



# Brown Shrimp Beam Trawler Typical Cutter DEU-CSH-34

- German Bight, southern North Sea -



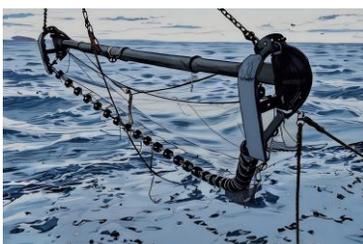
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## BACKGROUND

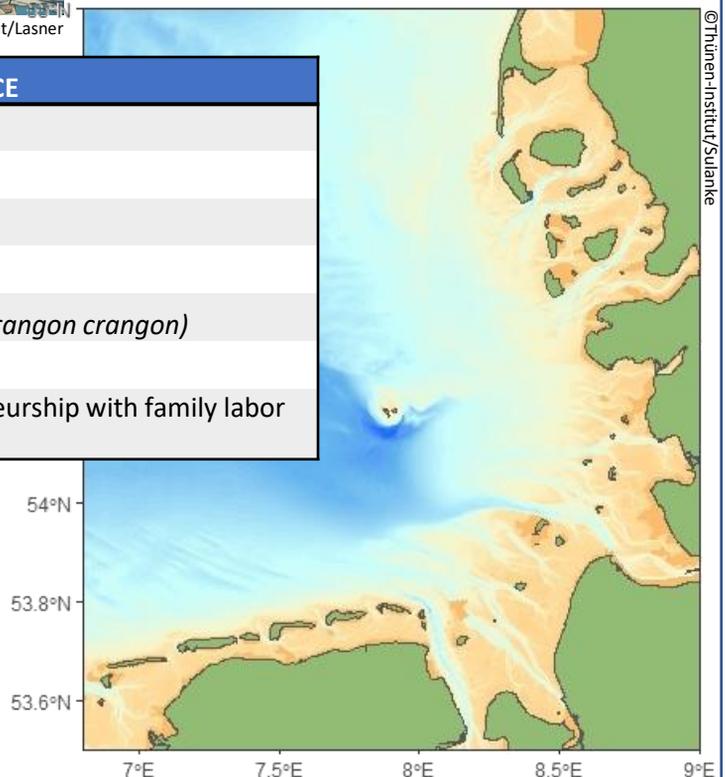
With its low draft, the brown shrimp beam trawler is designed to operate in the shallow Wadden Sea areas of the German Bight. The brown shrimp fishery is characterized by significant price fluctuations and highly variable catch rates. Regarding the German brown shrimp fleet (comprising approximately 150 vessels in 2024), there was a negative trend in landings and returns from 2019 onwards.

## AT FIRST GLANCE

Length (m)	16.5
Gross tons (GT)	34
Engine power (kW)	221
Days-at-sea	~ 143
Target species	Brown shrimp ( <i>Crangon crangon</i> )
Crew size	2
Company structure	Single Entrepreneurship with family labor



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FISHING TECHNIQUE	
Season	Mar – Dec
CPUE (kg/h) <small>(catch per unit of effort)</small>	~20-40
Trip duration (h)	12-18
Fuel use (l/h)	28
Gear	Beam trawl

FISHERY PERFORMANCE	2019	2022	2023
Fishing hours (h)	1,750	2,000	1,600
Total landings (kg)	40,000	50,000	33,000
Average price (€/kg)	2.90	6,07	6.93
Revenue (€)	118,000	303,600	226,300
Net vessel income (€)	- 8,797	65,235	15,731
ROI (%)	- 3.6	- 0.7	- 2.6

FTE & PRODUCTIVITY	2019	2022	2023
FTE (h/LU)	2.42	2.22	1.80
Economic productivity <small>(€ returns per € labour costs)</small>	3.16	2.18	2.19
Physical productivity <small>(kg per h labour input)</small>	9.17	12.50	10.15

CASH COSTS (€/kg LW)	2019	2022	2023
Fixed costs	1.4	1.07	1.73
Wages	0.58	1.19	1.35
Diesel	0.36	1.14	1.23
Other variable costs	0.58	0.23	0.27
Gear maintenance	0.19	0.21	0.34
Crew catering	0.05	0.06	0.08
Interests	0.05	0.08	0.13

COSTS & RETURNS (€/kg LW)	2019	2022	2023
Cash costs	2.84	3.98	5.12
Depreciation	0.43	0.78	1.29
Opportunity costs	0.54	1.76	2.15
Market returns	2.76	6.07	6.93

## Profitability DEU-CSH-34

