

Stratigraphische Untersuchungen an molluskenführenden Terrassensedimenten und ihren Deckschichten im mittleren Neckarbecken (Württemberg)

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Zusammenfassung: Im Rahmen geomorphologischer Untersuchungen von Flussterrassen und ihren Deckschichten werden im mittleren Neckarraum drei neue Aufschlüsse beschrieben und die darin enthaltenen fossilen Molluskenfaunen vorgestellt. In zwei Fällen (Heilbronn-Böckingen und Obereisesheim) handelt es sich bei den fossilführenden Sedimenten um Sande, Kiese und Hochflutlehme, welche die vorletzt-kaltzeitlichen Schotter der 5-7 m-Terrasse i.S.v. BIBUS (2002) abschließen. Die Molluskenfunde bestätigen, dass es sich im mittleren Neckarbecken bei Hochflutsedimenten auf der 5-7 m-Terrasse um warmzeitliche Bildungen handelt, welche in das Eem gestellt werden müssen. Die gleiche Höhenlage der Vorkommen belegt, dass es nach dem Eem im Heilbronner Raum zu keiner großräumigen Tektonik gekommen ist. In Bietigheim-Bissingen wurden Mittelterrassenschotter (Basis ca. 20 m über Enzniveau) sowie deren Deckschichten untersucht. Die überaus artenreiche Molluskenfauna mit *Theodoxus serratilineiformis*, *Cochlostoma scalarinum saueri* u.a. beweist, dass es sich dabei um ein Äquivalent derjenigen Schotter handelt, deren Molluskenfauna bereits 1914 von

GEYER veröffentlicht wurde, und die seitdem zu den bedeutendsten Fundstellen mittelpleistozäner Mollusken in Deutschland zählt. Aufgrund der terrassenmorphologischen Situation sowie zusätzlicher Nachweise chronostratigraphisch aussagekräftiger Molluskenarten, war es erstmals möglich, eine genauere Altersbestimmung durchzuführen. Alle bisher vorliegenden Daten sprechen dafür, dass es sich bei den molluskenführenden Mittelterrassenschottern von Bietigheim-Bissingen um Bildungen der fünftletzten Warmzeit (OIS 13, Cromer IV i.S.v. ZAGWIJN 1989) handelt.

Abstract: In the context of geomorphologic studies, results from three new river terrace exposures in the middle Neckar region (SW-Germany) are presented. At two sites (Heilbronn-Böckingen and Obereisesheim) mollusc bearing sediments of sand, gravel, and flood plain loam overlay the gravels of the 5-7 meter terrace *sensu* BIBUS (2002). The fossil record confirms that the flood plain sediments on the 5-7 meter terrace origin from a warm period, which must be the Eemian. Since these sediments occur at the same altitude it is concluded that there have been no wide spread tectonic processes in the Heilbronn region after the Eemian.

Middle terrace-gravels (base about 20 m above the level of present river Enz) and their respective cover layers were investigated at the site Bietigheim-Bissingen. The species rich mollusc fauna with *Theodoxus serratilineiformis*, *Cochlostoma scalarinum saueri* proves that these deposits are an equivalent of the gravels investigated by GEYER in 1914. Since this publication, the same fauna still belongs to the most important findings of middle Pleistocene molluscs in Germany. Based on the terrace-morphologic setting and supported by evidence from chronostratigraphi-

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Table of Contents Sporen Stratigraphische Untersuchungen

1. Understanding the eBook Sporen Stratigraphische Untersuchungen
 - The Rise of Digital Reading Sporen Stratigraphische Untersuchungen
 - Advantages of eBooks Over Traditional Books
2. Identifying Sporen Stratigraphische Untersuchungen
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Sporen Stratigraphische Untersuchungen
 - User-Friendly Interface
4. Exploring eBook Recommendations from Sporen Stratigraphische Untersuchungen
 - Personalized Recommendations
 - Sporen Stratigraphische Untersuchungen User Reviews and Ratings
 - Sporen Stratigraphische Untersuchungen and Bestseller Lists
5. Accessing Sporen Stratigraphische Untersuchungen Free and Paid eBooks
 - Sporen Stratigraphische Untersuchungen Public Domain eBooks
 - Sporen Stratigraphische Untersuchungen eBook Subscription Services
 - Sporen Stratigraphische Untersuchungen Budget-Friendly Options
6. Navigating Sporen Stratigraphische Untersuchungen eBook Formats

- ePub, PDF, MOBI, and More
- Sporen Stratigraphische Untersuchungen Compatibility with Devices
- Sporen Stratigraphische Untersuchungen Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Sporen Stratigraphische Untersuchungen
 - Highlighting and Note-Taking Sporen Stratigraphische Untersuchungen
 - Interactive Elements Sporen Stratigraphische Untersuchungen
- 8. Staying Engaged with Sporen Stratigraphische Untersuchungen
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Sporen Stratigraphische Untersuchungen
- 9. Balancing eBooks and Physical Books Sporen Stratigraphische Untersuchungen
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Sporen Stratigraphische Untersuchungen
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Sporen Stratigraphische Untersuchungen
 - Setting Reading Goals Sporen Stratigraphische Untersuchungen
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Sporen Stratigraphische Untersuchungen
 - Fact-Checking eBook Content of Sporen Stratigraphische Untersuchungen
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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