

Broodstock genetic regions for Murray Cod, Golden Perch, Silver Perch and Australian Bass

Two separate genetic regions have been established for Murray Cod, and three separate genetic regions have been established for Australian Bass. (Table 1 & 2 and Figure 1)

A recent genetic analysis of Golden Perch in NSW has identified little variance in gene structure across the NSW population. There are now no specific genetic zones for Golden Perch in NSW.

Table 1. Broodstock genetic regions for Murray Cod.

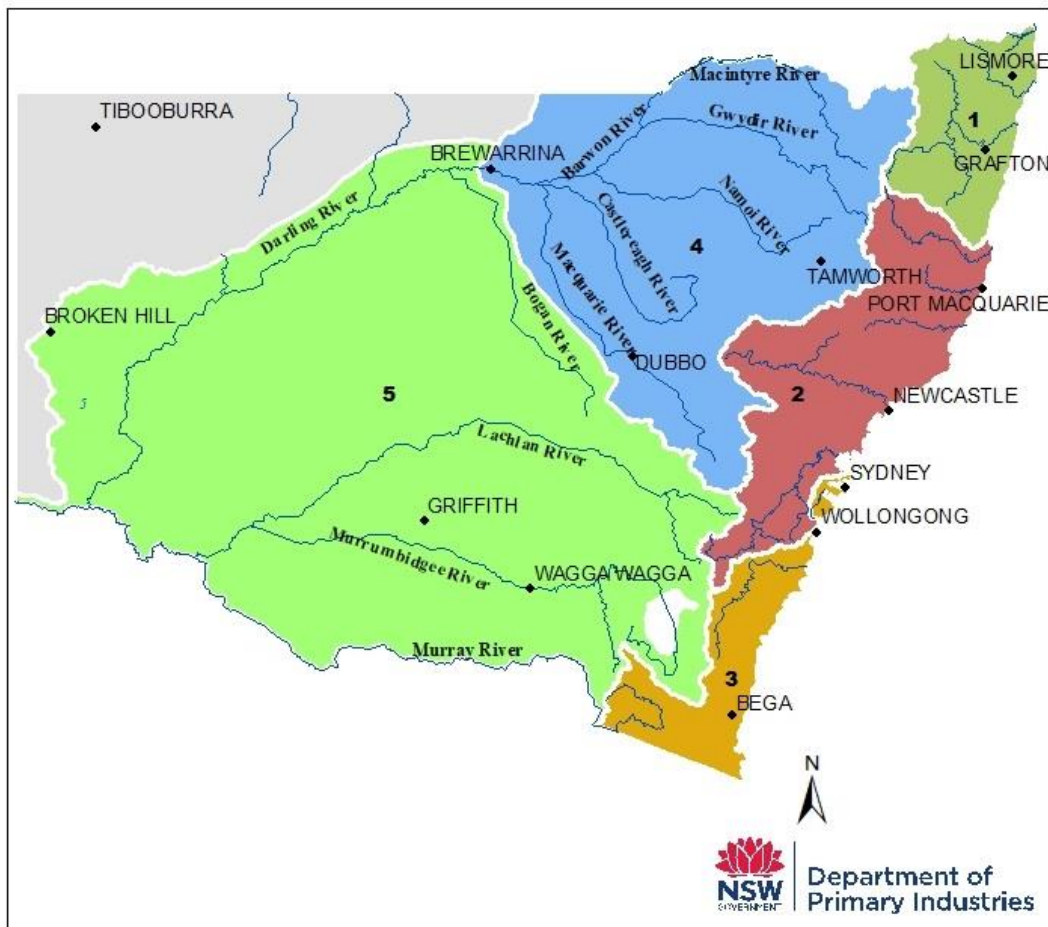
| MC1 Northern | MC2 Southern |
|--|---|
| Map Zone 4 | Map Zone 5 |
| Castlereagh, Namoi, Gwydir, Macquarie and Macintyre Rivers | Lachlan, Murray and Murrumbidgee Rivers. |
| Barwon River above Brewarrina | Bogan, Barwon and lower Darling Rivers below Brewarrina |

Table 2. Broodstock genetic regions for Australian Bass.



| AB1 North Coast | AB2 Central Coast | AB3 South Coast |
|---------------------------------------|--|--|
| Map Zone 1 | Map Zone 2 | Map Zone 3 |
| All rivers north of the Macleay River | All rivers between the Macleay and the Hawkesbury River (both rivers included) | All rivers south of the Hawkesbury River |

There are no zones or regions applicable for Silver Perch as recreational fishing enhancement stocking is not undertaken and wild broodstock collection is prohibited.

Figure 1. Broodstock genetic regions



Broodstock Genetic Regions

| | ZONE | |
|---|---------------------------|---|
|  | Map Zone 1: North Coast | All rivers north of the Macleay River |
|  | Map Zone 2: Central Coast | All rivers between the Macleay and the Hawkesbury River (both rivers included) |
|  | Map Zone 3: South Coast | All rivers south of the Hawkesbury River |
|  | Map Zone 4: Northern | Castlereagh, Namoi, Gwydir, Macquarie and Macintyre Rivers. Barwon River above Brewarrina. |
|  | Map Zone 5: Southern | Lachlan, Murray and Murrumbidgee Rivers. Bogan, Barwon and lower Darling Rivers below Brewarrina. |

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