municipality | Max Output [MW] | Type |
|------|------------------|---------------------|---------------------------|--------|--------|----------|------------------|-----------------|--------------|
| A201 | Nailman No.1 | Cagayan | Cagayan | Luzon | 2 | Quirino | Maddela | 4.5 | Run of River |
| A202 | Nailman No.2 | Cagayan | Cagayan | Luzon | 2 | Quirino | Maddela | 2.6 | Run of River |
| A203 | Dabubu No.1 | Cagayan | Cagayan | Luzon | 2 | Quirino | Maddela | 1.6 | Run of River |
| A204 | Dabubu No.2 | Cagayan | Cagayan | Luzon | 2 | Quirino | Maddela | 3.7 | Run of River |
| A205 | Dibuluan No.1 | Cagayan | Dibuluan | Luzon | 3 | Aurora | Casiguran | 2.1 | Run of River |
| A206 | Dibuluan No.2 | Cagayan | Dibuluan | Luzon | 2 | Quirino | Maddela | 4.8 | Run of River |
| A207 | Dibuluan No.3 | Cagayan | Dibuluan | Luzon | 2 | Quirino | Maddela | 9.8 | Reservoir |
| A208 | Dibuluan No.4 | Cagayan | Dibuluan | Luzon | 2 | Isabela | San Agustin | 0.3 | Run of River |
| A209 | Ilagan L-1 | Cagayan | -- | Luzon | 2 | Quirino | Maddela | 2.2 | Run of River |
| A210 | Ilagan N0.1 | Cagayan | Pinacanauan De Ilagan | Luzon | 2 | Aurora | Dilasag | 3.5 | Run of River |
| A211 | Ilagan N0.2 | Cagayan | Pinacanauan De Ilagan | Luzon | 2 | Isabela | Echague | 5.7 | Run of River |
| A212 | Ilagan R-1 | Cagayan | -- | Luzon | 2 | Isabela | Dinapigue | 2.9 | Run of River |
| A213 | Ilagan N0.3 | Cagayan | Pinacanauan De Ilagan | Luzon | 2 | Isabela | San Guillermo | 23.1 | Reservoir |
| A214 | Ilagan R-2 | Cagayan | -- | Luzon | 2 | Isabela | San Guillermo | 2.1 | Run of River |
| A215 | Buyasan | Cagayan | -- | Luzon | 2 | Isabela | San Mariano | 0.8 | Run of River |
| A216 | Disabungan | Cagayan | Disabungan | Luzon | 2 | Isabela | San Mariano | 2.3 | Run of River |
| A217 | Disabungan R-1 | Cagayan | Disabungan | Luzon | 2 | Isabela | Palanan | 3.7 | Run of River |
| A218 | Catalangan No.2 | Cagayan | Disabungan | Luzon | 2 | Isabela | San Mariano | 5.1 | Reservoir |
| A219 | Maplas | Cagayan | Abuan | Luzon | 2 | Isabela | Ilagan (Capital) | 4.1 | Run of River |
| A220 | Masipi | Cagayan | Masipit Creek | Luzon | 2 | Isabela | San Pablo | 0.4 | Run of River |
| A221 | Barayon | Cagayan | -- | Luzon | 2 | Isabela | San Pablo | 0.6 | Run of River |
| A222 | Tuguegarao No.1 | Cagayan | Pinacanauan De Tuguegarao | Luzon | 2 | Cagayan | PeΔAblanca | 5.4 | Run of River |
| A223 | Tuguegarao No.2 | Cagayan | Pinacanauan De Tuguegarao | Luzon | 2 | Cagayan | PeΔAblanca | 3.4 | Run of River |
| A224 | Natulud No.1 | Cagayan | Natulud Creek | Luzon | 2 | Cagayan | PeΔAblanca | 2.4 | Run of River |
| A225 | Natulud No.2 | Cagayan | Natulud Creek | Luzon | 2 | Cagayan | PeΔAblanca | 3.2 | Run of River |
| A226 | Pered No.1 | Cagayan | Pared | Luzon | 2 | Cagayan | PeΔAblanca | 3.2 | Run of River |
| A227 | Pered No.2 | Cagayan | Pared | Luzon | 2 | Cagayan | PeΔAblanca | 1.4 | Run of River |
| A228 | Pered No.3 | Cagayan | -- | Luzon | 2 | Cagayan | Baggao | 2.1 | Reservoir |
| A229 | Immurong | Cagayan | Immurong | Luzon | 2 | Cagayan | Baggao | 1.0 | Run of River |
| A230 | Paranan-L | Cagayan | Paranan | Luzon | 2 | Cagayan | Baggao | 0.5 | Run of River |
| A231 | Paranan | Cagayan | Paranan | Luzon | 2 | Cagayan | Baggao | 0.5 | Run of River |
| A232 | Taboan No.1 | Taboan | Taboan | Luzon | 2 | Cagayan | Baggao | 2.4 | Run of River |
| A233 | Taboan - R | Taboan | -- | Luzon | 2 | Cagayan | Baggao | 0.7 | Run of River |
| A234 | Twin Peaks | Taboan | -- | Luzon | 2 | Cagayan | Baggao | 2.9 | Run of River |
| A235 | Taboan No.2 | Taboan | Taboan | Luzon | 2 | Cagayan | Baggao | 1.4 | Reservoir |
| A236 | Hang | Ilang | Ilang | Luzon | 2 | Cagayan | PeΔAblanca | 1.6 | Run of River |
| A237 | Lobod | Lobod | Lobod | Luzon | 2 | Cagayan | PeΔAblanca | 0.2 | Run of River |
| A238 | Dikatayan | Dikatayan | Dikatayan | Luzon | 2 | Isabela | San Pablo | 5.1 | Reservoir |
| A239 | Dilaanadanom | Dilaanadanom | Dilaanadanom | Luzon | 2 | Isabela | Ilagan (Capital) | 1.3 | Run of River |
| A240 | Pinacanauan No.1 | Palanan-Pinacanauan | Palanan | Luzon | 2 | Isabela | Dinapigue | 2.6 | Run of River |
| A241 | Pinacanauan No.2 | Palanan-Pinacanauan | -- | Luzon | 2 | Isabela | San Mariano | 0.5 | Run of River |
| A242 | Palanan No.1 | Palanan-Pinacanauan | -- | Luzon | 2 | Isabela | Palanan | 4.1 | Run of River |
| A243 | Palanan No.2 | Palanan-Pinacanauan | -- | Luzon | 2 | Isabela | Palanan | 1.5 | Run of River |
| A244 | Palanan No.3 | Palanan-Pinacanauan | Palanan | Luzon | 2 | Isabela | Palanan | 9.6 | Reservoir |
| A245 | Palanan No.4 | Palanan-Pinacanauan | Palanan | Luzon | 2 | Isabela | Palanan | 0.5 | Run of River |
| A246 | Palanan - L | Palanan-Pinacanauan | -- | Luzon | 2 | Isabela | Palanan | 1.3 | Run of River |
| A247 | Dibenbinan | Palanan-Pinacanauan | Dibenbinan | Luzon | 2 | Isabela | Ilagan (Capital) | 0.7 | Run of River |
| A248 | Dimatatno No.1 | Dimatano | Dimatano | Luzon | 2 | Isabela | Dinapigue | 4.6 | Run of River |
| A249 | Dimatatno No.2 | Dimatano | Dimatano | Luzon | 2 | Isabela | Dinapigue | 4.9 | Run of River |
| A250 | Dinapigue | Dinapigue | -- | Luzon | 2 | Isabela | Dinapigue | 0.9 | Run of River |
| A251 | Amro | Casiguran | -- | Luzon | 3 | Aurora | Dilasag | 0.5 | Run of River |
| A252 | Dilalongan | Dilalongan | Dilalongan | Luzon | 3 | Aurora | Dinalungan | 0.4 | Run of River |

Table 4.7-3(3) List of Potential Sites Identified on River System Maps in This Study (3/10)

| ID | Project Name | River System | River Name | Island | Region | Province | Municipality | Max Output [MW] | Type |
|------|-----------------|-------------------|----------------------------|---------|--------|--------------------|-----------------------|-----------------|--------------|
| A009 | Sinambalan No.1 | Mamburao | Mamburao/Sinambalan | Mindoro | 04B | Occidental Mindoro | Abra De Ilog | 3.0 | Run of River |
| A010 | Sinambalan No.2 | Mamburao | Mamburao/Sinambalan | Mindoro | 04B | Occidental Mindoro | Mamburao (Capital) | 2.6 | Reservoir |
| A011 | Alitangan | Pagbahan | Alitangan | Mindoro | 04B | Occidental Mindoro | Santa Cruz | 4.1 | Run of River |
| A012 | Pagbahan No.1 | Pagbahan | Pagbahan | Mindoro | 04B | Occidental Mindoro | Santa Cruz | 5.7 | Run of River |
| A013 | Pagbahan No.2 | Pagbahan | Pagbahan | Mindoro | 04B | Oriental Mindoro | Puerto Galera | 11.1 | Reservoir |
| A014 | Salagan | Salagan | Salagan | Mindoro | 04B | Occidental Mindoro | Santa Cruz | 3.8 | Run of River |
| A015 | Amnay | Amnay | Amnay | Mindoro | 04B | Occidental Mindoro | Sablayan | 4.3 | Run of River |
| A016 | Ulango | Amnay | Ulango | Mindoro | 04B | Occidental Mindoro | Sablayan | 2.8 | Run of River |
| A017 | Patrick No.1 | Ibod | Catherine | Mindoro | 04B | Occidental Mindoro | Sablayan | 4.3 | Run of River |
| A018 | Patrick No.2 | Ibod | Bagong Sabang/Ibod/Patrick | Mindoro | 04B | Occidental Mindoro | Sablayan | 13.9 | Reservoir |
| A019 | Patrick No.3 | Ibod | Bagong Sabang/Ibod/Patrick | Mindoro | 04B | Occidental Mindoro | Sablayan | 4.6 | Run of River |
| A020 | Mongpong No.1 | Mongpong | Mongpong | Mindoro | 04B | Occidental Mindoro | Sablayan | 1.3 | Run of River |
| A021 | Mongpong No.2 | Mongpong | Mongpong | Mindoro | 04B | Occidental Mindoro | Sablayan | 1.5 | Run of River |
| A022 | Balangon No.1 | Mongpong | Lumintao | Mindoro | 04B | Occidental Mindoro | Sablayan | 2.6 | Run of River |
| A023 | Balangon No.2 | Mongpong | Monpong | Mindoro | 04B | Occidental Mindoro | Sablayan | 1.9 | Run of River |
| A024 | Balangan No.3 | Mongpong | Monpong | Mindoro | 04B | Occidental Mindoro | Sablayan | 2.7 | Run of River |
| A025 | Anahawin | Anahawin | Anahawin | Mindoro | 04B | Occidental Mindoro | Sablayan | 1.3 | Run of River |
| A026 | Lumintao No.1 | Lumintao | Lumintao | Mindoro | 04B | Occidental Mindoro | Sablayan | 4.4 | Run of River |
| A027 | Lumintao No.2 | Lumintao | Lumintao | Mindoro | 04B | Occidental Mindoro | Sablayan | 5.7 | Run of River |
| A028 | Lumintao No.3 | Lumintao | Lumintao | Mindoro | 04B | Occidental Mindoro | Sablayan | 4.5 | Run of River |
| A029 | Balanaan No.1 | Magbando | Magbando/Busuanga / Balang | Mindoro | 04B | Oriental Mindoro | Mansalay | 2.9 | Run of River |
| A030 | Balanaan No.2 | Magbando | Magbando/Busuanga / Balang | Mindoro | 04B | Occidental Mindoro | Sablayan | 4.3 | Run of River |
| A031 | Bugsanga No.1 | Magbando | Balangan/Bugsanga | Mindoro | 04B | Occidental Mindoro | Sablayan | 2.4 | Run of River |
| A032 | Bugsanga No.2 | Magbando | Magbando/Busuanga / Balang | Mindoro | 04B | Occidental Mindoro | Calintaan | 7.1 | Reservoir |
| A033 | Cagaray | Cagaray | Cagaray | Mindoro | 04B | Oriental Mindoro | Bulalacao (San Pedro) | 9.0 | Reservoir |
| A034 | Catuiran No.1 | Pulang Tubig | Santa Cruz | Mindoro | 04B | Oriental Mindoro | Santa Cruz | 6.0 | Run of River |
| A035 | Tinangi-on | Mag Asawang Tubig | Tinangi-An/Welch | Mindoro | 04B | Occidental Mindoro | Sablayan | 3.4 | Run of River |
| A036 | Ibato | Mag Asawang Tubig | Ibalo/Alagay | Mindoro | 04B | Occidental Mindoro | Sablayan | 2.2 | Run of River |
| A037 | Aglubang No.1 | Mag Asawang Tubig | Mag Asawang Tubig/Aglubang | Mindoro | 04B | Occidental Mindoro | Sablayan | 1.8 | Run of River |
| A038 | Aglubang No.2 | Mag Asawang Tubig | Mag Asawang Tubig/Aglubang | Mindoro | 04B | Occidental Mindoro | Sablayan | 2.9 | Run of River |
| A039 | Pula | Pula | Pula/Casiligan | Mindoro | 04B | Oriental Mindoro | Socorro | 1.0 | Run of River |
| A040 | Balete | Balete | Balete | Mindoro | 04B | Oriental Mindoro | Gloria | 1.3 | Run of River |
| A041 | Bongabong No.1 | Bongabong | Bongabon | Mindoro | 04B | Occidental Mindoro | Sablayan | 6.8 | Run of River |
| A042 | Bongabong No.2 | Bongabong | Bongabong/Rosanna/Acliang | Mindoro | 04B | Oriental Mindoro | Bansud | 6.1 | Run of River |
| A043 | Siange | Bongabong | Siange /Caman Creek | Mindoro | 04B | Oriental Mindoro | Bongabong | 1.0 | Run of River |
| A044 | Wasig | Baroc | Baroc | Mindoro | 04B | Oriental Mindoro | Roxas | 2.1 | Reservoir |

Table 4.7-3(4) List of Potential Sites Identified on River System Maps in This Study (4/10)

| ID | Project Name | River System | River Name | Island | Region | Province | Municipality | Max Output [MW] | Type |
|------|---------------|--------------|---------------|------------|--------|------------|-------------------|-----------------|--------------|
| A167 | Boac No.1 | Boac | Boac | Marinduque | 04B | Marinduque | Boac (Capital) | 1.7 | Run of River |
| A168 | Boac No.2 | Boac | Boac | Marinduque | 04B | Marinduque | Boac (Capital) | 3.6 | Reservoir |
| A169 | Makulapnit | Boac | Makulapnit | Marinduque | 04B | Marinduque | Boac (Capital) | 0.8 | Run of River |
| A170 | Dawis | Bunganay | Bunganay | Marinduque | 04B | Marinduque | Boac (Capital) | 0.2 | Run of River |
| A171 | Libtangan | Dawis | Dawis | Marinduque | 04B | Marinduque | Gasán | 0.2 | Run of River |
| A172 | Catangan | Caiganan | --- | Marinduque | 04B | Marinduque | Gasán | 0.3 | Run of River |
| A173 | Sabang | Sabang | Sabang | Marinduque | 04B | Marinduque | Buenavista | 0.3 | Run of River |
| A174 | Jolo | Tagum | Tagum/Tawiran | Marinduque | 04B | Marinduque | Santa Cruz | 0.4 | Run of River |
| A175 | Tawiran | Boac | Tawiran | Marinduque | 04B | Marinduque | Santa Cruz | 0.4 | Run of River |
| A176 | Cabuyo | Cabuyo | Cabuyo | Marinduque | 04B | Marinduque | Torrijos | 0.3 | Run of River |
| A177 | Agpanabat | Agpanabat | Agpanabat | Ronblon | 04B | Romblon | Romblon (Capital) | 0.0 | Run of River |
| A178 | Sablayan | Sablayan | Sablayan | Ronblon | 04B | Romblon | Romblon (Capital) | 0.2 | Run of River |
| A179 | Porpagoja | Pagpagoja | Pagpagoja | Ronblon | 04B | Romblon | San Andres | 0.9 | Run of River |
| A180 | Libertad | Libertad | Libertad | Ronblon | 04B | Romblon | Odiangan | 0.1 | Run of River |
| A181 | Gabauan | Libertad | Libertad | Ronblon | 04B | Romblon | Odiangan | 0.3 | Run of River |
| A182 | Sicop | Bagon | Cogon | Ronblon | 04B | Romblon | Alcantara | 0.2 | Run of River |
| A183 | Carolina | Carolina | Carolina | Ronblon | 04B | Romblon | Alcantara | 0.2 | Run of River |
| A184 | Pawala | Pato-O | Pawala | Ronblon | 04B | Romblon | Magdiwang | 0.5 | Run of River |
| A185 | Punog | Punog | Punog | Ronblon | 04B | Romblon | San Fernando | 0.4 | Run of River |
| A186 | Olango | Olango | Olango | Ronblon | 04B | Romblon | San Fernando | 0.2 | Run of River |
| A187 | Binaya-an | Binaya-An | Binaya-An | Ronblon | 04B | Romblon | San Fernando | 0.3 | Run of River |
| A188 | Catingas No.1 | Catingas | Catingas | Ronblon | 04B | Romblon | Cajidiocan | 1.1 | Run of River |
| A189 | Catingas No.2 | Catingas | Catingas | Ronblon | 04B | Romblon | San Fernando | 0.9 | Run of River |
| A190 | Catingas No.3 | Catingas | Catingas | Ronblon | 04B | Romblon | San Fernando | 2.0 | Run of River |
| A191 | Cambaiao | Canloay | Canloay | Ronblon | 04B | Romblon | Cajidiocan | 0.2 | Run of River |
| A192 | Lumbang | Lumbang | Lumbang | Ronblon | 04B | Romblon | Cajidiocan | 0.3 | Run of River |
| A193 | Agbalit | Cambajao | Cambajao | Ronblon | 04B | Romblon | Cajidiocan | 0.3 | Run of River |

Table 4.7-3(5) List of Potential Sites Identified on River System Maps in This Study (5/10)

| ID | Project Name | River System | River Name | Island | Region | Province | Municipality | Max Output [MW] | Type |
|------|--------------|--------------|------------|---------|--------|----------|--------------|-----------------|--------------|
| A007 | Manolib | Lanang | Lanang | Masbate | 5 | Masbate | Milagros | 0.2 | Run of River |
| A008 | Banadero | Banadero | Banadero | Masbate | 5 | Masbate | Mobo | 0.4 | Run of River |

Table 4.7-3(6) List of Potential Sites Identified on River System Maps in This Study (6/10)

| ID | Project Name | River System | River Name | Island | Region | Province | Municipality | Max Output [MW] | Type |
|---|--------------|--------------|------------|--------|--------|----------|--------------|-----------------|------|
| No potential site is identified in this study | | | | | | | | | |

Table 4.7-3(7) List of Potential Sites Identified on River System Maps in This Study (7/10)

| ID | Project Name | River System | River Name | Island | Region | Province | Municipality | Max Output [MW] | Type |
|------|-----------------|--------------|---------------|--------|--------|----------|--------------|-----------------|--------------|
| A127 | Aclan No.2 | Aklan | Aklan | Panay | 6 | Aklan | Libacao | 5.7 | Run of River |
| A128 | Timbaban No.1 | Aklan | Tingbaban | Panay | 6 | Aklan | Madalag | 2.6 | Run of River |
| A129 | Ibajay No.1 | Ibajay | Ibajay | Panay | 6 | Aklan | Malinao | 1.9 | Run of River |
| A130 | Ibajay No.2 | Ibajay | Ibajay | Panay | 6 | Aklan | Ibajay | 3.0 | Reservoir |
| A131 | Dugayan | Ibajay | --- | Panay | 6 | Antique | Pandan | 1.4 | Run of River |
| A132 | Bulanao No.1 | Bulanao | Bulanao | Panay | 6 | Antique | Libertad | 1.3 | Run of River |
| A133 | Bulanao No.2 | Bulanao | Bulanao | Panay | 6 | Antique | Libertad | 0.7 | Run of River |
| A134 | San Roque | San Roque | San Roque | Panay | 6 | Antique | Pandan | 0.7 | Run of River |
| A135 | Ipayo | Ipayo | Ipayo | Panay | 6 | Antique | Sebaste | 0.2 | Run of River |
| A136 | Bacalan | Bacalan | Bacalan | Panay | 6 | Antique | Sebaste | 0.6 | Run of River |
| A137 | Panganta | Panganta | Panganta | Panay | 6 | Antique | Culasi | 0.4 | Run of River |
| A138 | Bacong | Bacong | Bacong | Panay | 6 | Antique | Culasi | 0.9 | Run of River |
| A139 | Tibiao No.2 | Tibiao | Tibiao | Panay | 6 | Antique | Tibiao | 1.9 | Run of River |
| A140 | Dalanas No.1 | Dalanas | Dalanas | Panay | 6 | Antique | Barbaza | 4.4 | Run of River |
| A141 | Cairauan | Cairauan | Cairauan | Panay | 6 | Antique | Laua-An | 2.9 | Run of River |
| A142 | Paliwan No.2 | Paliwan | Paliwan | Panay | 6 | Antique | Bugasong | 2.5 | Run of River |
| A143 | Paliwan No.3 | Paliwan | Paliwan | Panay | 6 | Antique | Bugasong | 1.9 | Run of River |
| A144 | Cadian | Cangaranan | Cadian | Panay | 6 | Antique | Valderrama | 2.7 | Run of River |
| A145 | Cangaranan No.1 | Cangaranan | Cangaranan | Panay | 6 | Antique | Valderrama | 1.5 | Run of River |
| A146 | Cangaranan No.2 | Cangaranan | Cangaranan | Panay | 6 | Antique | Valderrama | 1.5 | Run of River |
| A147 | Cangaranan No.3 | Cangaranan | Cangaranan | Panay | 6 | Antique | Valderrama | 4.8 | Run of River |
| A148 | Cangaranan No.4 | Cangaranan | Cangaranan | Panay | 6 | Antique | Valderrama | 0.9 | Run of River |
| A149 | Ipayo | Ipayo | Ipayo | Panay | 6 | Antique | Patnongon | 0.6 | Run of River |
| A150 | Maninila | Sibalom-West | Maninila | Panay | 6 | Antique | San Remigio | 1.8 | Run of River |
| A151 | Inyaman | Sibalom-West | Inyaman Brook | Panay | 6 | Antique | San Remigio | 0.8 | Run of River |
| A152 | Banayan | Sibalom-West | Banayan | Panay | 6 | Antique | San Remigio | 0.9 | Run of River |
| A153 | Maoll | Sibalom-West | Maoit | Panay | 6 | Antique | Sibalom | 0.6 | Run of River |
| A154 | Tipuluan | Sibalom-West | Tipuluan | Panay | 6 | Antique | Sibalom | 0.7 | Run of River |
| A155 | Tiolas | Swaragan | Swaragan | Panay | 6 | Iloilo | San Joaquin | 0.3 | Run of River |
| A156 | Siuragan | Tiolas | Tiolas | Panay | 6 | Iloilo | San Joaquin | 0.8 | Run of River |
| A157 | Sibalom | Sibalom | Sibalom | Panay | 6 | Iloilo | Leon | 1.3 | Run of River |
| A158 | Aganan | Jaro | Aganan | Panay | 6 | Iloilo | Alimodian | 2.5 | Run of River |
| A159 | Mambusao | Panay | Mambusao | Panay | 6 | Capiz | Jamindan | 0.5 | Run of River |
| A160 | Panay No.1 | Panay | Panay | Panay | 6 | Capiz | Tapaz | 4.8 | Run of River |
| A161 | Pacuan No.1 | Jalaud | Jalaud | Panay | 6 | Iloilo | Lambunao | 1.4 | Run of River |
| A162 | Pacuan No.2 | Jalaud | Jalaud | Panay | 6 | Iloilo | Lambunao | 0.1 | Run of River |
| A163 | Pacuan No.3 | Jalaud | Jalaud | Panay | 6 | Iloilo | Lambunao | 1.4 | Run of River |
| A164 | Ulian No.1 | Jalaud | Jagdong | Panay | 6 | Iloilo | Lambunao | 0.8 | Run of River |
| A165 | Ulian No.2 | Jalaud | Jagdong | Panay | 6 | Iloilo | Lambunao | 1.4 | Run of River |
| A166 | Suage | Jalaud | Suage | Panay | 6 | Iloilo | Janiuay | 1.6 | Run of River |

Table 4.7-3(8) List of Potential Sites Identified on River System Maps in This Study (8/10)

| ID | Project Name | River System | River Name | Island | Region | Province | Municipality | Max Output [MW] | Type |
|------|-----------------|-----------------|-----------------|--------|--------|-------------------|---------------------------|-----------------|--------------|
| A045 | Sicaba No.1 | Sicaba | Sicaba | Negros | 6 | Negros Occidental | Cadiz City | 0.8 | Run of River |
| A046 | Sicaba No.2 | Sicaba | Sicaba | Negros | 6 | Negros Occidental | Cadiz City | 0.7 | Run of River |
| A047 | Bago No.1 | Bago | Bago | Negros | 6 | Negros Occidental | Salvador Benedicto | 1.3 | Run of River |
| A048 | Bago No.2 | Bago | Bago | Negros | 6 | Negros Occidental | San Carlos City | 7.1 | Run of River |
| A049 | Lum atang | Bago | -- | Negros | 6 | Negros Occidental | Salvador Benedicto | 1.3 | Run of River |
| A050 | Bago No.3 | Bago | Bago | Negros | 6 | Negros Occidental | Murcia | 11.0 | Reservoir |
| A051 | Mangorggong | Bago | Maao | Negros | 6 | Negros Occidental | Murcia | 0.4 | Run of River |
| A052 | Binalbagan No.1 | Binalbagan | Binalbagan | Negros | 7 | Negros Oriental | Canlaon City | 12.6 | Reservoir |
| A053 | Binalbagan No.2 | Binalbagan | Binalbagan | Negros | 7 | Negros Oriental | Canlaon City | 4.5 | Run of River |
| A054 | Binalbagan No.3 | Binalbagan | Binalbagan | Negros | 6 | Negros Occidental | Moises Padilla (Magallon) | 3.6 | Run of River |
| A055 | Sacop | Binalbagan | Panakiao | Negros | 6 | Negros Occidental | Isabela | 0.5 | Run of River |
| A056 | Lag-It No.1 | Binalbagan | Lag-It Creek | Negros | 6 | Negros Occidental | Binalbagan | 1.4 | Run of River |
| A057 | Lag-It No.2 | Binalbagan | Lag-It Creek | Negros | 6 | Negros Occidental | Binalbagan | 2.0 | Run of River |
| A058 | Pangiplan | Binalbagan | Pangiban | Negros | 6 | Negros Occidental | City Of Himamaylan | 1.3 | Run of River |
| A059 | Suay | Suay | Suay | Negros | 6 | Negros Occidental | City Of Himamaylan | 0.6 | Run of River |
| A060 | Hilabangan No.1 | Ilog-Hilabangan | Hilabangan | Negros | 7 | Negros Oriental | Ayungon | 2.3 | Run of River |
| A061 | Hilabangan No.3 | Ilog-Hilabangan | Hilabangan | Negros | 6 | Negros Occidental | City Of Kabankalan | 3.8 | Run of River |
| A062 | Ilog | Ilog-Hilabangan | Ilog | Negros | 7 | Negros Oriental | Mabinay | 25.4 | Reservoir |
| A063 | Calatong No.1 | Sipalay | Calatong | Negros | 6 | Negros Occidental | City Of Sipalay | 1.4 | Run of River |
| A064 | Calatong No.2 | Sipalay | Calatong | Negros | 6 | Negros Occidental | City Of Sipalay | 1.8 | Run of River |
| A065 | Binulug | Sipalay | Binulug Creek | Negros | 6 | Negros Occidental | Candoni | 3.4 | Run of River |
| A066 | Tyabanan | Tyabanan | Tyabanan | Negros | 6 | Negros Oriental | Basay | 3.6 | Reservoir |
| A067 | Pangatban | Pangatban | Pangatban | Negros | 7 | Negros Oriental | City Of Bayawan (Tulong) | 8.1 | Reservoir |
| A068 | Bayawan | Bayawan | Bayawan | Negros | 7 | Negros Oriental | City Of Bayawan (Tulong) | 5.6 | Reservoir |
| A069 | Mona-ol | Bayawan | -- | Negros | 7 | Negros Oriental | City Of Bayawan (Tulong) | 0.9 | Run of River |
| A070 | Sicopong No.2 | Sicopong | Sicopong | Negros | 7 | Negros Oriental | Santa Catalina | 3.6 | Reservoir |
| A071 | Cautitan | Cautitan | Cautitan | Negros | 7 | Negros Oriental | Santa Catalina | 1.4 | Run of River |
| A072 | Canauay | Canauay | Canauay | Negros | 7 | Negros Oriental | Zamboanguita | 0.6 | Run of River |
| A073 | Guinsuan | Bangcolotan | Bangcolotan | Negros | 7 | Negros Oriental | Zamboanguita | 0.4 | Run of River |
| A074 | Manara Diotay | Himogaan | Diatay / Manara | Negros | 6 | Negros Occidental | Sagay City | 0.6 | Run of River |
| A075 | Himogaan | Himogaan | Himogaan | Negros | 6 | Negros Occidental | Calatrava | 2.0 | Run of River |
| A076 | Guihoingan | Guihoingan | Guihoingan | Negros | 7 | Negros Oriental | Guihulngan | 0.4 | Run of River |
| A077 | Guinobe-an No.1 | Libertad | Libertad | Negros | 7 | Negros Oriental | Guihulngan | 4.5 | Run of River |
| A078 | Pacu-an | Libertad | Pacua-An | Negros | 7 | Negros Oriental | La Libertad | 4.0 | Run of River |
| A079 | Guinobe-an No.2 | Libertad | Pacua-An | Negros | 7 | Negros Oriental | La Libertad | 3.4 | Run of River |
| A080 | San Jose | San Jose | San Jose | Negros | 7 | Negros Oriental | Jimalalud | 0.6 | Run of River |
| A081 | Talaptap | Talaptap | Talaptap | Negros | 7 | Negros Oriental | Bindoy (Payabon) | 1.2 | Run of River |
| A082 | Kandabong | Kandabong | Kandabong | Negros | 7 | Negros Oriental | Manjuyod | 0.5 | Run of River |
| A083 | Tanjay | Tanjay | Tanjay | Negros | 7 | Negros Oriental | Sibulan | 0.4 | Run of River |
| A084 | Hinotongan | Tanjay | Hinotongan | Negros | 7 | Negros Oriental | Sibulan | 0.6 | Run of River |
| A085 | Inalacan | Tanjay | Inalacan | Negros | 7 | Negros Oriental | Pamplona | 0.6 | Run of River |
| A086 | Apolong | Dumaguete | Dumaguete | Negros | 7 | Negros Oriental | Bacong | 0.4 | Run of River |

Table 4.7-3(9) List of Potential Sites Identified on River System Maps in This Study (9/10)

| ID | Project Name | River System | River Name | Island | Region | Province | Municipality | Max Output [MW] | Type |
|------|--------------|--------------|-------------|--------|--------|----------|------------------|-----------------|--------------|
| A001 | Sampelangan | Loboc | Sampelangan | Bohol | 7 | Bohol | Balilihan | 0.4 | Run of River |
| A002 | Upper Manaba | Manaba | -- | Bohol | 7 | Bohol | Garcia Hernandez | 1.0 | Run of River |
| A003 | Balite | Manaba | Manaba | Bohol | 7 | Bohol | Jagna | 1.1 | Run of River |
| A004 | Lower Manaba | Manaba | -- | Bohol | 7 | Bohol | Garcia Hernandez | 0.7 | Run of River |
| A005 | Odiang | Alihauan | -- | Bohol | 7 | Bohol | Jagna | 0.4 | Run of River |
| A006 | Alihanan | Alihauan | Alihauan | Bohol | 7 | Bohol | Duero | 0.5 | Run of River |

Table 4.7-3(10) List of Potential Sites Identified on River System Maps in This Study (10/10)

| ID | Project Name | River System | River Name | Island | Region | Province | Municipality | Max Output [MW] | Type |
|------|----------------|--------------|-----------------|--------|--------|--------------------|--------------------|-----------------|--------------|
| A087 | Bugtasan | Mano | Buctasan | Samar | 8 | Northern Samar | Victoria | 1.6 | Run of River |
| A088 | Mauo No.2 | Mano | Mano | Samar | 8 | Northern Samar | San Isidro | 1.4 | Run of River |
| A089 | Palanit No.1 | Palanit | Palanit | Samar | 8 | Northern Samar | San Isidro | 0.7 | Run of River |
| A090 | Palanit No.2 | Palanit | Palanit | Samar | 8 | Northern Samar | San Isidro | 0.3 | Run of River |
| A091 | Caglanipan | Caglanipan | Caglanipan | Samar | 8 | Northern Samar | San Isidro | 0.5 | Run of River |
| A092 | Malaga | Malaga | Malaga | Samar | 8 | Samar (Western Sar | Calbayog City | 0.7 | Run of River |
| A093 | Dawol | Jibatan | --- | Samar | 8 | Samar (Western Sar | Calbayog City | 0.2 | Run of River |
| A094 | Sigo | Jibatan | Himonini | Samar | 8 | Samar (Western Sar | Calbayog City | 0.5 | Run of River |
| A095 | Matuguinao | Gandara | --- | Samar | 8 | Samar (Western Sar | Matuguinao | 0.4 | Run of River |
| A096 | Blanca | Gandara | Gandara | Samar | 8 | Samar (Western Sar | San Jorge | 2.4 | Run of River |
| A097 | Malauog | Malauog | Malauog | Samar | 8 | Samar (Western Sar | Jiabong | 0.6 | Run of River |
| A098 | Sohoton | Basey | Basey | Samar | 8 | Samar (Western Sar | Basey | 5.4 | Run of River |
| A099 | Legaspi | Legaspi | Legaspi | Samar | 8 | Samar (Western Sar | Marabut | 1.0 | Run of River |
| A100 | Balangiga | Balangiga | Balangiga | Samar | 8 | Eastern Samar | Lawaan | 1.3 | Run of River |
| A101 | Gasdo | Catarman | Catarman | Samar | 8 | Northern Samar | Lope De Vega | 0.6 | Run of River |
| A102 | Capoto-on | Catubig | --- | Samar | 8 | Samar (Western Sar | Matuguinao | 1.6 | Run of River |
| A103 | Dolores No.1 | Dolores | Dolores | Samar | 8 | Samar (Western Sar | San Jose De Buan | 1.1 | Run of River |
| A104 | Dolores No.2 | Dolores | Dolores | Samar | 8 | Eastern Samar | Maslog | 8.1 | Reservoir |
| A105 | Dolores No.3 | Dolores | --- | Samar | 8 | Eastern Samar | Maslog | 4.5 | Run of River |
| A106 | Dolores No.4 | Dolores | --- | Samar | 8 | Eastern Samar | Maslog | 1.6 | Run of River |
| A107 | Dolores No.5 | Dolores | Dolores | Samar | 8 | Eastern Samar | Maslog | 6.8 | Run of River |
| A108 | Gicontrol No.1 | Dolores | --- | Samar | 8 | Eastern Samar | Maslog | 1.8 | Run of River |
| A109 | Gicontrol No.2 | Dolores | --- | Samar | 8 | Eastern Samar | Maslog | 2.2 | Run of River |
| A110 | Tagaoyan | Ulot | Tagaoyan | Samar | 8 | Samar (Western Sar | Paranas (Wright) | 0.3 | Run of River |
| A111 | Candacan | Ulot | Ulot / Candacan | Samar | 8 | Samar (Western Sar | Paranas (Wright) | 4.1 | Reservoir |
| A112 | Ulot | Ulot | Ulot / Candacan | Samar | 8 | Samar (Western Sar | Paranas (Wright) | 8.9 | Reservoir |
| A113 | Balagon | Ulot | --- | Samar | 8 | Samar (Western Sar | Paranas (Wright) | 8.5 | Reservoir |
| A114 | Tubig | Taft | Taft / Tubig | Samar | 8 | Eastern Samar | Taft | 7.6 | Run of River |
| A115 | Sulat | Sulat | Sulat | Samar | 8 | Eastern Samar | Sulat | 3.3 | Reservoir |
| A116 | Borongan | Borongan | Borongan | Samar | 8 | Eastern Samar | Borongan (Capital) | 5.7 | Reservoir |
| A117 | Canoving | Canoving | Canoving | Samar | 8 | Eastern Samar | Borongan (Capital) | 0.7 | Run of River |
| A118 | Buhid | Suribao | Suribao / Buhid | Samar | 8 | Eastern Samar | Maydolong | 6.5 | Run of River |
| A119 | Suribao | Suribao | --- | Samar | 8 | Eastern Samar | Maydolong | 7.7 | Reservoir |
| A120 | Binuangan No.1 | Suribao | --- | Samar | 8 | Eastern Samar | Borongan (Capital) | 1.6 | Run of River |
| A121 | Binuangan No.2 | Suribao | --- | Samar | 8 | Eastern Samar | Borongan (Capital) | 0.6 | Run of River |
| A122 | Llorente No.1 | Llorente | Llorente | Samar | 8 | Eastern Samar | Llorente | 2.3 | Run of River |
| A123 | Llorente No.2 | Llorente | --- | Samar | 8 | Eastern Samar | Balangiga | 0.6 | Run of River |
| A124 | Llorente No.3 | Llorente | --- | Samar | 8 | Eastern Samar | General Macarthur | 0.9 | Run of River |
| A125 | Llorente No.4 | Llorente | Llorente | Samar | 8 | Eastern Samar | Llorente | 12.4 | Reservoir |
| A126 | Catadongan | Llorente | --- | Samar | 8 | Eastern Samar | Balangkayan | 1.5 | Run of River |

4.7.3 Selection of Riverflow Gauging Stations

Locations of riverflow gauging stations are shown below. Riverflow records of gauging stations in target areas are used for developing discharge-duration curve data shown in the below sections.

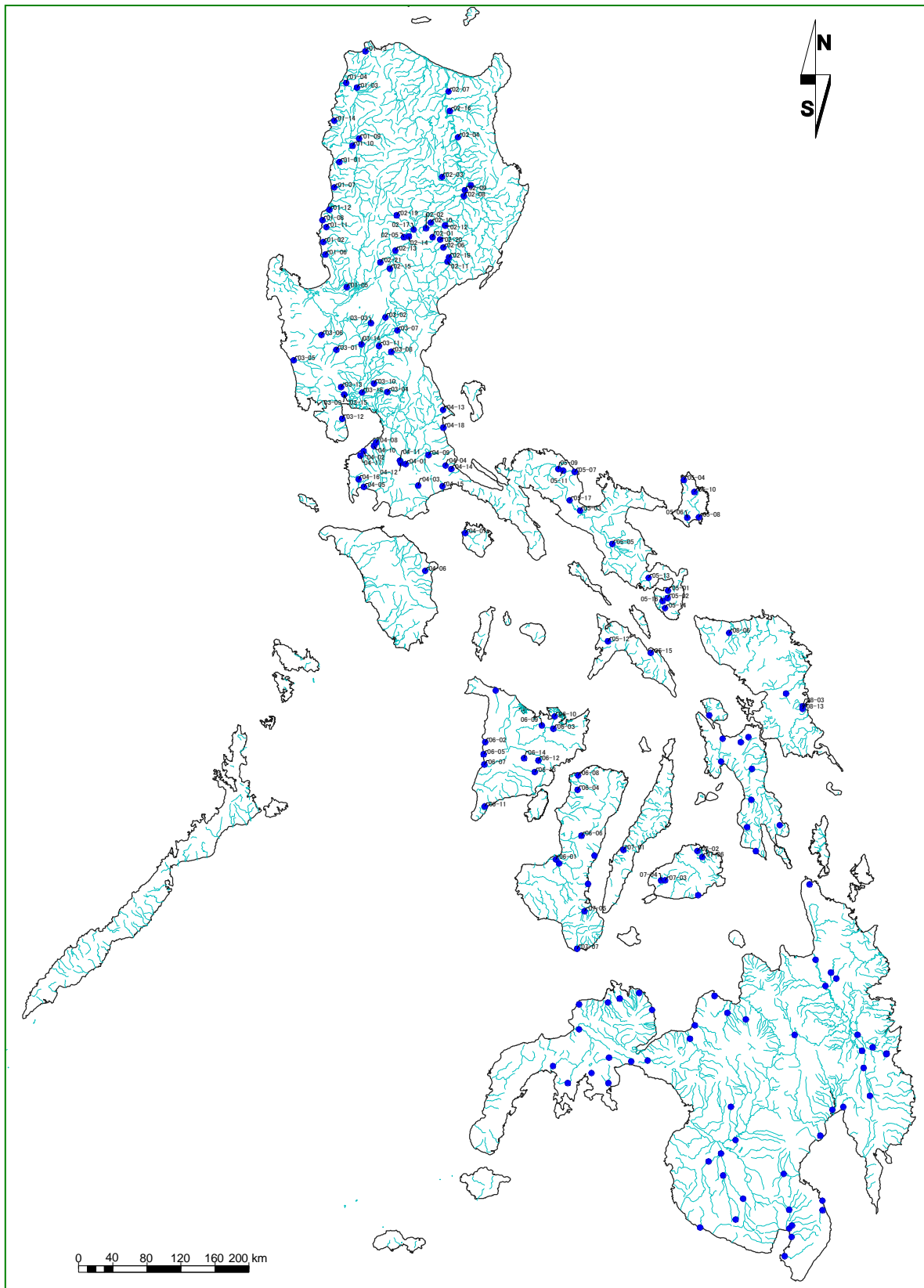


Fig. 4.7-5 Riverflow Gauging Stations

4.7.4 Study for Riverflow Data

Riverflow data of the BRS was collected and used for developing discharge-duration curves. The status of riverflow data for each gauging station is shown below. Riverflow gauging stations with short records (less than 4 or 5 years) are excluded from this study. Riverflow data from stations where riverflow records differ in character from other stations in the same water resource region, or where riverflow data is extremely large / small is also excluded from target data.

Table 4.7-4 Status of Riverflow Data (1/2)

Daily riverflow ■ : Data existing

| No. | WR R | Num | River Basin | River Name | Balangay | Municipality | Province | Period of Records | Data Yrs. | Area (km ²) | 1980 | 1990 | 2000 |
|-----|---------|-----|---------------|---------------|-------------------|--------------------|--------------------|----------------------|--------------|----------------------------|------|------|------------------------------------|
| 1 | | 1 | Narvacan | Narvacan | Codoog | Naravacan | Ilocos Sur | 85-95, 97-99 | 14 | 70 | | | |
| 2 | | 2 | Bauang | Bauang | (Acao.) Calumbuya | Bauang | La Union | 1986-1989 | 4 | 511 | | | |
| 3 | | 3 | Tonoton | Tonoton | Brgy #5 | Piddig | Ilocos Norte | 1985-1994 | 10 | 162 | | | |
| 4 | | 4 | Laoag | Laoag | Poblacion | Laoag City | Ilocos Norte | 1984-1994 | 11 | 1355 | | | |
| 5 | | 5 | Agno | Tagamusing | San Felipe | Binalonan | Pangasinan | 1983-2000 | 18 | 53 | | | |
| 6 | | 6 | Aringay | Aringay | Sta. Rita East | Aringay | La Union | 1985-1989 | 5 | 469 | | | |
| 7 | | 7 | Buaya | Buaya | Saoat | Sta. Cruz | Ilocos Sur | 1985-1988 | 4 | 195 | | | |
| 8 | | 8 | Maragayap | Maragayap | Sta. Rita | Bacnotan | La Union | 1983-1991 | 9 | 36 | | | |
| 9 | | 9 | Abra | Abra | Bumagcat | Tagum | Abra | 1984-1988 | 5 | 2575 | | | |
| 10 | | 10 | Abra | Sinalang | Lingsad | Penarubia | Abra | 1984-1988 | 5 | 120 | | | |
| 11 | | 11 | Baroro | Baroro | Cabaruan | San Juan | La Union | 1984-1989 | 6 | 129 | | | |
| 12 | | 12 | Borobor | Borobor | Rissing | Bangar | La Union | 1985-1988 | 4 | 169 | | | |
| 13 | | 13 | Bulu | Bulu | Caaramuagen | Pagudpud | Ilocos Norte | 1986-1989 | 4 | 231 | | | |
| 14 | | 14 | Cabugao | Cabugao | Rizal | Cabugao | Ilocos Norte | 1985-1989 | 5 | 76 | | | |
| 15 | | 1 | Cagayan | Ganano | Aurora East | Diffun | Quirino | 1983-1999 | 17 | 196 | | | |
| 16 | | 2 | Cagayan | Ilut | Ilut | Coron | Isabela | 1985-1999 | 15 | 18 | | | |
| 17 | | 3 | Cagayan | Casile | Casile | Mallig | Isabela | 1985-1991 | 7 | 195 | | | |
| 18 | | 4 | Cagayan | Pinacanauan d | Larion Alto | Tuguegarao | Caagayan | 1982-2009 | 18 | 646 | | | |
| 19 | | 5 | Cagayan | Lanoq | Careb | Bagabag | Nueva Vizcaya | 1985-1999 | 15 | 525 | | | |
| 20 | | 6 | Cagayan | Addalam | Pinaripad | Aglipay | Quirino | 1986-1999 | 14 | 872 | | | |
| 21 | | 7 | Cagayan | Cagayan | Bangag | Lallo | Caagayan | 1983-1990 | 8 | 28048 | | | |
| 22 | | 8 | Cagayan | Caagayan | Palattaa | Naguilian | Isabela | 1983-1990 | 8 | 6837 | | | |
| 23 | | 9 | Cagayan | Caagayan | Upi | Gamu | Isabela | 1987-1991 | 5 | 12192 | | | |
| 24 | | 10 | Cagayan | Diadi | Cabulay | Santiago | Isabela | 1983-1985 | 3 | 196 | | | |
| 25 | | 11 | Cagayan | Diduyon | Cabaruan | Maddela | Quirino | 1987-1998 | 12 | 70 | | | |
| 26 | | 12 | Cagayan | Ganano | Jipi | Echague | Isabela | 1986-1992 | 7 | 977 | | | |
| 27 | | 13 | Cagayan | Magat | Bato | Bambang | Nueva Vizcaya | 1987-1989 | 3 | 2640 | | | |
| 28 | | 14 | Cagayan | Magat | Baretbet | Bagabag | Nueva Vizcaya | 1986-1991 | 6 | 2030 | | | |
| 29 | | 15 | Cagayan | Marang | Beti | Aritao | Nueva Vizcaya | 1985-1999 | 15 | 1270 | | | |
| 30 | | 16 | Cagayan | Pared | Baybayog | Alicala | Caagayan | 1983-1996 | 14 | 966 | | | only water level data is available |
| 31 | | 17 | Cagayan | Rosario | Rosario | Diadi | Nueva Vizcaya | 1985-1991 | 13 | 24 | | | |
| 32 | | 18 | Cagayan | Tungcab | Villa Norte | Maddela | Quirino | 1987-1991 | 5 | 68 | | | |
| 33 | | 19 | Cagayan | Burnay | Tunggod | Lagawe | Ifugao | 1983-1987 | 5 | 95 | | | |
| 34 | | 20 | Cagayan | Dumatata | Gamis | Saguday | Quirino | 1985-1989 | 5 | 47 | | | |
| 35 | | 21 | Cagayan | Sta. Cruz | Pingkian | Kayapa | Viscaya | 1985-1990 | 6 | 162 | | | |
| 36 | | a | Cagayan | Pinacanauan d | Alinguisan | Ilagan | Isabela | 1985-1999 | 15 | 3145 | | | |
| 37 | | 1 | Agno | Bangot | Sta. Lucia | Capas | Tarlac | 83,86-91,91-93 | 14 | 91 | | | |
| 38 | | 2 | Pampanga | Talavera | San Andres | Llanera | Nueva Ecija | 1985-1999 | 15 | 380 | | | |
| 39 | | 3 | Pampanga | Baliuag | Sto. Rosario | Sto. Domingo | Nueva Ecija | 1985-1987 | 3 | 313 | | | |
| 40 | | 4 | Pampanga | Angat | Sabang | Sabang | Bulacan | 1985-1994 | 10 | 794 | | | |
| 41 | | 5 | Bucaco | Bucaco | Carel | Botolan | Zambales | 1983-1990 | 8 | 668 | | | |
| 42 | | 6 | Agno | Camiling | Poblacion | Mayantoc | Tarlac | 1985-2000 | 16 | 288 | | | |
| 43 | | 7 | Pampanga | Coronel | Sapang Buho | Bongabon | Nueva Ecija | 1985-1993 | 9 | 718 | | | |
| 44 | | 8 | Pampanga | Chico | Ilog na Munti | Gen. Tinio | Nueva Ecija | 1983-1992 | 10 | 160 | | | |
| 45 | | 9 | Gumain | Gumain | Sta. Cruz | Lubao | Pampanga | 1985-1991 | 7 | 370 | | | |
| 46 | | 10 | Pampanga | Maasim | Bahay Pare | Candaba | Pampanga | 1986-1992 | 7 | 174 | | | |
| 47 | | 11 | Pampanga | Pampanga | Poblacion | Sta. Rosa | Nueva Ecija | 1985-1990 | 6 | 4028 | | | |
| 48 | | 12 | Pilar | Pilar | Naqwaling | Pilar | Bataan | 1983-1990 | 8 | 14 | | | |
| 49 | | 13 | Guagua | Porac | Nasudeco | Floridablanca | Pampanga | 1985-1990 | 6 | 117 | | | |
| 50 | | 14 | Pampanga | Rio Chico | Sto. Rosario | Zaragoza | Nueva Ecija | 1985-1999 | 15 | 1177 | | | |
| 51 | | 15 | Gumain | Gumain | Sta. Cruz | Lubao | Pampanga | 1985-1999 | 15 | 370 | | | |
| 52 | | 16 | Pampanga | Pampanga | Sulipan | Apalit | Pampanga | 1981-2000 | 20 | 7849 | | | only water level data is available |
| 53 | | 1 | Laguna Lake | Laguna Lake | Laguna Lake | Los Banos | Laguna | 1984-1999 | 16 | 3158 | | | only water level data |
| 54 | | 2 | Alemang | Alemang | Marikina | Naic | Cavite | 1985-1999 | 15 | 42 | | | only water level data |
| 55 | | 3 | Lagnas | Lagnas | Lusacan | Tiaong | Quezon | 1983-1999 | 17 | 54 | | | |
| 56 | | 4 | Maapon | Maapon | Poblacion | Poblacion Sampaloc | Quezon | 1983-1989 | 7 | 75 | | | |
| 57 | | 5 | Dacanlao | Dacanlao | Sampaga | Balayan | Batangas | 1992-1999 | 8 | 39 | | | |
| 58 | | 6 | Pangalaan | Pangalaan | Pangalaan | Pinamalayan | Oriental Mindoro | 1989-1999 | 11 | 260 | | | |
| 59 | | 7 | Boac | Boac | Batac | Boac | Marinduque | 1991-1999 | 9 | 218 | | | |
| 60 | | 8 | Ilang-Ilang | Ilang-Ilang | Alapan II | Imus | Cavite | 1982-1985 | 4 | 60 | | | |
| 61 | | 9 | Laguna Lake | Pagsanjan | San Isidro | Pagsanjan | Laguna | 1984-1999 | 16 | 247 | | | |
| 62 | | 10 | Laguna Lake | Panaysayan | Palubluban | Gen. Trias | Cavite | 1982-1993 | 12 | 30 | | | |
| 63 | | 11 | San Cristobal | San Cristobal | San Cristobal | Calamba | Laguna | 1984-1990 | 7 | 106 | | | |
| 64 | | 12 | Laguna Lake | San Juan | Porac | Calamba | Laguna | 1986-1999 | 14 | 185 | | | |
| 65 | | 13 | Agus | Agus | Banugao | Infanta | Quezon | 1983-1985 | 3 | 879 | | | |
| 66 | | 14 | Balaybalay | Balaybalay | Liwayway | Mauban | Quezon | 1985-1990 | 6 | 53 | | | |
| 67 | | 15 | Iyam | Iyam | Domoit | Lucena City | Quezon | 1987-1993 | 7 | 76 | | | |
| 68 | | 16 | Molino | Molino | Guinhawa | Tuy | Batangas | 1983-1985 | 3 | 51 | | | |
| 69 | | 17 | Maragondon | Maragondon | Bukal | Maragondon | Cavite | 1983-2000 | 18 | 260 | | | |
| 70 | | 18 | Tignoan | Tignoan | Tignoan | Real | Quezon | 1985-1991 | 7 | 85 | | | |
| 71 | | a | Pagbahaan | Pagbahaan | Talabaan | Mamburao | Occidental Mindoro | 1995-2007 | 13 | 259 | | | |

Source: "Streamflow data 1980-2000", BRS-DPWH, (2001, 2002) and additional data from BRS-DPWH

Table 4.7-4 Status of Riverflow Data (2/2)

Daily riverflow ■ : Data existing

| No. | WR R | Num | River Basin | River Name | Balangay | Municipality | Province | Period of Records | Data Yrs. | Area (km ²) | 1980 | 1990 | 2000 |
|-----|---------|-----|---------------|---------------|---------------|---------------|-------------------|----------------------|--------------|----------------------------|------|------|------|
| 72 | | 1 | Biscol | Cadacan | Taboc | Juban | Sorsogon | 1980-1983 | 4 | 211 | | | |
| 73 | | 2 | Biscol | Cadacan | Sangkayon | Juban | Sorsogon | 1984-1994 | 11 | 125 | | | |
| 74 | | 3 | Biscol | Libmanan | Plancha | Libmanan | Camarines Sur | 1980-1999 | 20 | 596 | | | |
| 75 | | 4 | Mambang | Mambang | San Rafael | Pandan | Catanduanes | 1982-1985 | 4 | 400 | | | |
| 76 | | 5 | Agus | Agus | Agus | Polangui | Albay | 1983-1999 | 17 | 110 | | | |
| 77 | | 6 | Cawayan | Cawayan | Hicming | Virac | Catanduanes | 1982-1990 | 8 | 12 | | | |
| 78 | | 7 | Daet | Daet | Dakolang Bolo | Imelda | Camarines Norte | 1982-1986 | 5 | 66 | | | |
| 79 | | 8 | Libjo | Libjo | Libjo | Bato | Catanduanes | 1982-1990 | 8 | 4 | | | |
| 80 | | 9 | Matogdon | Matogdon | Bocal | Labo | Camarines Norte | 1982-1990 | 8 | 25 | | | |
| 81 | | 10 | Payo | Payo | San Miguel | Panganiban | Catanduanes | 1982-1990 | 8 | 18 | | | |
| 82 | | 11 | Talisay | Talisay | Cabanbanan | San Vicente | Camarines Norte | 1982-1986 | 5 | 18 | | | |
| 83 | | 12 | Bat-ongan | Bat-ongan | Mandaon | Masbate | Masbate | 1983-1986 | 4 | 38 | | | |
| 84 | | 13 | Biscol | Cumadcad | Cumadcad | Castilla | Sorsogon | 1981-1989 | 10 | 13 | | | |
| 85 | | 14 | Pawic | Pawic | San Isidro | Bulan | Sorsogon | 1981-1990 | 10 | 43 | | | |
| 86 | | 15 | Pinagpugan | Pinagpugan | Quezon | Uson | Masbate | 1982-1986 | 5 | 45 | | | |
| 87 | | 16 | San Francisco | San Francisco | San Francisco | Bulan | Sorsogon | 1982-1990 | 9 | 36 | | | |
| 88 | | 17 | Yabo | Yabo | Yabo | Sipocot | Camarines Sur | 1980-1990 | 11 | 82 | | | |
| 89 | | 1 | Ilog | Ilog | Talubangi | Kabankalan | Negros Occidental | 1989-2002 | 11 | 2009 | | | |
| 90 | | 2 | Dalanas | Dalanas | Beri | Barbasa | Antique | 1986-1989 | 4 | 181 | | | |
| 91 | | 3 | Ma-ayon | Maayon | Poblacion | Maayon | Capiz | 1987-1992 | 6 | 241 | | | |
| 92 | | 4 | Imbang | Imbang | Dos Hermanas | Talisay | Negros Occidental | 1987-1990 | 4 | 33 | | | |
| 93 | | 5 | Cairawan | Cairawan | Dalipe | Laua-an | Antique | 1986-1991 | 6 | 73 | | | |
| 94 | | 6 | Binalbagan | Binalbagan | Had. Conchita | Binalbagan | Negros Occidental | 1987-1989 | 3 | 995 | | | |
| 95 | | 7 | Cangaranan | Cangaranan | Zaragoza | Bugasong | Antique | 1986-1989 | 4 | 297 | | | |
| 96 | | 8 | Malogo | Malogo | Pasil | E.B. Magalona | Negros Occidental | 1986-1990 | 5 | 161 | | | |
| 97 | | 9 | Panay | Mambusao | Poblacion | Sigma | Capiz | 1985-1993 | 9 | 325 | | | |
| 98 | | 10 | Panay | Panay | Poblacion | Panitan | Capiz | 1984-1989 | 6 | 1611 | | | |
| 99 | | 11 | Tiolas | Tiolas | Quianan | San Joaquin | Iloilo | 1985-1988 | 4 | 48 | | | |
| 100 | | 12 | Jalaur | Ulian | Tinocuan | Duenas | Iloilo | 1985-1988 | 4 | 309 | | | |
| 101 | | 13 | Jalaur | Suage | Cabalabaguan | Mina | Iloilo | 1989-2001 | 13 | 178 | | | |
| 102 | | 14 | Ulian | Ulian | Pajo | Labunao | Iloilo | 1986-1990 | 5 | 115 | | | |
| 103 | | a | Ibajay | Ibajay | Bagacay | Ibajay | Aklan | 2003-2008 | 6 | 196 | | | |
| 104 | | 1 | Sta. Ana | Sta. Ana | Sta. Ana | Banil | Cebu | 1984-1999 | 16 | 45 | | | |
| 105 | | 2 | Zamora | Zamora | Zamora | Talibon | Bohol | 1985-1999 | 15 | 20 | | | |
| 106 | | 3 | Abatan | Abatan | San Isidro | Balilihan | Bohol | 1984-2000 | 17 | 140 | | | |
| 107 | | 4 | Abatan | Antequera | Sto. Rosario | Antequera | Bohol | 1984-1988 | 5 | 54 | | | |
| 108 | | 5 | Tanjay | Tanjay | Pinanlayaan | Pamplona | Negros Oriental | 1985-2000 | 6 | 165 | | | |
| 109 | | 6 | Hinlayagan | Hinlayagan | Ilawod | Trinidad | Bohol | 1984-1988 | 5 | 41 | | | |
| 110 | | 7 | Siaton | Siaton | Poblacion | Pop. Siaton | Negros Oriental | 1991-1999 | 9 | 132 | | | |
| 111 | | a | Manaba | Manaba | Candulao | G. Hernandez | Bohol | 1984-2000 | 17 | 91 | | | |
| 112 | | a | La Libertad | La Libertad | Solonggon | La Libertad | Negros Oriental | 1987-1998 | 12 | 213 | | | |
| 113 | | a | Anulod | Anulod | Cabungan | Bindoy | Negros Oriental | 1985-2010 | 26 | 122 | | | |
| 114 | | 1 | Pagbangan | Pagbangan | Makinhas | Baybay | Leyte | 1984-1989 | 6 | 128 | | | |
| 115 | | 2 | Sapiniton | Sapiniton | Libtong | San Miguel | Leyte | 1984-1998 | 15 | 204 | | | |
| 116 | | 3 | Borongon | Borongon | San Mateo | Borongon | Eastern Samar | 1990-1999 | 10 | 111 | | | |
| 117 | | 4 | Daguitan | Daguitan | Cagangon | Buraue | Leyte | 1982-1988 | 7 | 127 | | | |
| 118 | | 5 | Bankerohan | Bankerohan | Tagaytay | Bato | Leyte | 1984-1988 | 5 | 168 | | | |
| 119 | | 6 | Catarman | Catarman | Polangui | Catarman | Northern Samar | 1985-1988 | 4 | 441 | | | |
| 120 | | 7 | Catmon | Catmon | Catmon | Naval | Leyte | 1986-1988 | 3 | 18 | | | |
| 121 | | 8 | Pagsanga-an | Pagsanga-an | Liloan | Ormoc City | Leyte | 1985-1988 | 4 | 430 | | | |
| 122 | | 9 | Tunga | Tunga | San Vicente | Tunga | Northern Leyte | 1985-1991 | 7 | 33 | | | |
| 123 | | 10 | Amparo | Amparo | Mabini | Marcrohon | Southern Leyte | 1985-2000 | 14 | 74 | | | |
| 124 | | 11 | Das-ay | Das-ay | Sto. Nino | Hinunangan | Southern Leyte | 1986-2000 | 15 | 59 | | | |
| 125 | | 12 | Leyte | Leyte | San Joaquin | Capoocan | Leyte | 1985-2000 | 16 | 29 | | | |
| 126 | | 12 | Loom | Loom | Calico-an | Borongon | Eastern Samar | 1986-2000 | 15 | 42 | | | |
| 127 | | a | Tubig | Taft | Bagacay | Hilabangan | Samar | 1985-2000 | 16 | 237 | | | |

Source: "Streamflow data 1980-2000", BRS-DPWH, (2001, 2002) and additional data from BRS-DPWH

4.7.5 Discharge-Duration Curves

As described above, applicable riverflow records are used for developing discharge-duration curves. By comparing discharge-duration curves with other riverflow gauging stations in the WRR (Water Recourses Region), riverflow data from stations where riverflow records differ in character from other stations in the water resource regions, or where riverflow data is too large / small is excluded from target data. For zoning segmentation areas of discharge – duration curves, the following points are taken into considerations: (1) Characteristics of discharge-duration curves, (2) Climate Regions and (3) Annual Rainfall Distributions. The methodology for developing discharge-duration curves for each zone and the results of zoning are shown below. As a result of this study, discharge-duration curves and their zones are shown in Fig. 4.7-7 and Table 4.7-5.

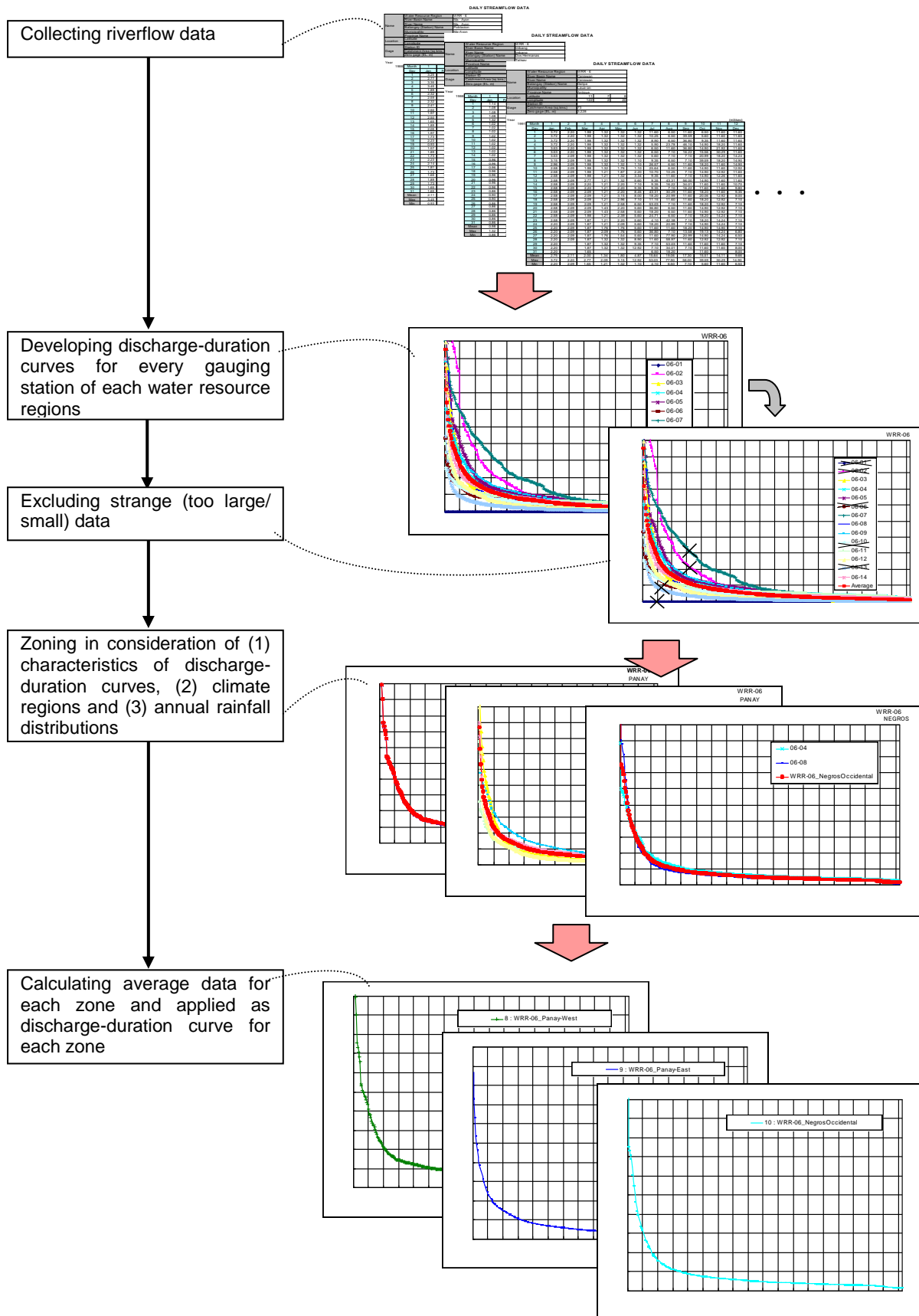


Fig. 4.7-6 Flowchart for Developing Discharge-Duration Curves

Table 4.7-5 Discharge-Duration Curve Zone

| No. | Name | Water Resource Region (WRR) | Climate Type | Annual Rainfall | Administrative Region | Island |
|-----|-----------------------------------|-----------------------------|--------------|-----------------|-----------------------|--|
| 1 | WRR-01_Ilocos | 1, 3 | I | 2000-3000 | 1, 3 | Luzon |
| 2 | WRR-02_Cagayan | 2 | III | < 3000 | 2, CAR | Luzon |
| 3 | WRR-03_Central-Luzon | 3 | I | 2000-3000 | 3 | Luzon |
| 4 | WRR-04_Calabarzon-West ~ Mimaropa | 4 | I, III | < 2500 | 4B | Mindoro Marindouque Ronblon Palawan |
| 5 | WRR-04_Calabarzon-East | 4 | II, IV | 2500-3500 | 4A | Luzon |
| 6 | WRR-05_Masbate ~ Bicol-West | 5 | III | < 2500 | 5 | MasbateLuzon |
| 7 | WRR-05_Bicol-East | 5 | II | 2500-3500 | 5 | Luzon |
| 8 | WRR-06_Panay-West | 6 | III | 3000-4000 | 6 | Panay |
| 9 | WRR-06_Panay-East | 6 | I, III | 2000-3000 | 6 | Panay |
| 10 | WRR-06_NegrosOccidental | 6 | I, III | 2000-2500 | 6 | Negros |
| 11 | WRR-07_NegrosOriental | 7 | I, III | < 2500 | 6, 7 | Negros, Cebu |
| 12 | WRR-07_Bohol | 7 | IV | < 2500 | 7 | Bohol |
| 13 | WRR-08_Samar-East | 8 | II | 2500-3500 | 8 | Samar |
| 14 | WRR-08_Samar-West | 8 | II | 3500-4500 | 8 | Samar |
| 15 | WRR-08_Leyte | 8 | IV | 2000-2500 | 8 | Leyte |

☐ : Not target of this study

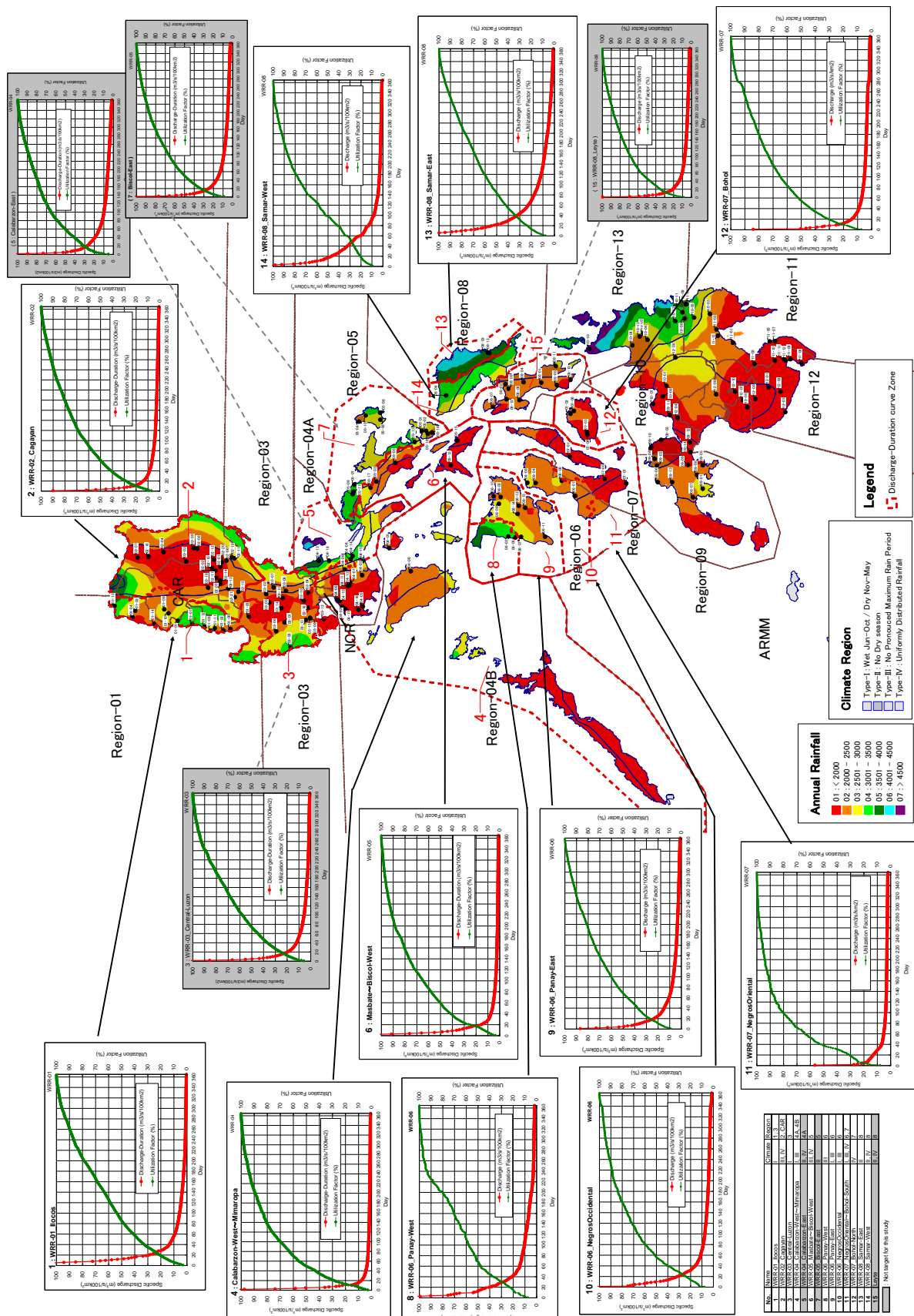


Fig. 4.7-7 Discharge-Duration Curves and Their Zones

These discharge-duration curves for each zone in each WRR and hydrographs are shown in Figs.4.7-8 and 4.7-9, respectively.

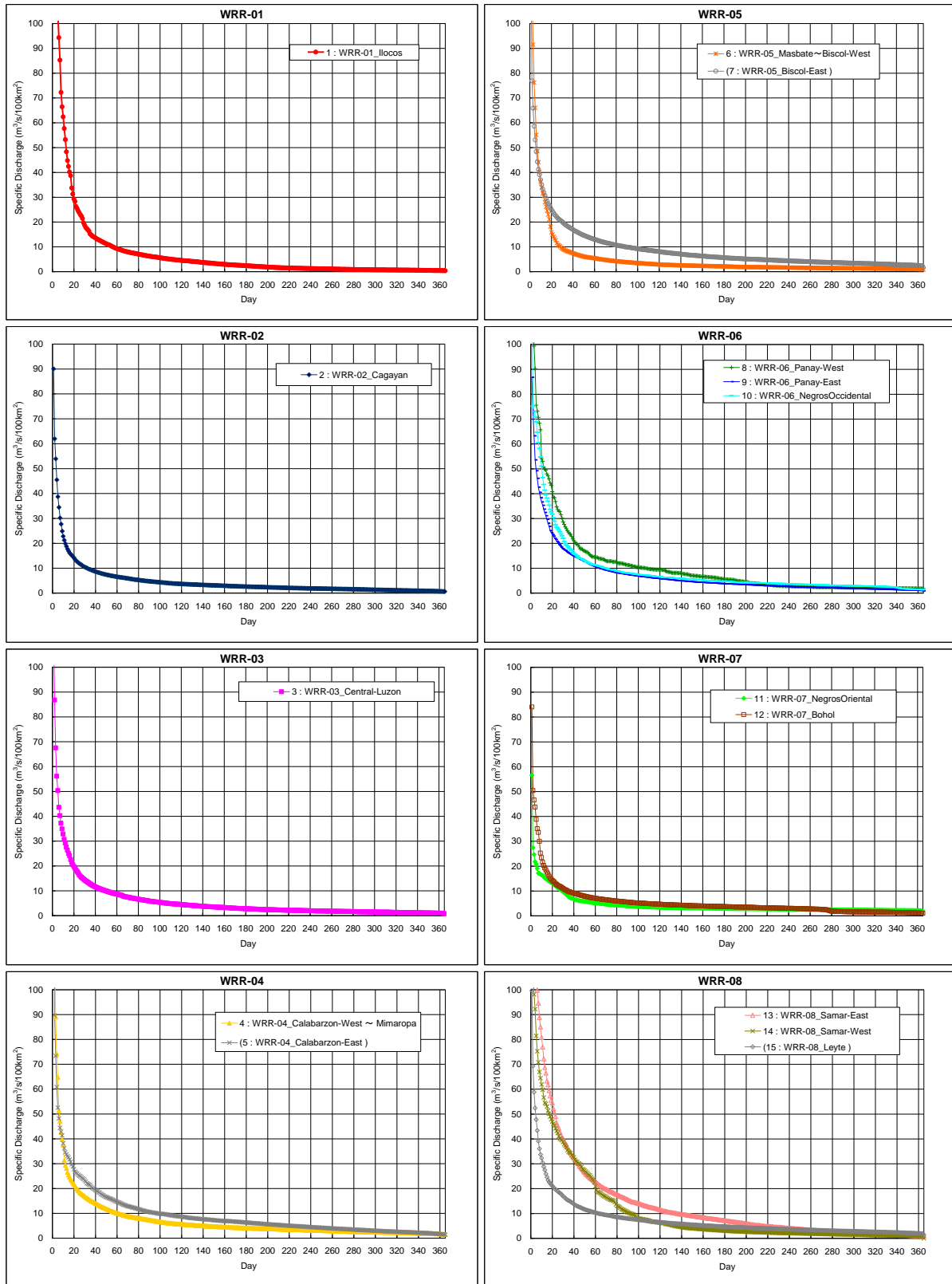


Fig. 4.7-8 Discharge-Duration Curves of Each Zone and Each Water Resource Region (WRR)

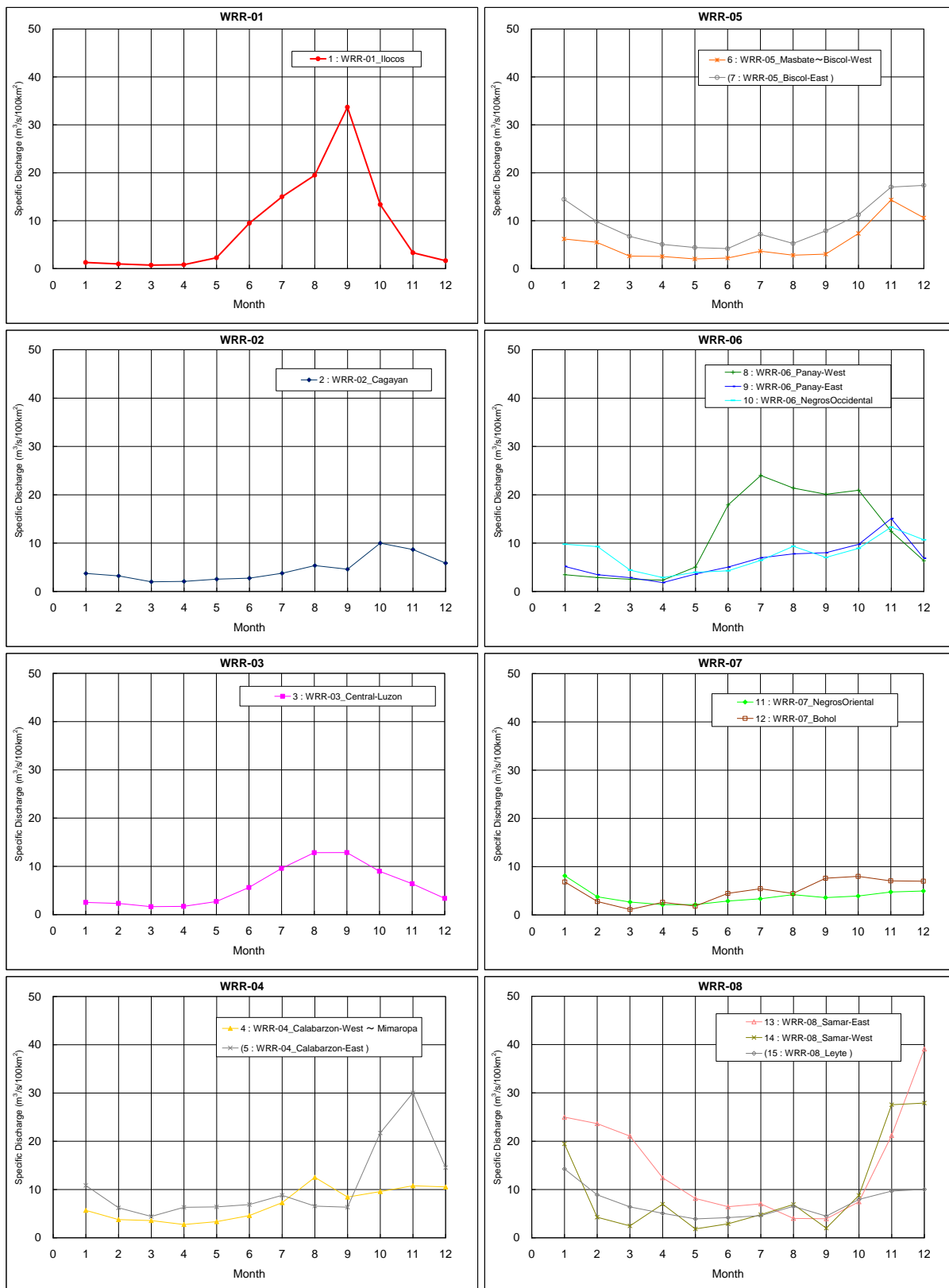


Fig. 4.7-9 Hydrographs of Each Zone and Each Water Resource Region (WRR)

4.8 GEOLOGICAL DATA

(1) Geological Map

The geological map used in this study is shown below.

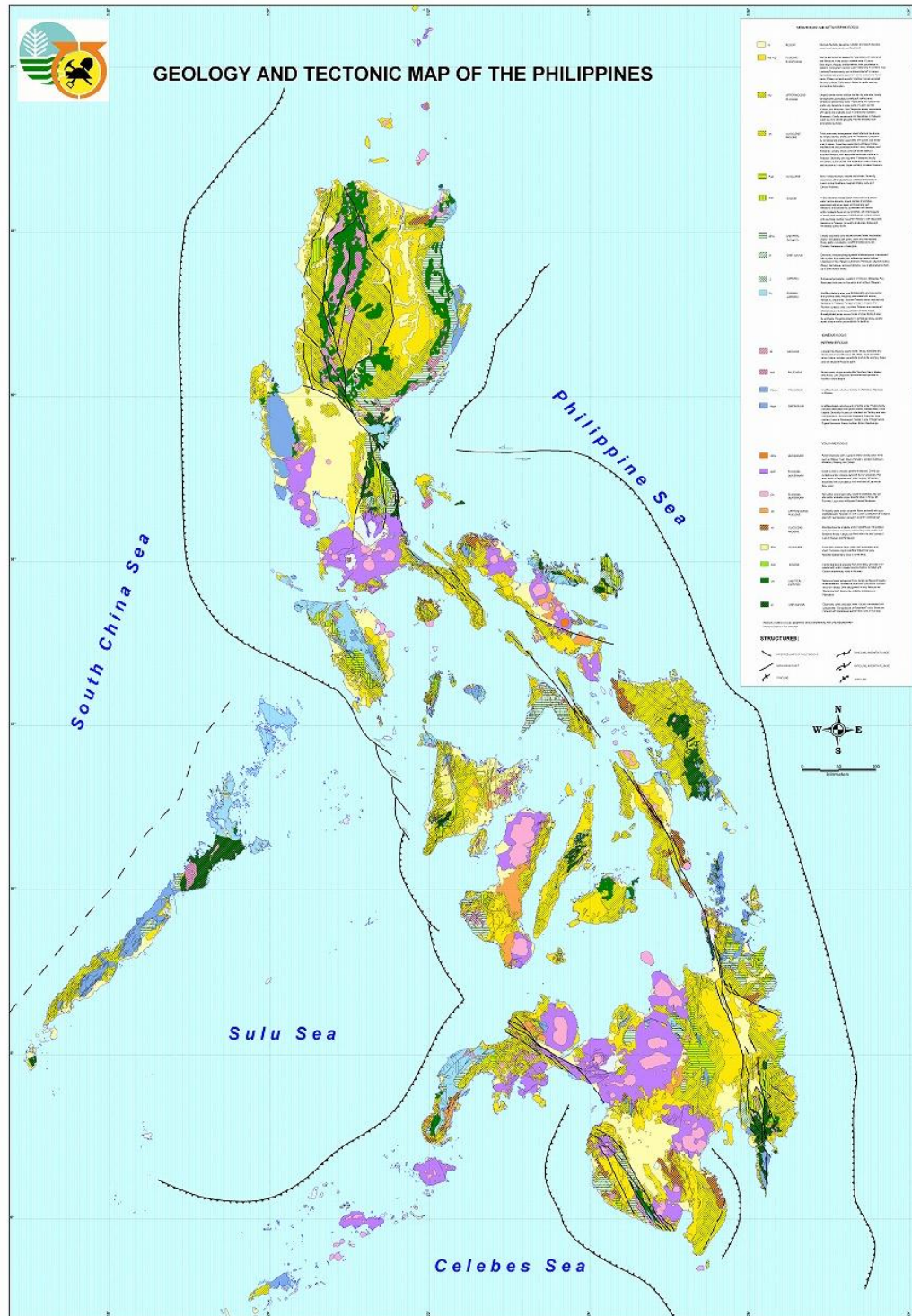


Fig. 4.8-1 (1) Geological Map

Source: MGB (Mines and Geoscience Bureau, DENR)

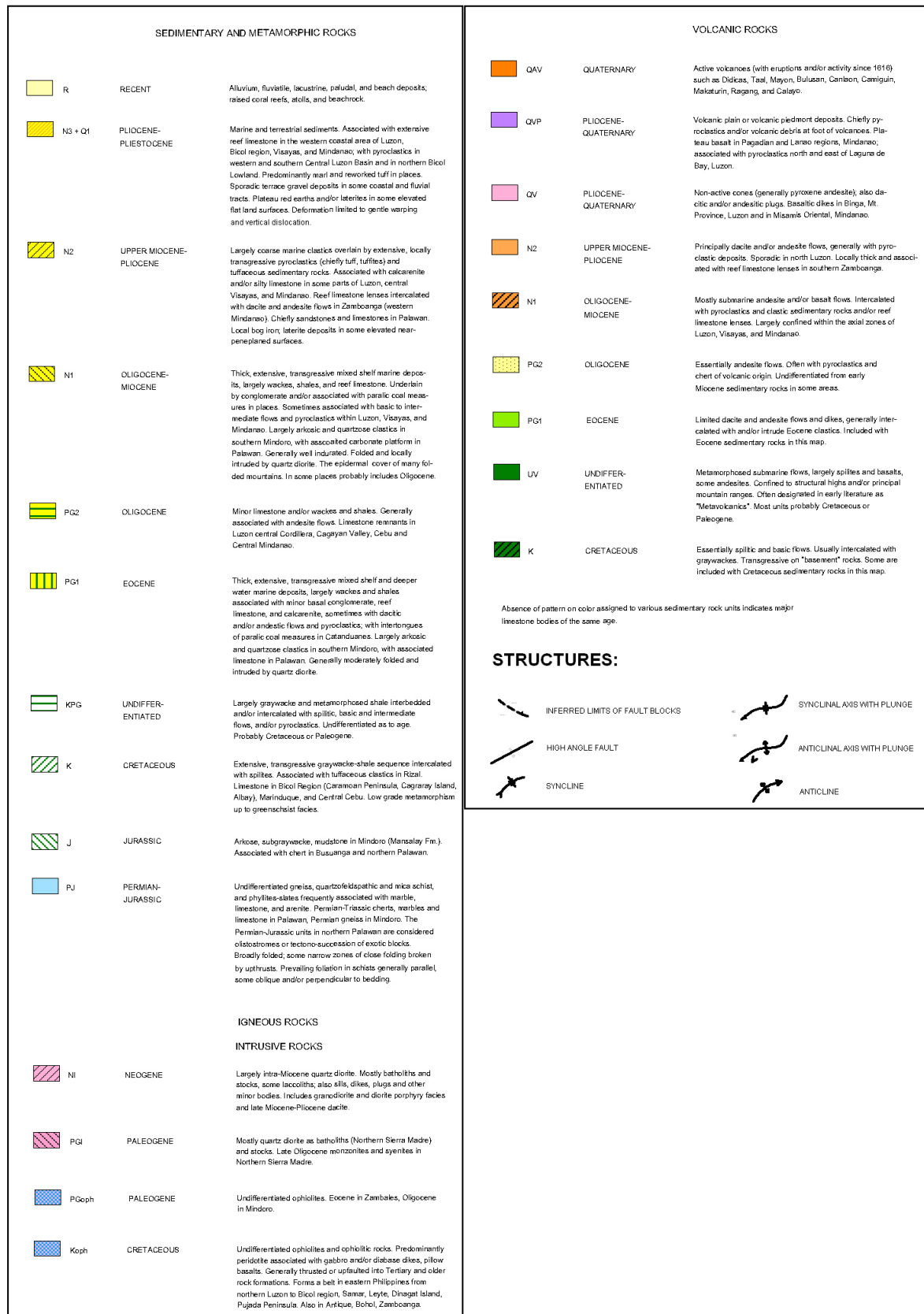


Fig. 4.8-1 (2) Legend of Geological Map

Source: MGB