



四川省农业科学院水产研究所
Fisheries Institute

Conservation status of *Hucho bleekeri* (Sichuan Taimen)

Yeyu Chen

The Fishery Institute of the Sichuan Academy of
Agricultural Sciences

Geographic range

Main distribution rivers

Before 1960

1960-1980



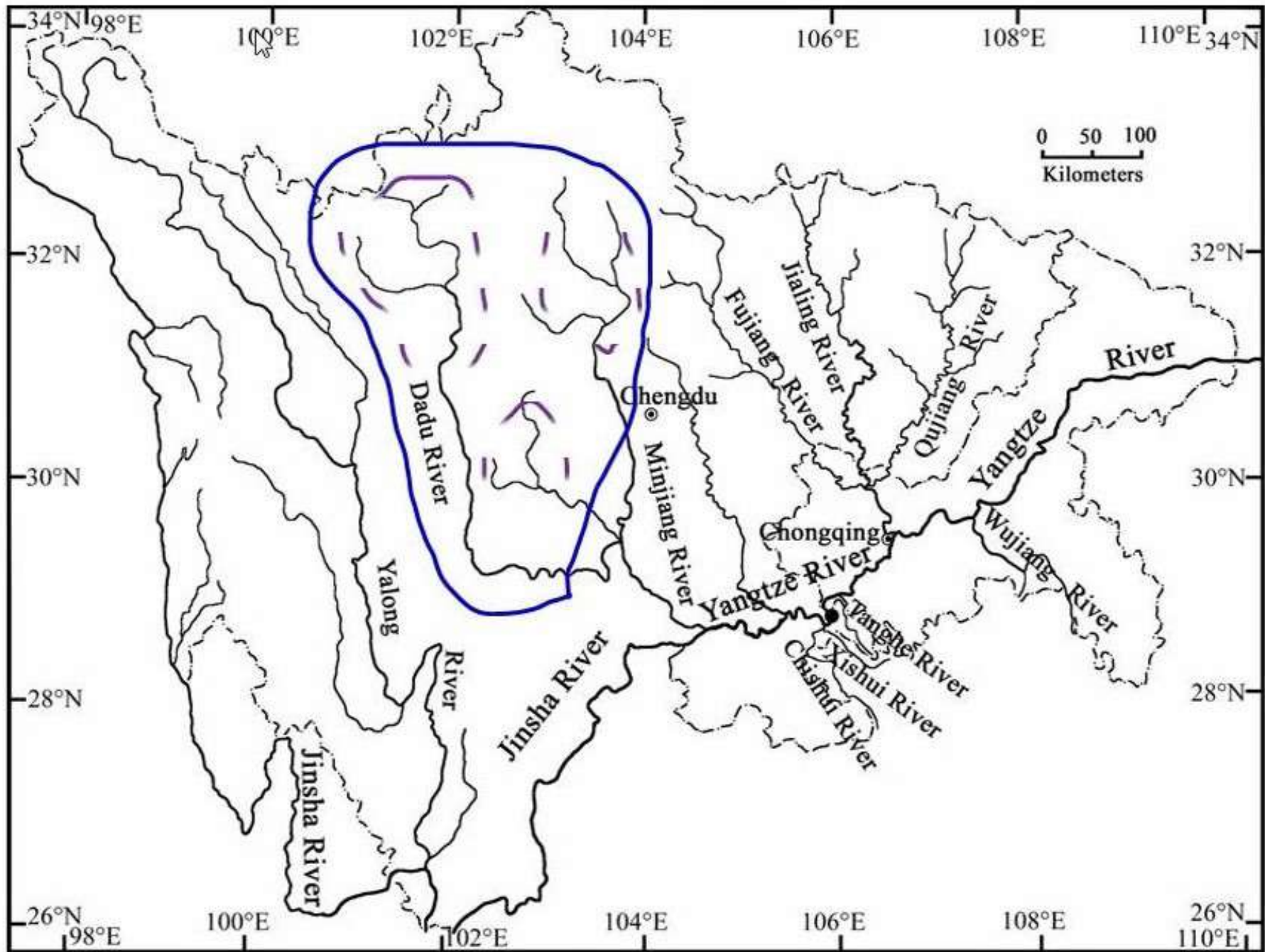
1980-1990

1990-2000

After 2000







Population

Statistics on the number of *H. bleekeri* in Dachuan River (1962-1982)

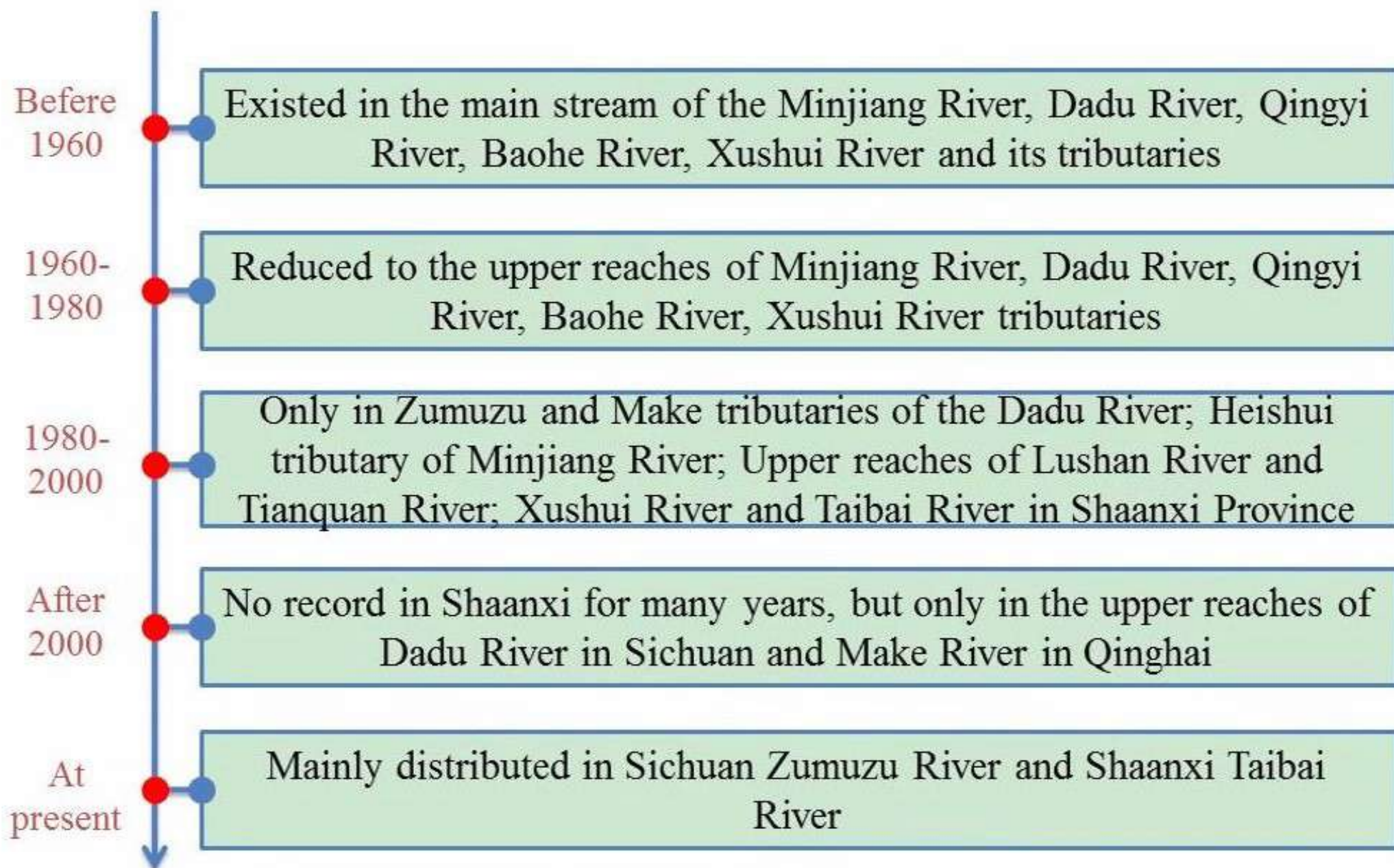
| Year | Total catch (kg) | Total catch of <i>H. bleekeri</i> (kg) | <i>H. bleekeri</i> ratio | Ratio of the number of <i>H. bleekeri</i> |
|-----------|------------------|--|--------------------------|---|
| 1962-1964 | ≈500 | ≈100 | 20.00% | |
| 1965~1973 | ≈300 | ≈37.5 | 12.50% | |
| 1975 | 285 | 48.336 | 16.96% | |
| 1976 | 285 | 1.254 | 0.44% | |
| 1977 | 335 | 0.5025 | 0.15% | |
| 1978 | 413 | 3.0149 | 0.73% | |
| 1979 | 697 | 16.2401 | 2.33% | |
| 1980 | 810 | 81 | 10% | |
| 1981 | 840 | 56.532 | 6.73% | |
| 1982 | | | 2.82% | 3.29% |

Capture status between 1982 and 2008

| River | Year | Number | Age | Length (mm) | Weight (kg) |
|-------------|-----------|--------|-----|-------------|-------------|
| Tianquan | 1983~1986 | 8 | 3~5 | 326~603 | 0.5~3.0 |
| Dachuan | 1982~1983 | 5 | 4~6 | 432~696 | 1.8~7.1 |
| Dachuan | 1989 | 3 | 2~4 | 255~435 | 0.2~3.6 |
| Shuilaiping | 1988~1989 | 3 | 2~4 | 275~423 | 0.33-2.9 |
| Sebagu | 1992 | 1 | 1 | 162 | 0.22 |
| Danba | 1987 | 2 | 0 | 80-95 | |
| Ribu | 1995 | 2 | 3-4 | 376-407 | 0.51.9 |
| Kehe | 1993 | 4 | 4~6 | 425~648 | 2.98.0 |
| Jianchazhan | 1993 | 2 | 4~5 | 453~689 | 3.0~4.7 |
| Dengta | 1993 | 2 | 3-4 | 324~430 | 0.54-20 |
| Banma | 1993 | 1 | 4 | 457 | 29 |
| Zequ | 1993 | 1 | 2 | 234 | 0.6 |
| Baiwan | 1993 | 1 | | | 20.0 |
| Kehe | 2003 | 1 | 1 | 156 | 0.23 |
| Ribu | 2004 | 1 | 2 | 259 | 0.46 |
| Zumuzu | 2006 | 1 | 1 | 168 | 0.25 |
| Kehe | 2008 | 1 | 2 | 226 | 0.29 |

| Year | Collection site | Number | Length(cm) | Weight(kg) | Note |
|------------------|---------------------|-------------------|------------|------------------|---|
| 2010.5.20 | Zumuzu River | 1 | 126 | 11 | Gill net |
| 2010.9.20 | Zumuzu River | 2 | 30 | 0.5 | Gill net |
| 2010.9.27 | Zumuzu River | 1 | | 1.3 | Gill net |
| 2011.4 | Zumuzu River | 3 | | 2(Average) | Gill net |
| 2011.1 | Zumuzu River | 1 | | 1 | Gill net |
| 2012.4 | Zumuzu River | 4 | | 2.5(Average) | Gill net |
| 2012.1 | Ake River | 1 | 92 | 8.3 | Gill net |
| 2013.4 | Zumuzu River | 5 | | 4(Average) | Gill net, cast net |
| 2014.3 | Zumuzu River | 4 | | 4(Average) | Gill net |
| 2014.1 | Zumuzu River | 1 | | 0.2 | Cast net |
| 2001 | Chuosijia River | 1 | 30 | 0.5 | |
| 2003 | Chuosijia River | 1 | | 0.5 | |
| 2012.9 | Taibai River | 19 | 40.0-55.0 | 0.64-1.47 | |
| 2012-2016 | Taibai River | 43 | 0.75-1.5 | | Sexual maturity |
| 2014-2023 | Zumuzu River | Annual 1-8 | | >6.2kg | Sexual maturity, some were recurrenced individuals |
| 2018 | Taibai River | 15 | | | Adults and juveniles |
| 2018 | Ake River | 1 | | | Sexual maturity |
| 2019 | Dadu River | 1 | 81 | 10 | |
| 2014.4 | Zumuzu River | 1 | 80 | 15 | Sexual maturity |

Status on distribution



Summary in Geographic Range

Number of locations: 2

Estimated area of occupancy (AOO) (km²): 2.55km²

Continuing decline in area of occupancy (AOO) Yes

Extreme fluctuations in area of occupancy (AOO) Yes

Estimated extent of occurrence (EOO) (km²) 7.65km²

Continuing decline in extent of occurrence (EOO) Yes

Extreme fluctuations in extent of occurrence (EOO) No

Continuing decline in number of locations Yes

Extreme fluctuations in the number of locations No