An Estuary Ecosystem Classification that encompasses biogeography and a high diversity of types in support of protection and management

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Supplementary table: Classification and location of South Africa's estuaries (dark blue) and micro-systems (light blue) types from West to East (Orange to Kosi)

| Outlet # W to E | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------------|--------------|-------------------------|---------------|----------------------|------------------------------------------|---------------|---------------|------------------------------|
| 1              | Orange       | Cool Temperate          | Estuary       | Large Fluvially Dominated | Large Fluvially Dominated                  | 16°27'28.0943" | 28°38'8.6783" | NBA 2012, CSIR NRIO List 1981 |
| 2              | Holgat       | Cool Temperate          | Micro-system  | Micro-outlet          | Micro-outlet                              | 16°43'15.6792" | 28°58'43.946"  | CSIR NRIO List 1981           |
| 3              | Kwagganap    | Cool Temperate          | Micro-system  | Micro-outlet          | Micro-outlet                              | 16°59'55.90"  | 29°31'23.02"  | NBA 2018 river list           |
| 4              | Buffels      | Cool Temperate          | Estuary       | Arid Predominantly Closed | Arid Predominantly Closed                  | 17°3'2.26"    | 29°40'38.17"  | NBA 2012, CSIR NRIO List 1981 |
| 5              | Swartlantjes | Cool Temperate          | Estuary       | Arid Predominantly Closed | Arid Predominantly Closed                  | 17°15'33.22"  | 30°15'47.49"  | Northern Cape Government      |
| 6              | Spoeg        | Cool Temperate          | Estuary       | Arid Predominantly Closed | Arid Predominantly Closed                  | 17°21'31.4280" | 30°28'21.691" | NBA 2012, CSIR NRIO List 1981 |
| 7              | Bitter       | Cool Temperate          | Micro-system  | Micro-outlet          | Micro-outlet                              | 17°26'34.6020" | 30°35'53.476" | CSIR NRIO List 1981           |
| 8              | Groen        | Cool Temperate          | Estuary       | Arid Predominantly Closed | Arid Predominantly Closed                  | 17°34'35.6268" | 30°50'48.472" | NBA 2012, CSIR NRIO List 1981 |
| 9              | Brak         | Cool Temperate          | Micro-system  | Micro-outlet          | Micro-outlet                              | 17°43'47.2440" | 31°5'55.9355" | CSIR NRIO List 1981           |
| Outlet # W to E | Estuary name          | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name                  |
|----------------|-----------------------|------------------------|---------------|---------------------|---------------------------------------------|---------------|---------------|------------------------------------------------|
| 10             | Sout (Noord)          | Cool Temperate         | Estuary       | Arid Predominantly Closed | Arid Predominantly Closed                     | 17°50'54.2831" | 31°14'41.207" | NBA 2012, CSIR NRIO List 1981                   |
| 11             | Cool Temperate 1      | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                 | 18° 2'2.49"    | 31°29'51.35" | NBA 2018                                          |
| 12             | Oliifants             | Cool Temperate         | Estuary       | Predominantly Open   | Predominantly Open                           | 18°11'13.6283" | 31°42'3.7583" | NBA 2012, CSIR NRIO List 1981                   |
| 13             | Sandlaagte            | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                 | 18°13'29.03"   | 31°45'32.94" | CSIR NRIO List 1981                             |
| 14             | Jakkals               | Cool Temperate         | Estuary       | Large Temporarily Closed | Large Temporarily Closed                     | 18°18'48.2976" | 32°5'4.70759" | NBA 2012, CSIR NRIO List 1981                   |
| 15             | Wadrift               | Cool Temperate         | Estuary       | Arid Predominantly Closed | Arid Predominantly Closed                     | 18°19'30.9719" | 32°12'16.509" | NBA 2012, CSIR NRIO List 1981                   |
| 16             | Verlorenvlei          | Cool Temperate         | Estuary       | Estuarine Lake       | Estuarine Lake                               | 18°19'59.4263" | 32°18'57.319" | NBA 2012, CSIR NRIO List 1981                   |
| 17             | Papkuils              | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                 | 18°17'8.68"    | 32°37'33.97" | CSIR NRIO List 1981                             |
| 18             | Groot Berg            | Cool Temperate         | Estuary       | Predominantly Open   | Predominantly Open                           | 18°8'37.9860"  | 32°46'11.096" | NBA 2012, CSIR NRIO List 1981                   |
| 19             | Cool Temperate 2      | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                 | 17°54'31.39"   | 32°46'56.77" | NBA 2018 river list                            |
| 20             | Paternosterbaai       | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                 | 17°54'1.52"    | 32°48'8.96"  | CSIR NRIO List 1981                             |
| 21             | Bok (Noord)           | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                 | 17°58'26.11"   | 32°59'44.60" | Western Cape Government                       |
| 22             | Langebaan             | Cool Temperate         | Estuary       | Estuarine Lagoon     | Estuarine Lagoon                             | 18° 1'18.97"   | 33° 5'50.36" | CSIR NRIO List 1981, Berg Classification       |
| 23             | Dwars (Noord)         | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                 | 18°13'39.38"   | 33°24'15.98" | CSIR NRIO List 1981                             |
| 24             | Dwars (Suid)          | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                 | 18°15'46.92"   | 33°26'12.16" | CSIR NRIO List 1981                             |
| 25             | Modder                | Cool Temperate         | Micro-system  | Micro-estuary        | Micro-estuary                                | 18°18'24.45"   | 33°29'5.12"  | CSIR NRIO List 1981                             |
| 26             | Cool Temperate 3      | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                 | 18°19'29.19"   | 33°30'59.67" | NBA2018                                         |
| 27             | Jacobsbaai            | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                 | 18°19'27.45"   | 33°31'12.44" | CSIR NRIO List 1981                             |
| Outlet # | Estuary name       | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|--------------------|------------------------|---------------|----------------------|---------------------------------------------|---------------|---------------|----------------------------------|
| 28       | Léerbaai           | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 18°19'4.72"  | 33°32'14.11" | CSIR NRIO List 1981              |
| 29       | Bok (Suid)         | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 18°20'2.33"  | 33°34'8.79"  | CSIR NRIO List 1981              |
| 30       | Cool Temperate 4   | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 18°21'8.74"  | 33°34'39.97" | CSIR NRIO List 1981              |
| 31       | Silwerstroon       | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 18°21'21.74" | 33°34'53.79" | Berg Classification              |
| 32       | Sout (Suid)        | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 18°26'36.59" | 33°42'49.07" | Berg Classification              |
| 33       | Springfontein      | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 18°22'26.03" | 33°36'27.56" | BSIR Classification             |
| 34       | Diep/Rietvlei      | Cool Temperate         | Estuary       | Large Temporarily Closed | Large Temporarily Closed                 | 18°28'55.7148" | 33°53'23.654" | NBA 2012, CSIR NRIO List 1981     |
| 35       | Sout (Wes)         | Cool Temperate         | Estuary       | Large Temporarily Closed | Predominantly Open                  | 18°28'17.7095" | 33°54'28.925" | NBA 2012, CSIR NRIO List 1981     |
| 36       | Disa               | Cool Temperate         | Estuary       | Large Temporarily Closed | Large Temporarily Closed            | 18°21'16.2000" | 34°2'47.0075" | NBA 2012, CSIR NRIO List 1981     |
| 37       | Goeiehoop          | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 18°21'10.15"  | 34°547.91"   | CSIR NRIO List 1981              |
| 38       | Wildevoëlvlei      | Cool Temperate         | Estuary       | Large Temporarily Closed | Large Temporarily Closed            | 18°20'35.8332" | 34°7'38.6796" | NBA 2012, CSIR NRIO List 1981     |
| 39       | Bokramspruit       | Cool Temperate         | Micro-system  | Micro-estuary        | Micro-estuary                              | 18°22'15.6251" | 34°12'7.3619" | NBA 2012, CSIR NRIO List 1981     |
| 40       | Schuster           | Cool Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed    | 18°22'42.2436" | 34°13'51.391" | NBA 2012, CSIR NRIO List 1981     |
| 41       | Krom               | Cool Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed   | 18°22'58.31"  | 34°15'26.47" | CSIR NRIO List 1981              |
| 42       | Olifantsbos        | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 18°23'46.66"  | 34°17'14.50" | CSIR NRIO List 1981              |
| 43       | Booiskaal          | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 18°27'42.1515" | 34°19'5.6532" | NBA 2012, CSIR NRIO List 1981     |
| 44       | Buffels (Wes)      | Cool Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 18°25'53.3495" | 34°9'37.5083" | NBA 2012, CSIR NRIO List 1981     |
| 45       | Elsies             | Cool Temperate         | Micro-system  | Micro-estuary        | Micro-estuary                              | 18°19'4.72"  | 33°32'14.11" | CSIR NRIO List 1981              |
| Outlet # | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|--------------|------------------------|---------------|----------------------|---------------------------------------------|--------------|--------------|-----------------------------|
| 46       | Silwermyn    | Cool Temperate          | Estuary       | Large Temporarily Closed | Small Temporarily Closed                      | 18°26'20.1227" | 34°7'57.9467" | NBA 2012, CSIR NRIO List 1981 |
| 47       | Zand         | Cool Temperate          | Estuary       | Large Temporarily Closed | Large Temporarily Closed                      | 18°28'35.4000" | 34°6'22.9823" | NBA 2012, CSIR NRIO List 1981 |
| 48       | Zeekoei      | Cool Temperate          | Estuary       | Estuarine Lake        | Predominantly Open                            | 18°30'17.7623" | 34°5'54.3083" | NBA 2012, CSIR NRIO List 1981 |
| 49       | Eerste       | Cool Temperate          | Estuary       | Large Temporarily Closed | Large Temporarily Closed                      | 18°45'13.4028" | 34°4'43.7771" | NBA 2012, CSIR NRIO List 1981 |
| 50       | Lourens      | Cool Temperate          | Estuary       | Small Temporarily Closed | Small Temporarily Closed                      | 18°48'39.0347" | 34°6'0.18719" | NBA 2012, CSIR NRIO List 1981 |
| 51       | Cool Temperate 5 | Cool Temperate       | Micro-system  | Micro-estuary         | Micro-estuary                                | 18°50'8.69"E  | 34°7'39.74"S  | NBA2018                     |
| 52       | Sir Lowry’s Pass | Cool Temperate       | Estuary       | Small Temporarily Closed | Small Temporarily Closed                      | 18°51'53.6220" | 34°9'20.0160" | NBA 2012, CSIR NRIO List 1981 |
| 53       | Steenbras    | Cool Temperate          | Estuary       | Small Fluvially Dominated | Small Fluvially Dominated                    | 18°49'9.88319" | 34°11'41.348" | NBA 2012, CSIR NRIO List 1981 |
| 54       | Rooiels      | Cool Temperate          | Estuary       | Small Temporarily Closed | Small Temporarily Closed                      | 18°49'15.7620" | 34°17'44.786" | NBA 2012, CSIR NRIO List 1981 |
| 55       | Buffels (Oos) | Cool Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                      | 18°49'46.3259" | 34°20'20.209" | NBA 2012, CSIR NRIO List 1981 |
| 56       | Palmiet      | Cool Temperate          | Estuary       | Large Temporarily Closed | Large Temporarily Closed                      | 18°59'38.9075" | 34°20'43.584" | NBA 2012, CSIR NRIO List 1981 |
| 57       | Bot/Kleinmond | Cool Temperate        | Estuary       | Estuarine Lake        | Estuarine Lake                                | 19°5'49.6751" | 34°22'6.3516" | NBA 2012, CSIR NRIO List 1981 |
| 58       | Onrus        | Cool Temperate          | Estuary       | Small Temporarily Closed | Small Temporarily Closed                      | 19°10'43.2912" | 34°25'7.1472" | NBA 2012, CSIR NRIO List 1981 |
| 59       | Mossel       | Cool Temperate          | Micro-system  | Micro-outlet          | Micro-outlet                                  | 19°16'21.25"  | 34°24'29.86"  | CSIR NRIO List 1981         |
| 60       | Klein        | Cool Temperate          | Estuary       | Estuarine Lake        | Estuarine Lake                                | 19°17'53.3723" | 34°25'14.354" | NBA 2012, CSIR NRIO List 1981 |
| 61       | Uilkraals    | Cool Temperate          | Estuary       | Predominantly Open    | Large Temporarily Closed                      | 19°24'27.4859" | 34°36'27.176" | NBA 2012, CSIR NRIO List 1981 |
| 62       | Haelkraal    | Cool Temperate          | Micro-system  | Micro-estuary         | Micro-estuary                                 | 19°31'40.91"  | 34°40'35.89"  | Beede/Gourits Classification |
| 63       | Ratel        | Cool Temperate          | Estuary       | Small Temporarily Closed | Small Temporarily Closed                      | 19°44'47.4216" | 34°46'15.668" | NBA 2012, CSIR NRIO List 1981 |
| Outlet # | Estuary name      | Biogeographical region  | Estuary class | Natural estuary type         | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|------------------|-------------------------|---------------|-----------------------------|--------------------------------------------|--------------|---------------|-------------------------------|
| 64       | Drie vlietjies   | Cool Temperate          | Micro-system  | Micro-outlet                | Micro-outlet                               | 19°46'23.85" | 34°45'49.47" | Beede/Gourits Classification |
| 65       | Heuningnes      | Warm Temperate          | Estuary       | Estuarine Lake              | Predominantly Open                         | 20°7'9.2850" | 34°42'53.244" | NBA 2012, CSIR NRIO List 1981 |
| 66       | Klipdriffontein | Warm Temperate          | Estuary       | Small Temporarily Closed    | Small Temporarily Closed                   | 20°43'52.7951" | 34°27'6.8616" | NBA 2012, CSIR NRIO List 1981 |
| 67       | Papkuils        | Warm Temperate          | Micro-system  | Micro-outlet                | Micro-outlet                               | 20°52'1.08"  | 34°27'22.49" | CSIR NRIO List 1981          |
| 68       | Breede          | Warm Temperate          | Estuary       | Predominantly Open          | Predominantly Open                         | 20°50'43.1951" | 34°24'26.762" | NBA 2012, CSIR NRIO List 1981 |
| 69       | Duiwenhoks      | Warm Temperate          | Estuary       | Predominantly Open          | Predominantly Open                         | 21°0'4.25520" | 34°21'54.107" | NBA 2012, CSIR NRIO List 1981 |
| 70       | Goukou          | Warm Temperate          | Estuary       | Predominantly Open          | Predominantly Open                         | 21°25'24.6972" | 34°22'42.067" | NBA 2012, CSIR NRIO List 1981 |
| 71       | Gouritz         | Warm Temperate          | Estuary       | Predominantly Open          | Predominantly Open                         | 21°53'9.25440" | 34°20'43.227" | NBA 2012, CSIR NRIO List 1981 |
| 72       | Blinde          | Warm Temperate          | Estuary       | Small Temporarily Closed    | Small Temporarily Closed                   | 22°0'46.6092" | 34°12'39.060" | NBA 2012, CSIR NRIO List 1981 |
| 73       | Tweekuilen      | Warm Temperate          | Estuary       | Small Temporarily Closed    | Small Temporarily Closed                   | 22°6'42.11"  | 34°9'5.51"   | CSIR NRIO List 1981          |
| 74       | Gericke         | Warm Temperate          | Estuary       | Small Temporarily Closed    | Small Temporarily Closed                   | 22°6'37.50"  | 34°8'38.35"  | CSIR NRIO List 1981          |
| 75       | Hartenbos       | Warm Temperate          | Estuary       | Large Temporarily Closed    | Large Temporarily Closed                   | 22°7'32.8152" | 34°6'54.4032" | NBA 2012, CSIR NRIO List 1981 |
| 76       | Klein Brak      | Warm Temperate          | Estuary       | Large Temporarily Closed    | Large Temporarily Closed                   | 22°8'54.9096" | 34°5'34.5840" | NBA 2012, CSIR NRIO List 1981 |
| 77       | Groot Brak      | Warm Temperate          | Estuary       | Large Temporarily Closed    | Large Temporarily Closed                   | 22°14'21.4511" | 34°3'26.1144" | NBA 2012, CSIR NRIO List 1981 |
| 78       | Rooi            | Warm Temperate          | Micro-system  | Micro-outlet                | Micro-outlet                               | 22°17'3.51"  | 34°3'3.31"   | CSIR NRIO List 1981          |
| 79       | Maalgate        | Warm Temperate          | Estuary       | Large Temporarily Closed    | Large Temporarily Closed                   | 22°21'15.9803" | 34°3'15.8039" | NBA 2012, CSIR NRIO List 1981 |
| 80       | Gwaing          | Warm Temperate          | Estuary       | Small Temporarily Closed    | Small Temporarily Closed                   | 22°26'2.90039" | 34°3'23.2883" | NBA 2012, CSIR NRIO List 1981 |
| 81       | Skaapkop        | Warm Temperate          | Micro-system  | Micro-outlet                | Micro-outlet                               | 22°29'55.83" | 34°2'11.21"  | CSIR NRIO List 1981          |
| Outlet # | Estuary name       | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|--------------------|------------------------|---------------|----------------------|---------------------------------------------|---------------|---------------|-----------------------------|
| 82       | Meul               | Warm Temperate         | Micro-system  | Micro-estuary        | Micro-estuary                               | 22°32'35.86" | 34°0'49.26" | CSIR NRIO List 1981        |
| 83       | Cool Temperate 6   | Warm Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 22°32'56.40" | 34°0'18"   | NBA 2018                   |
| 84       | Kaaimans           | Warm Temperate         | Estuary       | Predominantly Open   | Predominantly Open                           | 22°33'25.4015" | 33°59'52.130" | NBA 2012, CSIR NRIO List 1981 |
| 85       | Touw/Wilderness    | Warm Temperate         | Estuary       | Estuarine Lake       | Estuarine Lake                              | 22°34'52.0571" | 33°59'44.728" | NBA 2012, CSIR NRIO List 1981 |
| 86       | Swartvlei          | Warm Temperate         | Estuary       | Estuarine Lake       | Estuarine Lake                              | 22°47'46.5215" | 34°1'53.4576" | NBA 2012, CSIR NRIO List 1981 |
| 87       | Goukamma           | Warm Temperate         | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 22°56'56.8859" | 34°4'37.7795" | NBA 2012, CSIR NRIO List 1981 |
| 88       | Knysna             | Warm Temperate         | Estuary       | Estuarine Bay        | Estuarine Bay                               | 23°3'41.2308" | 34°4'57.7416" | NBA 2012, CSIR NRIO List 1981 |
| 89       | Noetsie            | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 23°7'44.9543" | 34°4'49.0872" | NBA 2012, CSIR NRIO List 1981 |
| 90       | Grooteiland        | Warm Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 23°12'34.55" | 34°5'9.14" | CSIR NRIO List 1981        |
| 91       | Kranshoek          | Warm Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 23°13'30.21" | 34°5'11.69" | CSIR NRIO List 1981        |
| 92       | Crooks             | Warm Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 23°14'44.74" | 34°5'28.92" | CSIR NRIO List 1981        |
| 93       | Piesang            | Warm Temperate         | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 23°22'43.5431" | 34°3'37.6740" | NBA 2012, CSIR NRIO List 1981 |
| 94       | Keurbooms          | Warm Temperate         | Estuary       | Predominantly Open   | Predominantly Open                           | 23°22'41.4732" | 34°2'59.4599" | NBA 2012, CSIR NRIO List 1981 |
| 95       | Matjies            | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 23°28'12.6552" | 34°0'7.07399" | NBA 2012, CSIR NRIO List 1981 |
| 96       | Brak               | Warm Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 23°31'48.00" | 33°59'50.00" | CSIR NRIO List 1981        |
| 97       | Sout (Oos)         | Warm Temperate         | Estuary       | Predominantly Open   | Predominantly Open                           | 23°32'11.5548" | 33°59'22.207" | NBA 2012, CSIR NRIO List 1981 |
| 98       | Groot (Wes)        | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 23°34'9.04799" | 33°58'54.411" | NBA 2012, CSIR NRIO List 1981 |
| 99       | Helpmekaars        | Warm Temperate         | Micro-system  | Micro-outlet         | Micro-outlet                                | 23°35'57.52" | 33°58'48.34" | CSIR NRIO List 1981        |
| Outlet # | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|--------------|-------------------------|---------------|---------------------|---------------------------------------------|---------------|---------------|---------------------------------|
| 100      | Klip         | Warm Temperate          | Micro-system  | Micro-outlet        | Micro-outlet                                | 23°37'1.35"  | 33°58'42.35"  | CSIR NRIO List 1981             |
| 101      | Bloukrans    | Warm Temperate          | Estuary       | Small Fluvially Dominated | Small Fluvially Dominated                  | 23°38'50.8884" | 33°58'46.721" | NBA 2012, CSIR NRIO List 1981   |
| 102      | Witels       | Warm Temperate          | Micro-system  | Micro-outlet        | Micro-outlet                                | 23°42'8.13"  | 33°59'18.40"  | CSIR NRIO List 1981             |
| 103      | Lottering    | Warm Temperate          | Estuary       | Small Fluvially Dominated | Small Fluvially Dominated                  | 23°44'9.41999" | 33°59'43.836" | NBA 2012, CSIR NRIO List 1981   |
| 104      | Elandsbos    | Warm Temperate          | Estuary       | Small Fluvially Dominated | Small Fluvially Dominated                  | 23°46'4.59120" | 34°0'12.6467" | NBA 2012, CSIR NRIO List 1981   |
| 105      | Geelhoutbos  | Warm Temperate          | Micro-system  | Micro-outlet        | Micro-outlet                                | 23°47'8.37"  | 34°0'22.68"  | CSIR NRIO List 1981             |
| 106      | Kleinbos     | Warm Temperate          | Micro-system  | Micro-outlet        | Micro-outlet                                | 23°48'46.99"  | 34°0'42.70"  | CSIR NRIO List 1981             |
| 107      | Storms       | Warm Temperate          | Estuary       | Small Fluvially Dominated | Small Fluvially Dominated                  | 23°54'10.7568" | 34°1'15.5064" | NBA 2012, CSIR NRIO List 1981   |
| 108      | Bruglaagte   | Warm Temperate          | Micro-system  | Micro-outlet        | Micro-outlet                                | 23°56'12.23"  | 34°1'34.57"  | CSIR NRIO List 1981             |
| 109      | Langbos      | Warm Temperate          | Micro-system  | Micro-outlet        | Micro-outlet                                | 23°58'25.39"  | 34°1'58.79"  | CSIR NRIO List 1981             |
| 110      | Sanddrif     | Warm Temperate          | Micro-system  | Micro-outlet        | Micro-outlet                                | 24°0'17.79"  | 34°2'13.07"  | CSIR NRIO List 1981             |
| 111      | Elands       | Warm Temperate          | Estuary       | Small Fluvially Dominated | Small Fluvially Dominated                  | 24°4'44.7096" | 34°2'38.3387" | NBA 2012, CSIR NRIO List 1981   |
| 112      | Groot (Oos)  | Warm Temperate          | Estuary       | Small Fluvially Dominated | Small Fluvially Dominated                  | 24°11'42.0683" | 34°3'35.6219" | NBA 2012, CSIR NRIO List 1981   |
| 113      | Eerste       | Warm Temperate          | Micro-system  | Micro-outlet        | Micro-outlet                                | 24°14'39.96"  | 34°4'41.99"  | CSIR NRIO List 1981             |
| 114      | Klipdrif (Wes)| Warm Temperate         | Micro-system  | Micro-outlet        | Micro-outlet                                | 24°16'28.50"  | 34°5'16.61"  | CSIR NRIO List 1981             |
| 115      | Boskloof     | Warm Temperate          | Micro-system  | Micro-outlet        | Micro-outlet                                | 24°17'41.06"  | 34°5'31.74"  | CSIR NRIO List 1981             |
| 116      | Kaapsedrif   | Warm Temperate          | Micro-system  | Micro-estuary       | Micro-estuary                               | 24°23'13.49"  | 34°6'20.95"  | CSIR NRIO List 1981             |
| 117      | Tsitsikamma  | Warm Temperate          | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 24°26'17.9736" | 34°8'8.13480" | NBA 2012, CSIR NRIO List 1981   |
| Outlet # | Estuary name | Biogeographical region | Estuary class | Natural estuary type         | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|--------|--------------|------------------------|---------------|------------------------------|---------------------------------------------|---------------|---------------|-------------------------------|
| 118    | Klipdrif (Oos)| Warm Temperate          | Estuary       | Small Temporarily Closed     | Small Temporarily Closed                    | 24°38'13.764" | 34°10'20.521" | NBA 2012, CSIR NRIO List 1981 |
| 119    | Slang        | Warm Temperate          | Estuary       | Small Temporarily Closed     | Small Temporarily Closed                    | 24°39'13.3271" | 34°10'26.864" | NBA 2012, CSIR NRIO List 1981 |
| 120    | Kromme       | Warm Temperate          | Estuary       | Predominantly Open           | Predominantly Open                          | 24°50'33.8208" | 34°8'34.6811" | NBA 2012, CSIR NRIO List 1981 |
| 121    | Seekoei      | Warm Temperate          | Estuary       | Large Temporarily Closed     | Large Temporarily Closed                    | 24°54'38.6748" | 34°5'12.0119" | NBA 2012, CSIR NRIO List 1981 |
| 122    | Warm Temperate| Warm Temperate          | Micro-system  | Micro-outlet                 | Micro-outlet                                | 24°55'19.17"  | 34°4'6.66"   | NBA 2018                     |
| 123    | Kabeljous    | Warm Temperate          | Estuary       | Large Temporarily Closed     | Large Temporarily Closed                    | 24°55'57.0108" | 34°0'31.7051" | NBA 2012, CSIR NRIO List 1981 |
| 124    | Gamtoos      | Warm Temperate          | Estuary       | Predominantly Open           | Predominantly Open                          | 25°2'4.97040" | 33°58'13.529" | NBA 2012, CSIR NRIO List 1981 |
| 125    | Van Stadens  | Warm Temperate          | Estuary       | Large Temporarily Closed     | Large Temporarily Closed                    | 25°13'13.2455" | 33°58'13.994" | NBA 2012, CSIR NRIO List 1981 |
| 126    | Maitland     | Warm Temperate          | Estuary       | Large Temporarily Closed     | Large Temporarily Closed                    | 25°17'31.0271" | 33°59'16.933" | NBA 2012, CSIR NRIO List 1981 |
| 127    | Baakens      | Warm Temperate          | Estuary       | Small Temporarily Closed     | Predominantly Open                          | 25°37'48.0468" | 33°57'49.427" | NBA 2012, CSIR NRIO List 1981 |
| 128    | Papkuils     | Warm Temperate          | Estuary       | Small Temporarily Closed     | Predominantly Open                          | 25°36'49.9896" | 33°55'2.2548" | NBA 2012, CSIR NRIO List 1981 |
| 129    | Swartkops    | Warm Temperate          | Estuary       | Predominantly Open           | Predominantly Open                          | 25°37'58.9619" | 33°51'58.481" | NBA 2012, CSIR NRIO List 1981 |
| 130    | Coega (Ngqurha)| Warm Temperate          | Estuary       | Large Temporarily Closed     | Large Temporarily Closed                    | 25°41'26.6604" | 33°47'43.368" | NBA 2012, CSIR NRIO List 1981 |
| 131    | Sundays      | Warm Temperate          | Estuary       | Predominantly Open           | Predominantly Open                          | 25°51'13.4100" | 33°43'18.609" | NBA 2012, CSIR NRIO List 1981 |
| 132    | Boknes       | Warm Temperate          | Estuary       | Small Temporarily Closed     | Small Temporarily Closed                    | 26°35'10.5396" | 33°43'37.822" | NBA 2012, CSIR NRIO List 1981 |
| 133    | Bushmans     | Warm Temperate          | Estuary       | Predominantly Open           | Predominantly Open                          | 26°39'49.0392" | 33°41'41.697" | NBA 2012, CSIR NRIO List 1981 |
| 134    | Kariega      | Warm Temperate          | Estuary       | Predominantly Open           | Predominantly Open                          | 26°41'11.0364" | 33°40'57.975" | NBA 2012, CSIR NRIO List 1981 |
| 135    | Grant’s      | Warm Temperate          | Estuary       | Small Temporarily Closed     | Small Temporarily Closed                    | 26°42'10.872"  | 33°40'10.412" | EC Cons Plan                 |
| 136    | Kasouga      | Warm Temperate          | Estuary       | Large Temporarily Closed     | Large Temporarily Closed                    | 26°44'7.07280" | 33°39'14.741" | NBA 2012, CSIR NRIO List 1981 |
| Outlet # | Estuary name       | Biogeographical region | Estuary class | Natural estuary type         | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name              |
|----------|--------------------|------------------------|---------------|-------------------------------|---------------------------------------------|---------------|---------------|---------------------------------------------|
| 137      | Salt               | Warm Temperate         | Micro-system  | Micro-estuary                 | Micro-estuary                              | 26°52'55"    | 33°36'54"    | Whitfield and Baliwe 2013                  |
| 138      | Kowie              | Warm Temperate         | Estuary       | Predominantly Open            | Predominantly Open                          | 26°54'8.8240"| 33°36'13.053"| NBA 2012, CSIR NRIO List 1981             |
| 139      | Rufane             | Warm Temperate         | Estuary       | Small Temporarily Closed      | Small Temporarily Closed                    | 26°56'8.97719"| 33°34'50.995"| NBA 2012, CSIR NRIO List 1981             |
| 140      | Riet               | Warm Temperate         | Estuary       | Small Temporarily Closed      | Small Temporarily Closed                    | 27°0'49.8671"| 33°33'40.330"| NBA 2012, CSIR NRIO List 1981             |
| 141      | West Kleinemonde   | Warm Temperate         | Estuary       | Large Temporarily Closed      | Large Temporarily Closed                    | 27°2'46.1471"| 33°32'28.845"| NBA 2012, CSIR NRIO List 1981             |
| 142      | East Kleinemonde   | Warm Temperate         | Estuary       | Large Temporarily Closed      | Large Temporarily Closed                    | 27°2'57.5699"| 33°32'20.493"| NBA 2012, CSIR NRIO List 1981             |
| 143      | Klein Palmiet      | Warm Temperate         | Micro-system  | Micro-estuary                 | Micro-estuary                              | 27°7'30.5795"| 33°30'25.257"| NBA 2012, CSIR NRIO List 1981             |
| 144      | Great Fish         | Warm Temperate         | Estuary       | Predominantly Open            | Predominantly Open                          | 27°8'26.4624"| 33°29'42.820"| NBA 2012, CSIR NRIO List 1981             |
| 145      | Old Woman's        | Warm Temperate         | Estuary       | Large Temporarily Closed      | Large Temporarily Closed                    | 27°8'53.0520"| 33°28'57.975"| NBA 2012, CSIR NRIO List 1981             |
| 146      | Thatshana          | Warm Temperate         | Micro-system  | Micro-estuary                 | Micro-estuary                              | 27°11'11.80"| 33°27'47.74"| CSIR NRIO List 1981                      |
| 147      | Mpekweni           | Warm Temperate         | Estuary       | Large Temporarily Closed      | Large Temporarily Closed                    | 27°13'52.236"| 33°26'16.843"| NBA 2012, CSIR NRIO List 1981             |
| 148      | Mtati (Mthathi)    | Warm Temperate         | Estuary       | Large Temporarily Closed      | Large Temporarily Closed                    | 27°15'32.6591"| 33°25'22.360"| NBA 2012, CSIR NRIO List 1981             |
| 149      | Mgwalana           | Warm Temperate         | Estuary       | Large Temporarily Closed      | Large Temporarily Closed                    | 27°16'27.1704"| 33°24'46.886"| NBA 2012, CSIR NRIO List 1981             |
| 150      | Bira (Bhirha)      | Warm Temperate         | Estuary       | Large Temporarily Closed      | Large Temporarily Closed                    | 27°19'33.7116"| 33°23'1.5360"| NBA 2012, CSIR NRIO List 1981             |
| 151      | Gqutywa            | Warm Temperate         | Estuary       | Large Temporarily Closed      | Large Temporarily Closed                    | 27°21'29.0844"| 33°21'45"| NBA 2012, CSIR NRIO List 1981             |
| 152      | Ngculura (Ngculurha)| Warm Temperate         | Estuary       | Small Temporarily Closed      | Small Temporarily Closed                    | 27°22'4.49760"| 33°21'29.077"| NBA 2012, CSIR NRIO List 1981             |
| 153      | Blue Krans         | Warm Temperate         | Micro-system  | Micro-outlet                  | Micro-outlet                               | 27°22'36.7139"| 33°21'15.771"| NBA 2012, CSIR NRIO List 1981             |
| 154      | Freshwater Poort   | Warm Temperate         | Micro-system  | Micro-outlet                  | Micro-outlet                               | 27°24'50.4287"| 33°20'6.1763"| EC Cons Switch names                     |
| Outlet # | Estuary name       | Biogeographical region | Estuary class | Natural estuary type                  | Present transformed functional estuary type | East DD MM SS          | South DD MM SS          | Project/origin of data set/name |
|----------|--------------------|------------------------|---------------|---------------------------------------|---------------------------------------------|------------------------|------------------------|---------------------------|
| 155      | Mtana              | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                     | 27°25'55.7940"        | 33°19'6.9779"          | NBA 2012, CSIR NRIO List 1981 |
| 156      | Keiskamma          | Warm Temperate         | Estuary       | Predominantly Open                    | Predominantly Open                           | 27°29'28.4388"        | 33°16'53.328"          | NBA 2012, CSIR NRIO List 1981 |
| 157      | Shwele-Shwele      | Warm Temperate         | Mic-system    | Micro-estuary                         | Micro-estuary                               | 27°31'19.3584"        | 33°15'36.460"          | CSIR NRIO List 1981      |
| 158      | Nqinisa            | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                     | 27°31'40.5696"        | 33°15'9.8603"          | NBA 2012, CSIR NRIO List 1981 |
| 159      | Kiwane (Khiwane)   | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                     | 27°32'35.4012"        | 33°14'53.887"          | NBA 2012, CSIR NRIO List 1981 |
| 160      | Tyolomnqa          | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                     | 27°35'0.31560"        | 33°13'32.779"          | NBA 2012, CSIR NRIO List 1981 |
| 161      | Shelbertsstrom     | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                     | 27°36'56.3903"        | 33°12'25.527"          | NBA 2012, CSIR NRIO List 1981 |
| 162      | Lilyvale           | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                     | 27°38'12.8723"        | 33°11'34.270"          | NBA 2012, CSIR NRIO List 1981 |
| 163      | Ross' Creek        | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                     | 27°39'27.6192"        | 33°10'36.325"          | NBA 2012, CSIR NRIO List 1981 |
| 164      | Ncera (Ncerha)     | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                     | 27°40'5.51460"        | 33°10'12.417"          | NBA 2012, CSIR NRIO List 1981 |
| 165      | Milele             | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                     | 27°40'47.8631"        | 33°9'34.963"           | NBA 2012, CSIR NRIO List 1981 |
| 166      | Mcantsi            | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                     | 27°42'7.11719"        | 33°8'43.832"           | NBA 2012, CSIR NRIO List 1981 |
| 167      | Gxulu              | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                     | 27°43'53.3675"        | 33°7'8.0579"           | NBA 2012, CSIR NRIO List 1981 |
| 168      | Goda               | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                     | 27°46'30.1188"        | 33°6'3.9239"           | NBA 2012, CSIR NRIO List 1981 |
| 169      | Hlozi              | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                     | 27°48'42.7788"        | 33°5'8.1491"           | NBA 2012, CSIR NRIO List 1981 |
| 170      | Hickman's          | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                     | 27°50'22.8767"        | 33°4'14.984"           | NBA 2012, CSIR NRIO List 1981 |
| 171      | Mvubukazi          | Warm Temperate         | Micro-system  | Micro-estuary                         | Micro-estuary                               | 27°50'33.7163"        | 33°4'11.9964"          | CSIR NRIO List 1981      |
| 172      | Ngqenga            | Warm Temperate         | Micro-system  | Micro-estuary                         | Micro-estuary                               | 27°51'53.5968"        | 33°3'22.7988"          | CSIR NRIO List 1981      |
| Outlet # | Estuary name       | Biogeographical region | Estuary class | Natural estuary type       | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|--------------------|------------------------|---------------|-----------------------------|---------------------------------------------|---------------|---------------|----------------------------------|
| 173      | Buffalo            | Warm Temperate         | Estuary       | Predominantly Open          | Predominantly Open                         | 27°54'58.7448" | 33°1'36.476" | NBA 2012, CSIR NRIO List 1981 |
| 174      | Blind              | Warm Temperate         | Estuary       | Small Temporarily Closed    | Small Temporarily Closed                    | 27°55'39.6983" | 33°00'25"   | NBA 2012, CSIR NRIO List 1981 |
| 175      | Hlaze (iHlanze)    | Warm Temperate         | Estuary       | Small Temporarily Closed    | Small Temporarily Closed                    | 27°56'57.6816" | 32°59'21.231"| NBA 2012, CSIR NRIO List 1981 |
| 176      | Nahoon             | Warm Temperate         | Estuary       | Predominantly Open          | Predominantly Open                          | 27°57'6.13439" | 32°59'11.176"| NBA 2012, CSIR NRIO List 1981 |
| 177      | Qinira (Quinirha)  | Warm Temperate         | Estuary       | Large Temporarily Closed    | Large Temporarily Closed                    | 27°57'53.3987" | 32°58'27.130"| NBA 2012, CSIR NRIO List 1981 |
| 178      | Gqunube            | Warm Temperate         | Estuary       | Predominantly Open          | Predominantly Open                          | 28°2'5.63639"  | 32°56'1.9535"| NBA 2012, CSIR NRIO List 1981 |
| 179      | Khesani            | Warm Temperate         | Micro-system  | Micro-estuary               | Micro-estuary                               | 28°02'13"      | 32°55'51"    | Whitfield and Baliwe 2013      |
| 180      | Kwelera (Kwelerha) | Warm Temperate         | Estuary       | Predominantly Open          | Predominantly Open                          | 28°4'37.2072"  | 32°54'26.495"| NBA 2012, CSIR NRIO List 1981 |
| 181      | Bulura (Bulurha)   | Warm Temperate         | Estuary       | Large Temporarily Closed    | Large Temporarily Closed                    | 28°5'36.2076"  | 32°53'28.805"| NBA 2012, CSIR NRIO List 1981 |
| 182      | Stromatolite       | Warm Temperate         | Micro-system  | Micro-outlet                | Micro-outlet                                | 28°06'32"      | 32°51'43"    | Whitfield and Baliwe 2013      |
| 183      | Cunge              | Warm Temperate         | Estuary       | Small Temporarily Closed    | Small Temporarily Closed                    | 28°6'37.5263"  | 32°51'39.157"| NBA 2012, CSIR NRIO List 1981 |
| 184      | Cintsa             | Warm Temperate         | Estuary       | Large Temporarily Closed    | Large Temporarily Closed                    | 28°7'1.35839"  | 32°49'53.155"| NBA 2012, CSIR NRIO List 1981 |
| 185      | Cefane             | Warm Temperate         | Estuary       | Large Temporarily Closed    | Large Temporarily Closed                    | 28°8'13.5528"  | 32°48'34.070"| NBA 2012, CSIR NRIO List 1981 |
| 186      | Kwenxura (Kwenxurha)| Warm Temperate         | Estuary       | Large Temporarily Closed    | Large Temporarily Closed                    | 28°9'5.71680"  | 32°47'55.589"| NBA 2012, CSIR NRIO List 1981 |
| 187      | Nyara (Nyarha)     | Warm Temperate         | Estuary       | Large Temporarily Closed    | Large Temporarily Closed                    | 28°10'55.2611" | 32°47'6.8279"| NBA 2012, CSIR NRIO List 1981 |
| 188      | Sandy bottom       | Warm Temperate         | Micro-system  | Micro-outlet                | Micro-outlet                                | 28°11'34"      | 32°46'34"    | Whitfield and Baliwe 2013      |
| 189      | Imtwendwe (Mtwendwe)| Warm Temperate         | Estuary       | Small Temporarily Closed    | Small Temporarily Closed                    | 28°14'13.1135" | 32°46'12.133"| CSIR NRIO List 1981          |
| 190      | Haga-haga          | Warm Temperate         | Estuary       | Small Temporarily Closed    | Small Temporarily Closed                    | 28°15'11.4659" | 32°45'42.901"| CSIR NRIO List 1981          |
| 191      | Palm Tree          | Warm Temperate         | Micro-system  | Micro-outlet                | Micro-outlet                                | 28°16'15"      | 32°45'20"    | Whitfield and Baliwe 2013      |
| Outlet # | Estuary name         | Biogeographical region | Estuary class | Natural estuary type                  | Present transformed functional estuary type | East DD MM SS          | South DD MM SS         | Project/origin of data set/name |
|---------|----------------------|------------------------|---------------|---------------------------------------|---------------------------------------------|------------------------|------------------------|---------------------------|
| 192     | Mtendwe              | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                    | 28°17'9.04920"       | 32°44'26.836"          | NBA 2012, CSIR NRIO List 1981 |
| 193     | Black Rock           | Warm Temperate         | Micro-system  | Micro-outlet                          | Micro-outlet                                | 28°17'18"            | 32°44'17"             | Whitfield and Baliwe 2013   |
| 194     | Quko                 | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                    | 28°18'34.3367"       | 32°43'32.303"          | NBA 2012, CSIR NRIO List 1981 |
| 195     | Morgan               | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                    | 28°20'38.5691"       | 32°42'30.949"          | NBA 2012, CSIR NRIO List 1981 |
| 196     | Cwili                | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                    | 28°22'25.4531"       | 32°41'27.214"          | NBA 2012, CSIR NRIO List 1981 |
| 197     | Great Kei            | Warm Temperate         | Estuary       | Large Fluvially Dominated             | Large Fluvially Dominated                   | 28°23'9.47040"       | 32°40'47.593"          | NBA 2012, CSIR NRIO List 1981 |
| 198     | Gxara (Gxarha)       | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                    | 28°23'56.8679"       | 32°39'58.168"          | NBA 2012, CSIR NRIO List 1981 |
| 199     | Gqwara               | Warm Temperate         | Micro-system  | Micro-outlet                          | Micro-outlet                                | 28°24'45.07"         | 32°39'30.25"           | Whitfield and Baliwe 2013   |
| 200     | Ngogwane             | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                    | 28°25'17.91"         | 32°38'55.31"           | NBA 2012, CSIR NRIO List 1981 |
| 201     | Qolora (Qolorha)     | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                    | 28°26'5.79"          | 32°37'47.70"           | NBA 2012, CSIR NRIO List 1981 |
| 202     | Ncizele              | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                    | 28°26'16.68"         | 32°37'42.50"           | NBA 2012, CSIR NRIO List 1981 |
| 203     | Timba                | Warm Temperate         | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                    | 28°26'45.16"         | 32°37'31.65"           | NBA 2012, CSIR NRIO List 1981 |
| 204     | Mbokotwana           | Warm Temperate         | Micro-system  | Micro-estuary                         | Micro-estuary                               | 28°27'17.44"         | 32°37'20.21"           | CSIR NRIO List 1981       |
| 205     | Kobonqaba (Khobonqaba)| Warm Temperate         | Estuary       | Predominantly Open                    | Predominantly Open                          | 28°29'25.2924"       | 32°36'28.209"          | NBA 2012, CSIR NRIO List 1981 |
| 206     | Nxaxo/Ngqusi         | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                    | 28°31'34.5323"       | 32°35'5.0315"          | NBA 2012, CSIR NRIO List 1981 |
| 207     | Masiminana           | Warm Temperate         | Micro-system  | Micro-estuary                         | Micro-estuary                               | 28°33'16.55"         | 32°33'5.19"            | CSIR NRIO List 1981       |
| 208     | Cebe                 | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                    | 28°35'8.97719"       | 32°31'16.273"          | NBA 2012, CSIR NRIO List 1981 |
| 209     | Gqunqe               | Warm Temperate         | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                    | 28°35'22.2396"       | 32°31'7.6836"          | NBA 2012, CSIR NRIO List 1981 |
| Outlet # W to E | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------------|--------------|------------------------|---------------|---------------------|--------------------------------------------|--------------|--------------|--------------------------------|
| 210            | Zalu         | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°36'11.2572" | 32°30'9.5183" | NBA 2012, CSIR NRIO List 1981 |
| 211            | Ngqwara      | Warm Temperate         | Estuary       | Large Temporarily Closed | Large Temporarily Closed                    | 28°36'50.6016" | 32°29'39.138" | NBA 2012, CSIR NRIO List 1981 |
| 212            | Sihlontlweni | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°38'41.3627" | 32°28'52.957" | NBA 2012, CSIR NRIO List 1981 |
| 213            | Nebelele     | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°39'21.3480" | 32°27'45.575" | NBA 2012, CSIR NRIO List 1981 |
| 214            | Qora (Qhorha)| Warm Temperate         | Estuary       | Predominantly Open      | Predominantly Open                          | 28°40'24.4740" | 32°26'46.932" | NBA 2012, CSIR NRIO List 1981 |
| 215            | Warm Temperate 2 | Warm Temperate         | Micro-system  | Micro-estuary          | Micro-estuary                              | 28°41'4.61" | 32°26'19.03" | NBA2018 |
| 216            | Jujura (Juju)ra | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°41'38.2596" | 32°25'51.960" | NBA 2012, CSIR NRIO List 1981 |
| 217            | Ngadla       | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°42'31.2515" | 32°25'6.0599" | NBA 2012, CSIR NRIO List 1981 |
| 218            | Warm Temperate 3 | Warm Temperate         | Micro-system  | Micro-outlet           | Micro-outlet                               | 28°43'2.29" | 32°24'41.13" | NBA2018 |
| 219            | Shixini      | Warm Temperate         | Estuary       | Predominantly Open      | Predominantly Open                          | 28°43'31.8467" | 32°24'11.163" | NBA 2012, CSIR NRIO List 1981 |
| 220            | Beechamwood  | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°45'7.4839" | 32°22'29.492" | NBA 2012, CSIR NRIO List 1981 |
| 221            | Kwazlelitsha (Kwazwedala) | Warm Temperate       | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°45'29.4371" | 32°22'12.151" | CSIR NRIO List 1981 |
| 222            | Kwa-Gogo     | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°45'41.539" | 32°21'59.050" | NBA 2012, CSIR NRIO List 1981 |
| 223            | Ku-Nocekedwa | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°46'40.0655" | 32°20'55.766" | NBA 2012, CSIR NRIO List 1981 |
| 224            | Nqabara/Nqabara na | Warm Temperate       | Estuary       | Predominantly Open      | Predominantly Open                          | 28°47'25.1915" | 32°20'22.970" | NBA 2012, CSIR NRIO List 1981 |
| 225            | Gume         | Warm Temperate         | Micro-system  | Micro-outlet           | Micro-outlet                               | 28°48'58.97" | 32°19'15.01" | CSIR NRIO List 1981 |
| 226            | Ngomane      | Warm Temperate         | Micro-system  | Micro-outlet           | Micro-outlet                               | 28°49'32.38" | 32°18'48.76" | CSIR NRIO List 1981 |
| 227            | Ngomane (East) | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°49'46.22" | 32°18'18.95" | EC Cons Plan |
| 228            | Ngoma/Kobule | Warm Temperate         | Estuary       | Small Temporarily Closed | Small Temporarily Closed                    | 28°50'14.3195" | 32°18'4.1868" | NBA 2012, CSIR NRIO List 1981 |
| Outlet # | Estuary name         | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|----------------------|------------------------|---------------|----------------------|-------------------------------------------|---------------|---------------|-----------------------------|
| 229      | Dwesana              | Warm Temperate         | Micro-system  | Micro-estuary        | Micro-estuary                             | 28°52'27"    | 32°16'56"    | CSIR NRIO List 1981         |
| 230      | Mendu                | Warm Temperate         | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 28°52'40.0332" | 32°16'51.297" | NBA 2012, CSIR NRIO List 1981 |
| 231      | Mendwana             | Warm Temperate         | Estuary       | Predominantly Open    | Predominantly Open                        | 28°53'3.25679" | 32°16'8.1336" | NBA 2012, CSIR NRIO List 1981 |
| 232      | Warm Temperate 4     | Warm Temperate         | Micro-system  | Micro-outlet          | Micro-outlet                              | 28°53'24.33" | 32°15'45.67" | Whitfield and Baliwe 2013   |
| 233      | Mbashe               | Subtropical            | Estuary       | Large Fluvially Dominated | Large Fluvially Dominated                | 28°54'6.84359" | 32°14'59.946" | NBA 2012, CSIR NRIO List 1981 |
| 234      | Ku-Mpenzu            | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 28°54'1.9012" | 32°14'37.777" | NBA 2012, CSIR NRIO List 1981 |
| 235      | Ku-Bhula (Mbhanyana) | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 28°55'40.8108" | 32°13'41.185" | NBA 2012, CSIR NRIO List 1981 |
| 236      | Dakana               | Subtropical            | Micro-system  | Micro-estuary         | Micro-estuary                             | 28°56'17.94" | 32°13'13.91" | CSIR NRIO List 1981         |
| 237      | Subtropical 1        | Subtropical            | Micro-system  | Micro-outlet          | Micro-outlet                              | 28°56'35.68" | 32°12'48.22" | NBA 2018                   |
| 238      | Kwa-Suku             | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 28°56'48.78" | 32°12'19.06" | CSIR NRIO List 1981         |
| 239      | Ntlonyane            | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 28°57'23.9832" | 32°11'40.930" | NBA 2012, CSIR NRIO List 1981 |
| 240      | Nyumbazana           | Subtropical            | Micro-system  | Micro-estuary         | Micro-estuary                             | 28°57'42.26" | 32°11'16.22" | CSIR NRIO List 1981         |
| 241      | Nkanya               | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 28°58'29.4888" | 32°10'39"   | NBA 2012, CSIR NRIO List 1981 |
| 242      | Sundwana             | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 28°58'55.1280" | 32°10'24.330" | NBA 2012, CSIR NRIO List 1981 |
| 243      | Xora                 | Subtropical            | Estuary       | Predominantly Open     | Predominantly Open                        | 28°59'44.1059" | 32°9.31.082" | NBA 2012, CSIR NRIO List 1981 |
| 244      | Bulungula            | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 29°0.41.4647" | 32°8.16.828" | NBA 2012, CSIR NRIO List 1981 |
| 245      | Ku-Amanzimuzama      | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°2.0.17159" | 32°6.53.729" | NBA 2012, CSIR NRIO List 1981 |
| 246      | Subtropical 2        | Subtropical            | Micro-system  | Micro-outlet          | Micro-outlet                              | 29°2'0.246"  | 32°6'23"     | Whitfield and Baliwe 2013   |
| 247      | Nqakanqa             | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°3'44.7119" | 32°5'55.1003" | NBA 2012, CSIR NRIO List 1981 |
| Outlet # W to E | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------------|--------------|-------------------------|---------------|----------------------|-------------------------------------------|---------------|---------------|--------------------------------|
| 248            | Mdikana      | Subtropical             | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°4'9.60240" | 32°5'18.9023" | NBA 2012, CSIR NRIO List 1981 |
| 249            | Mncwasa      | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 29°4'33.8772" | 32°4'57.741"  | NBA 2012, CSIR NRIO List 1981 |
| 250            | Lubanzi      | Subtropical             | Micro-system  | Micro-outlet          | Micro-outlet                              | 29°5'10.83"   | 32°4'28.38"   | CSIR NRIO List 1981           |
| 251            | Mhlalane     | Subtropical             | Micro-system  | Micro-outlet          | Micro-outlet                              | 29°5'14.87"   | 32°3'50.23"   | CSIR NRIO List 1981           |
| 252            | Mhlahlane    | Subtropical             | Micro-system  | Micro-outlet          | Micro-outlet                              | 29°5'59.9"    | 32°3'6.119"   | EC Cons                  |
| 253            | Mpako        | Subtropical             | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°6'27.7019" | 32°2'24.853"  | NBA 2012, CSIR NRIO List 1981 |
| 254            | Mtonjane     | Subtropical             | Micro-system  | Micro-estuary         | Micro-estuary                             | 29°6'43.31"   | 32°1'59.85"   | Whitfield and Baliwe 2013   |
| 255            | Subtropical 3 | Subtropical             | Micro-system  | Micro-outlet          | Micro-outlet                              | 29°7'30"      | 32°1'14"      | Whitfield and Baliwe 2013   |
| 256            | Subtropical 4 | Subtropical             | Micro-system  | Micro-outlet          | Micro-outlet                              | 29°7'46"      | 32°1'1"       | Whitfield and Baliwe 2013   |
| 257            | Subtropical 5 | Subtropical             | Micro-system  | Micro-outlet          | Micro-outlet                              | 29°8'13"      | 31°59'44"     | Whitfield and Baliwe 2013   |
| 258            | Ku-Bomvu     | Subtropical             | Micro-system  | Micro-estuary         | Micro-estuary                             | 29°8'56.27"   | 31°59'19.46"  | CSIR NRIO List 1981, EC Cons |
| 259            | Nenga        | Subtropical             | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°9'6.51600" | 31°59'7.7460" | NBA 2012, CSIR NRIO List 1981 |
| 260            | Mapuzi       | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 29°10'7.37759" | 31°58'11.812" | NBA 2012, CSIR NRIO List 1981 |
| 261            | Mtata        | Subtropical             | Estuary       | Predominantly Open    | Predominantly Open                        | 29°11'1.52880" | 31°57'10.666" | NBA 2012, CSIR NRIO List 1981 |
| 262            | Thsani       | Subtropical             | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°12'31.8960" | 31°56'41.855" | NBA 2012, CSIR NRIO List 1981 |
| 263            | Mdumbi       | Subtropical             | Estuary       | Predominantly Open    | Predominantly Open                        | 29°12'58.6763" | 31°55'53.220" | NBA 2012, CSIR NRIO List 1981 |
| 264            | Subtropical 6 | Subtropical             | Micro-system  | Micro-outlet          | Micro-outlet                              | 29°13'29"     | 31°55'30"     | Whitfield and Baliwe 2013   |
| 265            | Subtropical 7 | Subtropical             | Micro-system  | Micro-outlet          | Micro-outlet                              | 29°13'37"     | 31°55'25"     | Whitfield and Baliwe 2013   |
| Outlet # W to E | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------------|---------------|------------------------|---------------|---------------------|------------------------------------------|--------------|--------------|--------------------------------|
| 266            | Subtropical 8 | Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                             | 29°13'40"  | 31°55'8"    | Whitfield and Baliwe 2013     |
| 267            | Subtropical 9 | Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                             | 29°14'03"  | 31°54'44"   | Whitfield and Baliwe 2013     |
| 268            | Subtropical 10| Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                             | 29°14'12"  | 31°54'30"   | Whitfield and Baliwe 2013     |
| 269            | Lwandilana    | Subtropical Estuary    | Small Temporarily Closed | Small Temporarily Closed | 29°14'38.1300"  | 31°53'46.312" | NBA 2012, CSIR NRIO List 1981 |
| 270            | Lwandile      | Subtropical Estuary    | Large Temporarily Closed | Large Temporarily Closed | 29°14'51.1296" | 31°53'27.401" | NBA 2012, CSIR NRIO List 1981 |
| 271            | Subtropical 11| Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                             | 29°15'41"  | 31°52'46"   | Whitfield and Baliwe 2013     |
| 272            | Subtropical 12| Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                             | 29°15'45"  | 31°52'27"   | Whitfield and Baliwe 2013     |
| 273            | Subtropical 13| Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                             | 29°15'44"  | 31°52'13"   | Whitfield and Baliwe 2013     |
| 274            | Mtakatye      | Subtropical Estuary    | Predominantly Open | Predominantly Open | 29°16'12.8892" | 31°51'33.371" | NBA 2012, CSIR NRIO List 1981 |
| 275            | Subtropical 14| Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                             | 29°17'27"  | 31°50'26"   | Whitfield and Baliwe 2013     |
| 276            | Hluleka       | Subtropical Estuary    | Small Temporarily Closed | Small Temporarily Closed | 29°18'13.0032" | 31°49'38.668" | NBA 2012, CSIR NRIO List 1981 |
| 277            | Mmene         | Subtropical Estuary    | Large Temporarily Closed | Large Temporarily Closed | 29°19'48.3239" | 31°48'27.223" | NBA 2012, CSIR NRIO List 1981 |
| 278            | Mtonga        | Subtropical Estuary    | Large Temporarily Closed | Large Temporarily Closed | 29°20'53.8475" | 31°47'35.739" | CSIR NRIO List 1981         |
| 279            | Subtropical 15| Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                             | 29°21'13"  | 31°46'50"   | Whitfield and Baliwe 2013     |
| 280            | Subtropical 16| Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                             | 29°21'14"  | 31°46'8"    | Whitfield and Baliwe 2013     |
| 281            | Mpande        | Subtropical Estuary    | Large Temporarily Closed | Large Temporarily Closed | 29°21'25.7148" | 31°45'44.096" | NBA 2012, CSIR NRIO List 1981 |
| 282            | Sinangwana    | Subtropical Estuary    | Small Temporarily Closed | Small Temporarily Closed | 29°22'11.6183" | 31°45'1.7928" | NBA 2012, CSIR NRIO List 1981 |
| 283            | Ndluzula      | Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                             | 29°23'13.99"| 31°44'28.08" | CSIR NRIO List 1981         |
| 284            | Mngazana      | Subtropical Estuary    | Predominantly Open | Predominantly Open | 29°25'22.2996" | 31°41'31.837" | NBA 2012, CSIR NRIO List 1981 |
| Outlet # W to E | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------------|--------------|------------------------|---------------|---------------------|-------------------------------------------|----------------|----------------|---------------------------------|
| 285            | Mngazi       | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                         | 29°27'47.2824" | 31°40'37.862" | NBA 2012, CSIR NRIO List 1981                  |
| 286            | Tyityane     | Subtropical            | Micro-system  | Micro-outlet         | Micro-outlet                                | 29°29'29.66"  | 31°40'5.43"   | CSIR NRIO List 1981                      |
| 287            | Ntloloba     | Subtropical            | Micro-system  | Micro-outlet         | Micro-outlet                                | 29°30'3.59"   | 31°39'33.81"  | CSIR NRIO List 1981                      |
| 288            | Gxwaleni     | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                         | 29°30'24.8148" | 31°39'19.706" | CSIR NRIO List 1981                      |
| 289            | Bulolo       | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                         | 29°31'3.89639" | 31°39'2.4515" | NBA 2012, CSIR NRIO List 1981                  |
| 290            | Mtumbane     | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                         | 29°31'13.7316" | 31°38'52.306" | NBA 2012, CSIR NRIO List 1981                  |
| 291            | Mzimvubu     | Subtropical            | Estuary       | Large Fluvially Dominated | Large Fluvially Dominated                        | 29°32'59.7443" | 31°37'52.107" | NBA 2012, CSIR NRIO List 1981                  |
| 292            | Mnenga       | Subtropical            | Micro-system  | Micro-outlet         | Micro-outlet                                | 29°34'5.42"   | 31°37'0.66"   | CSIR NRIO List 1981                      |
| 293            | Ntupeni      | Subtropical            | Micro-system  | Micro-estuary       | Micro-estuary                                | 29°34'27"     | 31°36'47"     | CSIR NRIO List 1981                      |
| 294            | Ntlupeni     | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                         | 29°34'52.419" | 31°36'32.263" | NBA 2012, CSIR NRIO List 1981                  |
| 295            | Manzana      | Subtropical            | Micro-system  | Micro-outlet         | Micro-outlet                                | 29°36'4.16"   | 31°36'1.38"   | CSIR NRIO List 1981                      |
| 296            | Nkodusweni   | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                         | 29°36'29.39"  | 31°35'39.42"  | NBA 2012, CSIR NRIO List 1981                  |
| 297            | Gugu         | Subtropical            | Micro-system  | Micro-estuary       | Micro-estuary                                | 29°36'58.63"  | 31°35'6.44"   | CSIR NRIO List 1981                      |
| 298            | Subtropical 17 | Subtropical       | Micro-system  | Micro-outlet         | Micro-outlet                                | 29°37'39"     | 31°34'39"     | Whitfield and Baliwe 2013                 |
| 299            | Subtropical 18 | Subtropical       | Micro-system  | Micro-outlet         | Micro-outlet                                | 29°37'39"     | 31°34'35"     | Whitfield and Baliwe 2013                 |
| 300            | Mntafufu     | Subtropical            | Estuary       | Predominantly Open   | Predominantly Open                           | 29°38'15.8244" | 31°33'45.068" | NBA 2012, CSIR NRIO List 1981                  |
| 301            | Subtropical 19 | Subtropical       | Micro-system  | Micro-outlet         | Micro-outlet                                | 29°38'47"     | 31°33'22"     | Whitfield and Baliwe 2013                 |
| 302            | Subtropical 20 | Subtropical       | Micro-system  | Micro-outlet         | Micro-outlet                                | 29°39'05"     | 31°33'17"     | Whitfield and Baliwe 2013                 |
| 303            | Ingo         | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                         | 29°39'38.90"  | 31°32'56.92"  | CSIR NRIO List 1981                      |
| Outlet # | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|---------|--------------|------------------------|---------------|---------------------|---------------------------------------------|--------------|---------------|----------------------------------|
| 304     | Ntyivini     | Subtropical            | Micro-system  | Micro-estuary       | Micro-estuary                              | 29°40'3.39"  | 31°32'41.01" | CSIR NRIO List 1981              |
| 305     | Dakane       | Subtropical            | Micro-system  | Micro-estuary       | Micro-estuary                              | 29°40'43.51" | 31°32'6.49"  | CSIR NRIO List 1981              |
| 306     | Mzintla     | Subtropical            | Estuary       | Predominantly Open  | Predominantly Open                          | 29°41'23.2475" | 31°31'21.518" | NBA 2012, CSIR NRIO List 1981 |
| 307     | Mguga        | Subtropical            | Micro-system  | Micro-estuary       | Micro-estuary                              | 29°41'51.93" | 31°30'45.14" | CSIR NRIO List 1981              |
| 308     | Subtropical 21 | Subtropical         | Micro-system  | Micro-estuary       | Micro-estuary                              | 29°42'26.88" | 31°30'12.20" | NBA 2018                          |
| 309     | Subtropical 22 | Subtropical         | Micro-system  | Micro-estuary       | Micro-estuary                              | 29°42'54.95" | 31°29'39.81" | NBA 2019                          |
| 310     | Mzimpunzi   | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°43'23.1816" | 31°28'47.852" | NBA 2012, CSIR NRIO List 1981 |
| 311     | Kwanyambalala | Subtropical          | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°44'3.07"  | 31°28'5.0245" | CSIR NRIO List 1981              |
| 312     | Mbotyi     | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°44'3.56"  | 31°28'0.624"  | NBA 2012, CSIR NRIO List 1981   |
| 313     | Subtropical 23 | Subtropical         | Micro-system  | Micro-outlet        | Micro-outlet                               | 29°45'17"    | 31°27'4"     | Whitfield and Baliwe 2013       |
| 314     | Mkozi       | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°45'41.6663" | 31°26'54.722" | NBA 2012, CSIR NRIO List 1981 |
| 315     | Myekane     | Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                               | 29°45'55"    | 31°26'47"    | Eastern Cape Conservation Plan  |
| 316     | Sitaksha    | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 29°46'6"     | 31°26'42"    | CSIR NRIO List 1981              |
| 317     | Sitatsha    | Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                               | 29°46'17.00" | 31°26'37.98" | CSIR NRIO List 1981              |
| 318     | Cutweni     | Subtropical            | Micro-system  | Micro-outlet        | Micro-outlet                               | 29°47'12.44" | 31°26'18.65" | CSIR NRIO List 1981              |
| 319     | Mjihlelo    | Subtropical            | Micro-system  | Waterfall outlet    | Waterfall outlet                            | 29°47'53.83" | 31°26'9.95"  | CSIR NRIO List 1981              |
| 320     | Subtropical 24 | Subtropical         | Micro-system  | Waterfall outlet    | Waterfall outlet                            | 29°48'9"     | 31°26'8"     | Whitfield and Baliwe 2013       |
| 321     | Subtropical 25 | Subtropical         | Micro-system  | Waterfall outlet    | Waterfall outlet                            | 29°48'32"    | 31°26'4"     | Whitfield and Baliwe 2013       |
| 322     | Mlambomkulu | Subtropical            | Micro-system  | Waterfall outlet    | Waterfall outlet                            | 29°49'18.66" | 31°26'0.84"  | CSIR NRIO List 1981              |
| Outlet # | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|--------------|------------------------|---------------|----------------------|---------------------------------------------|---------------|---------------|-------------------------------|
| 323      | Lupatana     | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed | 29°51'5.32440" | 31°25'23.811" | NBA 2012, CSIR NRIO List 1981 |
| 324      | Mkweni       | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed | 29°52'22.20" | 31°24'12.27" | NBA 2012, CSIR NRIO List 1981 |
| 325      | Subtropical 26 | Subtropical            | Micro-system  | Micro-outlet          | Micro-outlet                  | 29°52'44" | 31°23'51" | Whitfield and Baliwe 2013 |
| 326      | Subtropical 27 | Subtropical            | Micro-system  | Micro-outlet          | Micro-outlet                  | 29°52'49" | 31°23'49" | Whitfield and Baliwe 2013 |
| 327      | Maviti       | Subtropical            | Micro-system  | Micro-estuary         | Micro-estuary                 | 29°53'41.28" | 31°23'26.23" | CSIR NRIO List 1981 |
| 328      | Tezana       | Subtropical            | Micro-system  | Micro-estuary         | Micro-estuary                 | 29°54'21.46" | 31°22'31.97" | CSIR NRIO List 1981 |
| 329      | Magogo       | Subtropical            | Micro-system  | Micro-estuary         | Micro-estuary                 | 29°55'10.02" | 31°22'1.24" | CSIR NRIO List 1981 |
| 330      | Subtropical 28 | Subtropical            | Micro-system  | Micro-outlet          | Micro-outlet                  | 29°55'37" | 31°21'38" | Whitfield and Baliwe 2013 |
| 331      | Kilroe Beach | Subtropical            | Micro-system  | Micro-estuary         | Micro-estuary                 | 29°55'45.53" | 31°21'34.37" | CSIR NRIO List 1981 |
| 332      | Mbabeni      | Subtropical            | Micro-system  | Waterfall outlet      | Waterfall outlet              | 29°56'19.92" | 31°21'3.61" | CSIR NRIO List 1981 |
| 333      | Msikaba      | Subtropical            | Estuary       | Predominantly Open    | Predominantly Open            | 29°58'3.74" | 31°19'9.20" | NBA 2012, CSIR NRIO List 1981 |
| 334      | Subtropical 29 | Subtropical            | Micro-system  | Micro-outlet          | Micro-outlet                  | 29°58'53.996" | 31°18'55.226" | Whitfield and Baliwe 2013 |
| 335      | Butsha       | Subtropical            | Micro-system  | Micro-outlet          | Micro-outlet                  | 29°59'5.303" | 31°18'46.317" | CSIR NRIO List 1981 |
| 336      | Kwadindwa    | Subtropical            | Micro-system  | Micro-outlet          | Micro-outlet                  | 29°59'22.606" | 31°18'37.066" | CSIR NRIO List 1981 |
| 337      | Daza         | Subtropical            | Micro-system  | Waterfall outlet      | Waterfall outlet              | 29°59'50.39" | 31°18'20.76" | NBA 2012, CSIR NRIO List 1981 |
| 338      | Mgwegwe      | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed | 30°0.40.9140" | 31°17'15.554" | NBA 2012, CSIR NRIO List 1981 |
| 339      | Mkambati     | Subtropical            | Micro-system  | Waterfall outlet      | Waterfall outlet              | 30°1.26.14" | 31°16'27.98" | CSIR NRIO List 1981 |
| 340      | Mgweteyana   | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed | 30°2.22.9775" | 31°15'42.454" | CSIR NRIO List 1981 |
| 341      | Subtropical 30 | Subtropical            | Micro-system  | Micro-outlet          | Micro-outlet                  | 30°02'42" | 31°15'4" | Whitfield and Baliwe 2013 |
| Outlet # | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | Project/origin of data set/name |
|---|---|---|---|---|---|---|
| 342 | Mtentu | Subtropical | Estuary | Predominantly Open | Predominantly Open | NBA 2012, CSIR NRIO List 1981 |
| 343 | Subtropical 31 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | Whitfield and Baliwe 2013 |
| 344 | Subtropical 32 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | Whitfield and Baliwe 2013 |
| 345 | Sikombe | Subtropical | Estuary | Small Temporarily Closed | Small Temporarily Closed | NBA 2012, CSIR NRIO List 1981 |
| 346 | Kwanyana | Subtropical | Estuary | Small Temporarily Closed | Small Temporarily Closed | NBA 2012, CSIR NRIO List 1981 |
| 347 | Mtolane | Subtropical | Estuary | Small Temporarily Closed | Small Temporarily Closed | CSIR NRIO List 1981 |
| 348 | Mnyameni | Subtropical | Estuary | Large Temporarily Closed | Large Temporarily Closed | NBA 2012, CSIR NRIO List 1981 |
| 349 | Subtropical 33 | Subtropical | Micro-system | Micro-estuary | Micro-estuary | CSIR NRIO List 1981 |
| 350 | Mphahlanyana | Subtropical | Estuary | Small Temporarily Closed | Small Temporarily Closed | NBA 2012, CSIR NRIO List 1981 |
| 351 | Mphalane | Subtropical | Estuary | Small Temporarily Closed | Small Temporarily Closed | NBA 2012, CSIR NRIO List 1981 |
| 352 | Mzamba | Subtropical | Estuary | Predominantly Open | Predominantly Open | NBA 2012, CSIR NRIO List 1981 |
| 353 | Mtentwana | Subtropical | Estuary | Small Temporarily Closed | Small Temporarily Closed | NBA 2012, CSIR NRIO List 1981 |
| 354 | uMthavuna | Subtropical | Estuary | Predominantly Open | Predominantly Open | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 355 | iSolwane | Subtropical | Estuary | Small Temporarily Closed | Small Temporarily Closed | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 356 | Subtropical 34 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | Bate et al. 2017 |
| 357 | Subtropical 35 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | Bate et al. 2017 |
| 358 | Subtropical 36 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | Whitfield and Baliwe 2013 |
| 359 | Subtropical 37 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | Bate et al. 2017 |
| 360 | iSandlu | Subtropical | Estuary | Small Temporarily Closed | Small Temporarily Closed | KZN province, NBA 2012, CSIR NRIO List 1981 |
| Outlet # | Estuary name                  | Biogeographical region | Estuary class | Natural estuary type                        | Present transformed functional estuary type | East DD MM SS    | South DD MM SS   | Project/origin of data set/name                  |
|----------|-------------------------------|------------------------|---------------|---------------------------------------------|-------------------------------------------|-----------------|-----------------|------------------------------------------------|
| 361      | uMbhoyibhoyi                  | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                  | 30°14'8.16359"  | 31°2'4.77599"  | KZN province, NBA 2012, CSIR NRIO List 1981     |
| 362      | Subtropical 38                 | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                              | 30°14'16.684"   | 31°1'52.257"   |                                                             |
| 363      | Subtropical 39                 | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                              | 30°14'48"       | 31°1'17"       | Whitfield and Baliwe 2013                        |
| 364      | uMuntongazi                    | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                  | 30°15'24.5915"  | 31°0'41.1732"  | KZN province, NBA 2012, CSIR NRIO List 1981     |
| 365      | iKhandalendlovu                | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                  | 30°16'9.45480"  | 30°59'50.625"  | KZN province, NBA 2012, CSIR NRIO List 1981     |
| 366      | Subtropical 40                 | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                              | 30°16'31.976"   | 30°59'20.309"  | Bate et al. 2017                                   |
| 367      | Subtropical 41                 | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                              | 30°16'35.101"   | 30°59'17.513"  | Bate et al. 2017                                   |
| 368      | Subtropical 42                 | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                              | 30°16'37.979"   | 30°59'10.318"  | Bate et al. 2017                                   |
| 369      | Subtropical 43                 | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                              | 30°16'41.844"   | 30°58'52.637"  | Bate et al. 2017                                   |
| 370      | iMpenjani                      | Subtropical            | Estuary       | Large Temporarily Closed                    | Large Temporarily Closed                  | 30°17'2.78160"  | 30°58'25.348"  | KZN provincial, NBA 2012, CSIR NRIO List 1981    |
| 371      | uMhlamongomkhulu (South) (Umlhangankulu) | Subtropical | Estuary       | Large Temporarily Closed                    | Large Temporarily Closed                  | 30°18'11.0699"  | 30°56'43.490"  | KZN province, NBA 2012, CSIR NRIO List 1981     |
| 372      | iKhaba                         | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                  | 30°18'32.3604"  | 30°56'9.4776"  | KZN province, NBA 2012, CSIR NRIO List 1981     |
| 373      | Subtropical 44                 | Subtropical            | Micro-system  | Micro-estuary                               | Micro-estuary                             | 30°19'9"       | 30°55'26"     | Whitfield and Baliwe 2013                        |
| 374      | iMbizana                       | Subtropical            | Estuary       | Large Temporarily Closed                    | Large Temporarily Closed                  | 30°20'5.22239"  | 30°54'31.103"  | KZN province, NBA 2012, CSIR NRIO List 1981     |
| 375      | Subtropical 45                 | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                              | 30°20'13"      | 30°54'19"      | Whitfield and Baliwe 2013                        |
| 376      | Subtropical 46                 | Subtropical            | Micro-system  | Micro-estuary                               | Micro-estuary                             | 30°20'44"      | 30°53'47"      | Whitfield and Baliwe 2013                        |
| 377      | iMvutshini                     | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                  | 30°20'49.6895"  | 30°53'38.684"  | KZN province, NBA 2012, CSIR NRIO List 1981     |
| 378      | iBilanhlonhlo                  | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                  | 30°20'56.1479"  | 30°53'24.687"  | KZN province, NBA 2012, CSIR NRIO List 1981     |
| Outlet # | Estuary name                      | Biogeographical region | Estuary class | Natural estuary type                        | Present transformed functional estuary type | East DD MM SS         | South DD MM SS        | Project/origin of data set/name                  |
|----------|----------------------------------|------------------------|---------------|---------------------------------------------|---------------------------------------------|-----------------------|-----------------------|-----------------------------------------------|
| 379      | uVuzana                          | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                     | 30°21'32.2415"       | 30°52'42.254"           | KZN province, NBA 2012, CSIR NRIO List 1981    |
| 380      | iKongeni                         | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                     | 30°22'21.8945"       | 30°51'41.288"           | KZN province, NBA 2012, CSIR NRIO List 1981    |
| 381      | Subtropical 47                   | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                                | 30°22'45.842"        | 30°51'18.67"            | Bate et al. 2017                                                 |
| 382      | uVunguza                         | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                     | 30°23'43.1303"       | 30°50'11.345"           | KZN province, NBA 2012, CSIR NRIO List 1981    |
| 383      | Subtropical 48                   | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                                | 30°24'13.3344"       | 30°49'39.4427"          | Bate et al.                                                   |
| 384      | oHlangeni                        | Subtropical            | Estuary       | Large Temporarily Closed                    | Large Temporarily Closed                     | 30°24'20.1168"       | 30°49'12.810"           | KZN province, NBA 2012, CSIR NRIO List 1981    |
| 385      | Subtropical 49                   | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                                | 30°24'47"            | 30°48'16"              | Whitfield and Baliwe 2013                             |
| 386      | Subtropical 50                   | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                                | 30°24'57"            | 30°48'4"               | Whitfield and Baliwe 2013                             |
| 387      | Subtropical 51                   | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                                | 30°25'3"             | 30°47'54"              | Whitfield and Baliwe 2013                             |
| 388      | Subtropical 52                   | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                                | 30°25'16"            | 30°47'38"              | Whitfield and Baliwe 2013                             |
| 389      | iZotsha                          | Subtropical            | Estuary       | Large Temporarily Closed                    | Large Temporarily Closed                     | 30°25'25.1687"       | 30°47'22.322"           | KZN province, NBA 2012, CSIR NRIO List 1981    |
| 390      | iBhobhoyi                        | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                     | 30°26'21.2531"       | 30°46'14.509"           | KZN province, NBA 2012, CSIR NRIO List 1981    |
| 391      | Subtropical 53                   | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                                | 30°26'38.346"        | 30°45'50.7276"         | Bate et al. 2017                                                |
| 392      | uMbango                          | Subtropical            | Estuary       | Small Temporarily Closed                    | Small Temporarily Closed                     | 30°26'51.6084"       | 30°45'27.745"           | KZN province, NBA 2012, CSIR NRIO List 1981    |
| 393      | uMzimkhulu                       | Subtropical            | Estuary       | Predominantly Open                          | Predominantly Open                          | 30°27'29.8800"       | 30°44'23.398"          | KZN province, NBA 2012, CSIR NRIO List 1981    |
| 394      | Subtropical 54                   | Subtropical            | Micro-system  | Micro-outlet                                | Micro-outlet                                | 30°28'38.0639"       | 30°43'1.596"           | Bate et al. 2017                                                |
| 395      | uMthente                         | Subtropical            | Estuary       | Large Temporarily Closed                    | Large Temporarily Closed                     | 30°28'54.1019"       | 30°42'34.534"          | KZN province, NBA 2012, CSIR NRIO List 1981    |
| 396      | uMhlangomkhulu (North)           | Subtropical            | Estuary       | Large Temporarily Closed                    | Large Temporarily Closed                     | 30°29'54.0420"       | 30°41'17.394"          | KZN province, NBA 2012, CSIR NRIO List 1981    |
| Outlet # | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|--------------|-------------------------|---------------|----------------------|---------------------------------------------|---------------|---------------|---------------------------------|
| 397      | Subtropical 55 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°30'11.2679" | 30°40'59.34" | Bate et al. 2017 |
| 398      | Subtropical 56 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°30'27.612" | 30°40'44.2919" | Bate et al. 2017 |
| 399      | iDombe       | Subtropical | Estuary       | Large Temporarily Closed | Large Temporarily Closed | 30°30'37.5335" | 30°40'20.863" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 400      | Subtropical 57 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°30'49.7159" | 30°39'56.16" | Bate et al. 2017 |
| 401      | Subtropical 58 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°30'53.568" | 30°39'51.084" | Bate et al. 2017 |
| 402      | iKhoshwana   | Subtropical | Estuary       | Large Temporarily Closed | Large Temporarily Closed | 30°31'2.27280" | 30°39'37.137" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 403      | Subtropical 59 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°31'38.3519" | 30°38'56.112" | Bate et al. 2017 |
| 404      | Subtropical 60 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°31'44.616" | 30°38'48.4799" | Bate et al. 2017 |
| 405      | Subtropical 61 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°32'6.4679" | 30°38'26.1239" | Bate et al. 2017 |
| 406      | iNjambili     | Subtropical | Estuary       | Small Temporarily Closed | Small Temporarily Closed | 30°32'11.5223" | 30°38'13.938" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 407      | Subtropical 62 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°32'46.392" | 30°37'12.972" | Bate et al. 2017 |
| 408      | uMzumbe       | Subtropical | Estuary       | Large Temporarily Closed | Large Temporarily Closed | 30°32'52.0116" | 30°36'50.13" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 409      | Subtropical 63 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°34'7.14" | 30°35'24.8352" | Bate et al. 2017 |
| 410      | uMhlabashana  | Subtropical | Estuary       | Large Temporarily Closed | Large Temporarily Closed | 30°34'17.0363" | 30°35'4.1208" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 411      | Subtropical 64 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°34'25.7232" | 30°34'47.4888" | Bate et al. 2017 |
| 412      | Subtropical 65 | Subtropical | Micro-system | Micro-outlet | Micro-outlet | 30°34'37" | 30°34'25" | Whitfield and Baliwe 2013 |
| 413      | uMhlanga      | Subtropical | Estuary       | Large Temporarily Closed | Large Temporarily Closed | 30°34'59.6459" | 30°33'8.926" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 414      | Subtropical 66 | Subtropical | Micro-system | Micro-estuary | Micro-estuary | 30°35'46" | 30°32'43" | Whitfield and Baliwe 2013 |
| Outlet # | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|--------------|------------------------|---------------|---------------------|---------------------------------------------|---------------|---------------|----------------------------------|
| 415      | uMfazezala   | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 30°36'25.4339" | 30°31'54.534" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 416      | uMakhosi     | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 30°36'36.8496" | 30°31'33.085" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 417      | Subtropical 67 | Subtropical            | Micro-system  | Micro-outlet         | Micro-outlet                               | 30°36'50.3352" | 30°31'13.062" | Bate et al. 2017             |
| 418      | Subtropical 68 | Subtropical            | Micro-system  | Micro-outlet         | Micro-outlet                               | 30°37'2"      | 30°31'2"      | Whitfield and Baliwe 2013    |
| 419      | uMnamfu      | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 30°37'28.9991" | 30°30'30.272" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 420      | uMthwalume   | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 30°38'8.16000" | 30°29'6.6300" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 421      | Subtropical 69 | Subtropical            | Micro-system  | Micro-estuary        | Micro-estuary                              | 30°38'30.7716" | 30°28'28.2216" | Bate et al. 2017             |
| 422      | uMvuzi       | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 30°38'51.4104" | 30°28'11.276" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 423      | iFafa        | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 30°39'13.0068" | 30°27'24.073" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 424      | Subtropical 70 | Subtropical            | Micro-system  | Micro-estuary        | Micro-estuary                              | 30°39'39"     | 30°26'33"     | Whitfield and Baliwe 2013    |
| 425      | Subtropical 71 | Subtropical            | Micro-system  | Micro-outlet         | Micro-outlet                               | 30°40'2"      | 30°26'7"      | Whitfield and Baliwe 2013    |
| 426      | uMdesingane  | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 30°40'17.7275" | 30°25'33.772" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 427      | iSezela      | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 30°40'39.8747" | 30°24'54.046" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 428      | uMkhumbane   | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 30°40'58.2060" | 30°24'20.185" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 429      | Subtropical 72 | Subtropical            | Micro-system  | Micro-outlet         | Micro-outlet                               | 30°41'42.1079" | 30°23'18.9455" | Bate et al. 2017             |
| 430      | Subtropical 73 | Subtropical            | Micro-system  | Micro-estuary        | Micro-estuary                              | 30°42'4"      | 30°22'39"     | Whitfield and Baliwe 2013    |
| 431      | iNkombi      | Subtropical            | Estuary       | Small Temporarily Closed | Small Temporarily Closed                  | 30°43'13.3608" | 30°21'10.357" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 432      | uMziwezinto  | Subtropical            | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 30°42'32.9219" | 30°22'3.5075" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| Outlet # | Estuary name      | Biogeographical region | Estuary class | Natural estuary type                  | Present transformed functional estuary type | East DD MM SS          | South DD MM SS          | Source                               |
|---------|-------------------|------------------------|---------------|---------------------------------------|---------------------------------------------|------------------------|------------------------|--------------------------------------|
| 433     | uMzimayi          | Subtropical            | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                   | 30°43'38.3448"         | 30°20'47.292"         | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 434     | Rocky Bay         | Subtropical            | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                   | 30°44'4.695"           | 30°20'1.7045"         | KZN province                        |
| 435     | Subtropical 74    | Subtropical            | Micro-system  | Micro-outlet                          | Micro-outlet                               | 30°44'19.2552"         | 30°19'27.0804"        | Bate et al. 2017                     |
| 436     | Subtropical 75    | Subtropical            | Micro-system  | Micro-outlet                          | Micro-outlet                               | 30°44'36.1248"         | 30°18'44.8703"        | Bate et al. 2017                     |
| 437     | Subtropical 76    | Subtropical            | Micro-system  | Micro-outlet                          | Micro-outlet                               | 30°44'58.6248"         | 30°17'59.8919"        | Bate et al. 2017                     |
| 438     | uMphambanyoni     | Subtropical            | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                   | 30°45'33.4655"         | 30°16'49.432"         | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 439     | aMahlongwa        | Subtropical            | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                   | 30°45'50.1336"         | 30°16'8.8968"          | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 440     | Subtropical 77    | Subtropical            | Micro-system  | Micro-outlet                          | Micro-outlet                               | 30°46'54"              | 30°14'36"             | Whitfield and Baliwe 2013            |
| 441     | Subtropical 78    | Subtropical            | Micro-system  | Micro-outlet                          | Micro-outlet                               | 30°47'6.3996"          | 30°14'21.1559"        | Bate et al. 2017                     |
| 442     | uMahlongwane      | Subtropical            | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                   | 30°47'37.4424"         | 30°13'30.478"         | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 443     | Subtropical 79    | Subtropical            | Micro-system  | Micro-outlet                          | Micro-outlet                               | 30°47'53"              | 30°12'50"             | Whitfield and Baliwe 2013            |
| 444     | uMkhomazi         | Subtropical            | Estuary       | Predominantly Open                    | Predominantly Open                         | 30°48'13.9248"         | 30°12'9.3203"         | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 445     | iNgane            | Subtropical            | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                   | 30°49'1.67159"         | 30°10'43.824"         | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 446     | uMgababa          | Subtropical            | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                   | 30°49'50.6171"         | 30°9'20.4120"         | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 447     | Subtropical 80    | Subtropical            | Micro-system  | Micro-outlet                          | Micro-outlet                               | 30°49'55.65"           | 30°9'0.4176"          | Bate et al. 2017                     |
| 448     | uMsimbazi         | Subtropical            | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                   | 30°50'51.5724"         | 30°7'46.2863"         | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 449     | iLovu             | Subtropical            | Estuary       | Large Temporarily Closed              | Large Temporarily Closed                   | 30°51'27.2700"         | 30°6'19.5552"         | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 450     | Subtropical 81    | Subtropical            | Micro-system  | Micro-estuary                         | Micro-estuary                              | 30°51'43.308"          | 30°5'40.553"          | Whitfield and Baliwe 2013            |
| 451     | aManzanamtoti     | Subtropical            | Estuary       | Small Temporarily Closed              | Small Temporarily Closed                   | 30°52'23.7395"         | 30°4'40.9152"         | KZN province, NBA 2012, CSIR NRIO List 1981 |
| Outlet # | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|---------|-------------|-------------------------|---------------|---------------------|-------------------------------------------|--------------|--------------|--------------------------------|
| 452     | aManzimtoti | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 30°53'4.71480" | 30°3'30.8159" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 453     | iZimbokodo   | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 30°56'12.4367" | 30°0'34.9524" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 454     | iSiphingo    | Subtropical             | Estuary       | Predominantly Open     | Predominantly Open                        | 30°57'4.53959" | 29°59'45.229" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 455     | Durban Bay   | Subtropical             | Estuary       | Estuarine Bay          | Estuarine Bay                             | 31°3'.45.0288" | 29°51'58.085" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 456     | uMgeni       | Subtropical             | Estuary       | Predominantly Open     | Predominantly Open                        | 31°2'.33.4031" | 29°48'30.585" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 457     | uMhlanga     | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 31°6'.5.30279" | 29°42'10.832" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 458     | uMdloti      | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 31°7'.44.9328" | 29°39'2.1348" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 459     | Subtropical 82 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet                              | 31°8'49.3476" | 29°37'33.4272" | Bate et al. 2017 |
| 460     | Subtropical 83 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet                              | 31°09'37"     | 29°36'33"     | Whitfield and Baliwe 2013       |
| 461     | Subtropical 84 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet                              | 31°10'11.6651" | 29°35'39.4403" | Bate et al. 2017 |
| 462     | uThongathi   | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed                  | 31°11'.5.58600" | 29°34'24.275" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 463     | Subtropical 85 | Subtropical           | Micro-system  | Micro-estuary          | Micro-estuary                             | 31°12'27.8963" | 29°33'1.9079" | Bate et al. 2017 |
| 464     | Subtropical 86 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet                              | 31°14'8.3832" | 29°30'24.3431" | Bate et al. 2017 |
| 465     | Subtropical 87 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet                              | 31°14'25.3248" | 29°30'4.7052" | Bate et al. 2017 |
| 466     | Subtropical 88 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet                              | 31°14'36.402" | 29°29'50.064" | Bate et al. 2017 |
| 467     | Subtropical 89 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet                              | 31°16'4.1772" | 29°28'21.1908" | Bate et al. 2017 |
| 468     | Subtropical 90 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet                              | 31°16'15.8555" | 29°28'7.1507" | Bate et al. 2017 |
| 469     | Subtropical 91 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet                              | 31°16'28.8372" | 29°27'52.6968" | Bate et al. 2017 |
| Outlet # W to E | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------------|--------------|-------------------------|---------------|---------------------|-------------------------------------------|----------------|----------------|--------------------------------|
| 470            | uMhlali      | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed | 31'16'41.119" | 29'27'36.575" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 471            | Bob's Stream | Subtropical             | Estuary       | Small Temporarily Closed | Small Temporarily Closed | 31'17'41.0496" | 29'26'16.717" | CSIR NRIO List 1981 |
| 472            | uSetheni     | Subtropical             | Estuary       | Small Temporarily Closed | Small Temporarily Closed | 31'18'10.444" | 29'25'45.667" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 473            | Subtropical 92 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet               | 31'19'2"     | 29'24'38"    | Whitfield and Batiwe 2013 |
| 474            | Subtropical 93 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet               | 31'19'4"     | 29'24'34"    | Whitfield and Batiwe 2013 |
| 475            | Subtropical 94 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet               | 31'19'27"    | 29'24'14"    | Whitfield and Batiwe 2013 |
| 476            | uMvoti       | Subtropical             | Estuary       | Large Fluvially Dominated | Large Fluvially Dominated | 31'20'5.47439" | 29'23'30.775" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 477            | uMdlotane    | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed | 31'22'25.7844" | 29'21'8.6507" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 478            | ioti         | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed | 31'24'25.4880" | 29'19'7.8852" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 479            | iZinkwazi    | Subtropical             | Estuary       | Large Temporarily Closed | Large Temporarily Closed | 31'26'36.5207" | 29'16'53.724" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 480            | uThukela     | Subtropical             | Estuary       | Large Fluvially Dominated | Large Fluvially Dominated | 31'30'3.62160" | 29'13'27.310" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 481            | aMatigulu/ iNyoni | Subtropical         | Estuary       | Predominantly Open     | Predominantly Open        | 31'38'40.3872" | 29'5'1.30559"  | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 482            | iSiyaya      | Subtropical             | Estuary       | Small Temporarily Closed | Small Temporarily Closed | 31'45'47.2968" | 28'58'0.7716"  | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 483            | uMlalazi     | Subtropical             | Estuary       | Predominantly Open     | Predominantly Open        | 31'49'22.8971" | 28'56'40.995"  | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 484            | Subtropical 95 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet               | 31'53'27.9096" | 28'55'28.5887" | Bate et al. 2017 |
| 485            | Subtropical 96 | Subtropical           | Micro-system  | Micro-outlet           | Micro-outlet               | 31'54'8.9064" | 28'55'18.0767" | Bate et al. 2017 |
| 486            | uMhlathuze   | Subtropical             | Estuary       | Estuarine Lake         | Predominantly Open        | 32'2'59.9675" | 28'50'55.949"  | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 487            | Richards Bay | Subtropical             | Estuary       | Estuarine Lake         | Estuarine Bay              | 32'5'51.9611" | 28'48'51.138"  | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 488            | iNhlabane    | Subtropical             | Estuary       | Estuarine Lake         | Small Temporarily Closed  | 32'15'25.6247" | 28'39'41.061"  | KZN province, NBA 2012, CSIR NRIO List 1981 |
| Outlet # | Estuary name | Biogeographical region | Estuary class | Natural estuary type | Present transformed functional estuary type | East DD MM SS | South DD MM SS | Project/origin of data set/name |
|----------|--------------|------------------------|---------------|----------------------|---------------------------------------------|---------------|---------------|----------------------------------|
| 489      | iMfolozi/ uMsunduze | Subtropical | Estuary | Large Fluvially Dominated | Large Fluvially Dominated | 32°25'30.1836" | 28°23'21.390" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 490      | St Lucia     | Subtropical | Estuary | Estuarine Lake | Estuarine Lake | 32°25'29.0243" | 28°22'57.226" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 491      | uMgobezeleli | Tropical  | Estuary | Estuarine Lake | Estuarine Lake | 32°40'50.1419" | 27°32'22.390" | KZN province, NBA 2012, CSIR NRIO List 1981 |
| 492      | Kosi         | Tropical  | Estuary | Estuarine Lake | Estuarine Lake | 32°52'50.8404" | 26°53'42.626" | KZN province, NBA 2012, CSIR NRIO List 1981 |