

TK50 L5728 BAD KONIGSHOFEN I GRABFELD TOPOGRAPHIS Document

tk50 l5728 bad konigshofen i grabfeld topographis is a fascinating subject that combines geographic, historical, and topographical insights about this charming town situated in the heart of Germany. Located within the Thuringia region, Bad Königshofen i. Grabfeld boasts a rich landscape marked by rolling hills, lush forests, and unique geological formations. Understanding the topography of this area not only provides valuable insights into its natural beauty but also sheds light on its historical development, settlement patterns, and environmental significance. In this comprehensive guide, we will explore the topography of Bad Königshofen i. Grabfeld in detail, covering its geographic features, natural landmarks, climate influences, and the importance of its landscape for local life and tourism.

Overview of Bad Königshofen i. Grabfeld

Location and Regional Context

Bad Königshofen i. Grabfeld is a small spa town located in the Thuringia region of central Germany. It lies within the district of Schmalkalden-Meiningen and is known for its thermal springs, historic architecture, and scenic surroundings. The town's geographic position places it amidst a varied landscape that includes uplands, river valleys, and forested areas.

Historical Significance

Historically, Bad Königshofen has been a site of healing and relaxation due to its thermal waters. Its topography has played a significant role in shaping its development ? from early settlements nestled in valleys to modern spa resorts perched on gentle hills.

Geographic and Topographical Features

Elevation and Landscape Overview

The terrain of Bad Königshofen i. Grabfeld is characterized by gentle to moderate elevations, typically ranging from about 250 to 400 meters above sea level. The landscape is predominantly composed of:

- Uplands and hills

- River valleys
- Forested areas
- Open agricultural plains

The area's topography facilitates a diverse ecosystem and offers breathtaking vistas for residents and visitors alike.

Major Geographic Features

The main topographical features include:

- **Grabfeld Basin:** The central lowland area where the town is situated, offering fertile grounds and thermal springs.
- **Hills of the Thuringian Forest:** Located to the west, these provide a scenic backdrop and hiking opportunities.
- **Rivers and Water Bodies:** The Main river and its tributaries meander through the region, shaping the valley landscapes.
- **Thermal Springs:** Unique geothermal features that have contributed to the town's development as a spa destination.

Topographical Map and Spatial Layout

Modern topographical maps of Bad Königshofen i. Grabfeld showcase contour lines indicating elevation changes, land use, and natural features. These maps highlight the town's strategic placement in a basin surrounded by higher terrain, providing natural protection and scenic vistas.

Natural Landmarks and Topographical Highlights

Thermal Springs and Spa Areas

The thermal springs are one of the most notable features, with mineral-rich waters rising from deep underground. The springs are situated in low-lying areas, benefiting from the basin's natural accumulation of geothermal activity.

Forests and Natural Reserves

Surrounding the town are extensive forests, which contribute to the region's biodiversity. Notable reserves include:

- Thuringian Forest
- Grabfeld Forests

These areas are characterized by dense tree cover, uneven terrain, and diverse flora and fauna.

Hills and Elevated Areas

While the town itself is relatively flat, nearby hills offer panoramic views and outdoor recreation opportunities. These include:

- Heights along the Thuringian Forest
- Local hilltops like the Kichberg

River Valleys and Waterways

The river valleys are crucial to the region's topography, providing fertile land and influencing settlement locations. The main waterway, the Grabfeld River, meanders through the basin, contributing to the area's lushness.

Climate and Topography Interactions

Influence of Topography on Climate

The gentle elevation and basin topography influence local climate patterns:

- **Temperature Moderation:** The basin's low-lying nature helps moderate temperature fluctuations, creating a mild climate suitable for spa tourism.
- **Precipitation Patterns:** Elevated areas and forests contribute to localized rainfall, supporting lush vegetation.
- **Wind and Microclimates:** Hills and forests create microclimates that impact agriculture and natural ecosystems.

Impacts on Agriculture and Vegetation

The topography supports diverse land use:

- Fertile plains in the basin are ideal for farming
- Forested hills provide timber and recreational space

- Water bodies enable irrigation and sustain local flora

Topographical Challenges and Preservation Efforts

Environmental Concerns

The region faces challenges related to:

- Urban expansion impacting natural landscapes
- Deforestation and habitat loss
- Water pollution affecting springs and rivers

Conservation and Sustainable Development

Efforts are underway to preserve the natural topography:

- Designating protected natural reserves
- Implementing sustainable tourism practices
- Restoring natural watercourses and forest areas

Tourism and Recreation Based on Topography

Hiking and Outdoor Activities

The varied terrain makes Bad Königshofen i. Grabfeld a popular destination for outdoor enthusiasts. Trails wind through forests, hills, and along riverbanks, offering scenic views and physical activity opportunities.

Thermal Spa Tourism

The thermal springs, situated within the basin, attract visitors seeking relaxation and health treatments, leveraging the region's natural geothermal features.

Scenic Views and Photography

The elevation differences provide numerous vantage points for panoramic photography, especially from hilltops and forested areas.

Conclusion: The Significance of Topography in Bad Königshofen i.

Grabfeld

The topography of Bad Königshofen i. Grabfeld is integral to its identity, influencing climate, natural beauty, settlement patterns, and economic activities such as tourism and agriculture. The interplay of gentle basins, surrounding hills, rivers, and forests creates a landscape that is both picturesque and functional. Preserving this topographical diversity is essential for maintaining the region's ecological health and enhancing its appeal as a destination for visitors seeking relaxation, adventure, and natural beauty.

Understanding the detailed topography of Bad Königshofen i. Grabfeld not only enriches appreciation of its natural environment but also guides sustainable development and conservation efforts. Whether you are a traveler, environmentalist, or geographer, exploring this region's topographical features offers valuable insights into how natural landscapes shape human activity and cultural heritage.

If you seek further details or specific maps, topographical data, or historical insights about Bad Königshofen i. Grabfeld, consulting local geographic surveys, geological studies, and regional planning documents can provide more in-depth information.

tk50 l5728 bad konigshofen i grabfeld topographis: An In-Depth Exploration of the Region's Geography, Significance, and Features

When exploring the diverse landscapes of Germany, particularly within Thuringia, the designation tk50 l5728 bad konigshofen i grabfeld topographis emerges as a key reference point. This code not only pinpoints a specific area but also invites a detailed examination of Bad Königshofen im Grabfeld's topography, its geographical importance, and how it influences local life, history, and tourism. In this article, we will delve into the intricacies of this region, breaking down its physical features, historical significance, and unique topographical elements.

Understanding the Context of tk50 l5728 Bad Königsfhofen im Grabfeld

Before diving into the topographical specifics, it's essential to understand what the code tk50 l5728 signifies. Typically, such codes are part of geospatial referencing systems used in mapping and geographic information systems (GIS). They help identify precise locations within a broader region, which in this case is Bad Königsfhofen im Grabfeld, a municipality situated in the Thuringian region of Germany.

Bad Königsfhofen im Grabfeld is renowned for its picturesque landscapes, historical architecture, and rural charm. The "im Grabfeld" part of its name indicates its location within the Grabfeld, a fertile and historically significant plain in Thuringia. The "tk50 l5728" code likely relates to a specific mapping grid or topographical survey segment, allowing researchers, geographers, and travelers to

locate and study the terrain precisely.

The Geographic Location and Its Significance

Geographic Setting

Bad Königshofen im Grabfeld is situated in eastern Thuringia, bordering the states of Bavaria and Saxony-Anhalt. The region is characterized by:

- Rolling Hills and Low Mountains: The area features gentle elevations with some small mountain ranges, like the Thuringian Forest nearby.
- Fertile Plains: The Grabfeld plain provides rich soil, making it an agricultural hub.
- Rivers and Waterways: The Werra River and its tributaries meander through the landscape, shaping its topography.

Strategic and Historical Importance

Historically, this region's topography has influenced settlement patterns, trade routes, and defensive strategies. Its fertile plains supported ancient farming communities, while the surrounding hills provided natural defense.

Topographical Features of Bad Königshofen im Grabfeld

- Landforms and Elevation

The terrain in Bad Königshofen im Grabfeld is primarily characterized by:

- Gentle Slopes and Plains: Most of the immediate area consists of flat to mildly undulating terrain, suitable for agriculture.
- Hills and Small Ranges: Nearby elevations include the Hörselberg and parts of the Thuringian Forest, offering scenic views and natural borders.
- Elevation Variance: The elevation ranges from approximately 200 to 400 meters above sea level, with specific points like local hilltops offering panoramic vistas.

- Soil and Vegetation

- Soil Composition: The region's soil is predominantly loamy and fertile, supporting diverse crops such as cereals, potatoes, and vineyards.

- Vegetation: Mixed forests are common on the hills, with deciduous species like oak and beech, along with conifers in higher elevations.

- Water Features

- Rivers and Streams: The Werra River and its tributaries shape the local drainage system, influencing agriculture and settlement locations.

- Wetlands: Some low-lying areas may feature wetlands or marshes, vital for biodiversity.

- Human Impact on Topography

- Agricultural Terraces and Fields: Human activity has modified the landscape through terracing and field division.

- Roads and Infrastructure: Modern roads follow natural contours, often utilizing valleys and ridges for efficient routes.

Analyzing the Topography: Tools and Methods

Understanding the topography of a region like Bad Königshofen im Grabfeld involves various tools and techniques:

- Topographical Maps: Detailed maps that display elevation contours, landforms, and water bodies.

- GIS and Remote Sensing: Satellite imagery and GIS data (potentially linked to codes like tk50 l5728) help visualize terrain features precisely.

- Field Surveys: Physical exploration and measurement provide ground-truth data to complement remote data.

- Digital Elevation Models (DEMs): 3D representations of terrain used for analysis in urban planning, agriculture, and environmental management.

Practical Implications of the Topography

Agriculture and Land Use

The fertile plains and gentle slopes make Bad Königshofen an ideal location for farming, influencing:

- Crop selection
- Irrigation planning
- Soil conservation practices

Urban Development

Understanding the topography guides construction, ensuring buildings are safe from flooding and landslides, especially in areas near water bodies or on slopes.

Tourism and Recreation

The scenic hills and natural features attract hikers, nature lovers, and tourists. Proper knowledge of the terrain allows for the development of trails and outdoor activities.

Notable Landmarks and Topographical Highlights

- Hörsselberg: A small mountain or hill offering panoramic views and historical sites.
- Werra River Valleys: These provide natural routes for travel and settlement.
- Canyons and Cliffs: In some parts, erosion has created interesting geological formations.

Preservation and Environmental Considerations

Maintaining the natural topography is vital for:

- Biodiversity conservation
- Flood prevention
- Sustainable agriculture

Efforts involve monitoring landscape changes, promoting eco-friendly farming, and protecting waterways.

Conclusion

The phrase tk50 l5728 bad konigshofen i grabfeld topographis encapsulates a specific geographic and topographical identity within the broader context of Thuringia's landscape. By examining the

landforms, water features, soil types, and human influences, we gain a comprehensive understanding of how the region's physical features shape its culture, economy, and environment. Whether for academic study, urban planning, or tourism, a detailed grasp of the topography is essential for sustainable development and appreciation of this charming part of Germany.

Understanding the topographical nuances of Bad Königshofen im Grabfeld illuminates the intricate relationship between land and life, highlighting both natural beauty and the importance of responsible stewardship of this unique landscape.

Question What is the significance of the TK50 L5728 in Bad Königshofen im Grabfeld? The TK50 L5728 is a notable topographical map or geological marker relevant to the Bad Königshofen im Grabfeld area, helping to understand the region's landscape and geological features. Where can I find detailed topographical information about Bad Königshofen im Grabfeld related to TK50 L5728? Detailed topographical data can be accessed through local geological surveys, geographic information systems (GIS), or regional mapping agencies that provide maps and data on TK50 L5728. What does the code L5728 represent in the context of Bad Königshofen im Grabfeld's topography? The code L5728 likely refers to a specific geological or topographical map sheet or dataset used for detailed mapping and analysis of the Bad Königshofen im Grabfeld region. Are there any recent studies or publications focusing on the topography of Bad Königshofen im Grabfeld using TK50 L5728? Yes, recent geological or geographic studies often utilize codes like TK50 L5728 to analyze the region's landscape; checking academic journals or regional geological institutes can provide the latest publications. How does the topography of Bad Königshofen im Grabfeld influence local land use and development? The region's topography, as detailed by TK50 L5728, impacts land use decisions, agriculture, construction, and conservation efforts by providing critical information about elevation, terrain, and geological stability. Can I access interactive maps showing the topography of Bad Königshofen im Grabfeld with reference to TK50 L5728 online? Yes, many geographic or geological data portals provide interactive maps where TK50 L5728 can be viewed alongside other topographical features of Bad Königshofen im Grabfeld. What are the common challenges in mapping the topography of Bad Königshofen im Grabfeld using datasets like TK50 L5728? Challenges include data resolution limitations, changes in terrain over time, accessibility of remote areas, and ensuring data accuracy for precise topographical analysis. How does TK50 L5728 help in understanding the geological history of Bad Königshofen im Grabfeld? By analyzing the topographical features represented by TK50 L5728, geologists can infer historical geological processes, such as sedimentation, faulting, and erosion, shaping the region over time.

Related keywords: TK50, L5728, Bad Königshofen, Grabfeld, topography, geological map, topographical survey, landforms, geographic features, mapping data

tk50 I5730 coburg topographische karte 1 50000 tk

tk50 I5730 coburg topographische karte 1 50000 tk ist eine bedeutende topographische Karte, die speziell für die Region Coburg und deren Umgebung im Maßstab 1:50.000 erstellt wurde. Diese detaillierte Karte bietet eine umfassende Übersicht über das Gelände, die Infrastruktur, die natürlichen und künstlichen Merkmale der Region und ist sowohl für professionelle Nutzer als auch für Hobbykartographen, Wanderer und Forscher von großem Wert. In diesem Artikel erfahren Sie alles Wichtige über die tk50 I5730 Coburg topographische Karte, ihre Anwendungsgebiete, Vorteile, wie sie genutzt wird, und warum sie eine unverzichtbare Ressource für die Region ist.

Was ist die tk50 I5730 Coburg topographische Karte 1:50.000 tk?

Definition und Bedeutung

Die tk50 I5730 Coburg topographische Karte ist eine topographische Karte im Maßstab 1:50.000, die auf der offiziellen topographischen Kartografie basiert. Das Kürzel "tk50" steht für "Topographische Karte im Maßstab 1:50.000", während "I5730" die spezifische Kartennummer oder Katalognummer repräsentiert, die die Karte lokalisiert. "Coburg" gibt die geografische Region an, für die die Karte erstellt wurde, während "topographische Karte" auf die Art der Darstellung hinweist.

Diese Kartenart ist bekannt für ihre hohe Detailtreue und Präzision. Sie zeigt Höhenlinien, Geländeformen, Flüsse, Straßen, Wege, Gebäude, Wälder, landwirtschaftliche Flächen, Gewässer und weitere wichtige geografische Merkmale. Die Karte ist ein unverzichtbares Werkzeug für vielfältige Anwendungen, sei es in der Planung, im Naturschutz, bei Outdoor-Aktivitäten oder in der Forschung.

Historische Entwicklung und Aktualität

Die topographischen Karten in Deutschland haben eine lange Tradition, die bis ins 19. Jahrhundert zurückreicht. Mit der Digitalisierung und modernen Kartografie wurden diese Karten kontinuierlich aktualisiert, um den sich ändernden Gegebenheiten gerecht zu werden. Die tk50 I5730 Coburg topographische Karte ist eine aktuelle Version, die auf neuesten Vermessungsdaten basiert, um eine hohe Genauigkeit zu gewährleisten.

Sie wird regelmäßig durch Landesbehörden, Vermessungsämter und geowissenschaftliche Institute aktualisiert. Für Nutzer bedeutet dies, dass sie auf verlässliche und präzise Informationen zugreifen können, die den aktuellen Zustand der Region widerspiegeln.

Hauptmerkmale der tk50 I5730 Coburg topographische Karte

Detailgenauigkeit und Maßstab

Der Maßstab 1:50.000 bedeutet, dass 1 Zentimeter auf der Karte 500 Metern in der Realität

entspricht. Dies ermöglicht eine gute Balance zwischen Detailreichtum und Übersichtlichkeit, was die Karte ideal für Wandertouren, regionale Planung und wissenschaftliche Analysen macht.

Die Karte zeigt:

- Höhenlinien, die die Geländestruktur sichtbar machen
- Detaillierte Straßen- und Wegnetzwerke
- Flüsse, Seen und Feuchtgebiete
- Wälder, landwirtschaftliche Flächen und Naturschutzgebiete
- Bebauung, Siedlungen und wichtige Gebäude
- Infrastruktur wie Schienenwege, Kraftwerke und Industrieanlagen

Geländedarstellung

Ein zentrales Merkmal der topographischen Karte ist die Darstellung des Geländes durch Höhenlinien, Schummerung und Farbcodierung. Dies ermöglicht es Nutzern, die Höhenunterschiede und die Topografie der Region auf einen Blick zu erfassen.

Multifunktionale Nutzungsmöglichkeiten

Diese Karte ist vielseitig einsetzbar. Hier sind einige der wichtigsten Anwendungsbereiche:

- Outdoor-Aktivitäten: Wandern, Radfahren, Geocaching und Naturerkundungen profitieren von der detaillierten Geländedarstellung.
- Stadt- und Regionalplanung: Behörden nutzen die Karte für Infrastrukturplanung, Umweltmanagement und Entwicklungsprojekte.
- Forschung und Wissenschaft: Geographen, Umweltwissenschaftler und Historiker verwenden die Karte für Analysen und Studien.
- Notfallmanagement: Einsatzkräfte greifen auf die Karte zu, um in Katastrophenfällen schnell Orientierung zu finden.
- Bildung: Schulen und Universitäten verwenden die Karte für Unterricht und Studien im Fach Geographie.

Vorteile der tk50 I5730 Coburg topographischen Karte

Hochpräzise Vermessung

Die Karte basiert auf modernster Vermessungstechnologie, inklusive GPS-Daten, Luftbildern und terrestrischen Messungen, was eine hohe Genauigkeit garantiert.

Benutzerfreundliche Gestaltung

Die klare Symbolik, Farbcodierung und Legende erleichtern die Orientierung und das Verständnis der dargestellten Informationen.

Umfangreiche Detailtiefe

Von kleinen Wegen bis zu großen Flüssen ? die Karte bietet eine umfassende Übersicht, die für verschiedenste Zwecke geeignet ist.

Aktualität

Regelmäßige Updates stellen sicher, dass die Karte den aktuellen Gegebenheiten entspricht, was besonders bei Infrastrukturprojekten und Naturschutzmaßnahmen wichtig ist.

Vielseitige Anwendungen

Ob für Freizeit, Beruf oder Forschung ? die Karte deckt eine breite Palette an Bedürfnissen ab.

So nutzen Sie die tk50 I5730 Coburg topographische Karte effektiv

Beschaffung und Zugriff

Die Karte kann in gedruckter Form bei regionalen Vermessungsstellen, Kartotheken oder spezialisierten Händler erworben werden. Zudem bieten viele Anbieter digitale Versionen an, die auf GIS-Systemen genutzt werden können.

Einbindung in digitale Systeme

Für professionelle Nutzer ist die Integration der Karte in Geoinformationssysteme (GIS) möglich, was eine noch detailliertere Analyse und Bearbeitung erlaubt.

Verwendung in der Praxis

- Planung von Wanderwegen und Routen
- Analyse von Geländestrukturen für Bauprojekte
- Umweltüberwachung und Naturschutzmaßnahmen
- Einsatz in der Katastrophenhilfe und im Rettungsdienst

Warum ist die tk50 I5730 Coburg topographische Karte 1:50.000 so

wichtig?

Fundament für regionale Entwicklung

Sie bildet die Grundlage für nachhaltige Planung und Entwicklung in der Region Coburg, indem sie präzise Geländedaten liefert.

Unterstützung des Naturschutzes

Durch die detaillierte Darstellung von Naturräumen und Schutzgebieten trägt die Karte zum Erhalt der Biodiversität bei.

Förderung des Tourismus

Wanderer, Radfahrer und Naturbegeisterte profitieren von der genauen Orientierung und Routenplanung.

Wissenschaftliche Forschung

Die Karte ist eine unverzichtbare Ressource für Geographen, Historiker und Umweltforscher, die regionale Analysen durchführen.

Fazit: Die Bedeutung der tk50 I5730 Coburg topographischen Karte

Die tk50 I5730 Coburg topographische Karte im Maßstab 1:50.000 ist ein unverzichtbares Werkzeug für alle, die eine genaue, detaillierte und aktuelle Darstellung der Region Coburg benötigen. Sie unterstützt vielfältige Anwendungen ? von Freizeitaktivitäten über professionelle Planung bis hin zu wissenschaftlichen Studien. Mit ihrer hohen Präzision, benutzerfreundlichen Gestaltung und Aktualität ist sie eine wertvolle Ressource, die die Erkundung, Planung und den Schutz der Region erheblich erleichtert.

Ob Sie ein begeisterter Wanderer, ein Stadtplaner, ein Umweltforscher oder einfach nur jemand sind, der die Schönheit und Komplexität Coburgs verstehen möchte ? die tk50 I5730 topographische Karte ist Ihr zuverlässiger Begleiter. Investieren Sie in diese hochwertige Karte und gewinnen Sie einen umfassenden Einblick in die vielfältige Topografie und Infrastruktur der Region Coburg.

Schlüsselwörter für SEO:

- tk50 I5730 Coburg topographische Karte
- Karte 1:50.000 Coburg

- topographische Karte Deutschland
- regionale Karten Coburg
- Geländekarte Coburg
- Wanderkarte Coburg
- topographische Landkarten
- digitale topographische Karte Coburg
- Vermessung Coburg
- Geoinformationssystem Coburg

tk50 I5730 coburg topographische karte 1 50000 tk: An In-Depth Examination of Its Historical Significance, Technical Specifications, and Contemporary Relevance

Introduction

Maps have long served as vital tools for navigation, territorial understanding, and cultural documentation. Among the myriad of cartographic resources, topographic maps are particularly valued for their detailed representation of terrain, infrastructure, and land use. The tk50 I5730 coburg topographische karte 1 50000 tk stands out as a significant example within this domain, especially within the context of German cartography. This article embarks on a comprehensive investigation into this specific map series, exploring its origins, technical features, usage history, and current relevance, aiming to provide a thorough understanding for researchers, enthusiasts, and professionals alike.

Historical Context and Origin of the tk50 I5730 Coburg Topographische Karte

The Evolution of German Topographic Mapping

Germany's cartographic history is rich, with systematic mapping efforts dating back centuries. The development of topographic maps accelerated during the 19th and 20th centuries, driven by military, scientific, and infrastructural needs. The series designated by the tk50 and I5730 codes are part of this broader tradition, reflecting meticulous efforts to document the terrain with precision.

The Role of the Bundesamt für Kartographie und Geodäsie (BKG)

The Bundesamt für Kartographie und Geodäsie (BKG), Germany's national mapping agency, has historically overseen large-scale topographic mapping projects. The tk50 series, including the I5730 sheet covering the Coburg region, was produced under this institutional umbrella, aligning with national standards and technological capabilities of its time.

The Coburg Region's Significance

Coburg, located in northern Bavaria, has a storied history as a duchy and cultural hub. Its diverse landscape—ranging from rolling hills to urban areas—necessitated detailed cartographic documentation, especially during periods of political change, infrastructural development, and scientific exploration. The tk50 I5730 map encapsulates these efforts, serving both military and civilian needs.

Technical Specifications and Cartographic Features

Scale and Coverage

- Scale: 1:50,000 (or 1 cm on the map equals 500 meters on the ground). This scale strikes a balance between detail and overview, suitable for regional planning, navigation, and environmental assessment.
- Coverage Area: The I5730 sheet specifically covers the Coburg area, including adjacent towns, natural features, and transportation networks, forming part of the broader tk50 series covering entire regions.

Map Design and Symbols

- Topographical Detail: Contour lines depict elevation changes, with intervals typically set at 10 meters, allowing users to interpret terrain undulations effectively.
- Hydrography: Rivers, streams, lakes, and wetlands are precisely marked, with symbols conforming to standardized conventions.
- Vegetation and Land Use: Forested areas, agricultural zones, urban spaces, and recreational grounds are differentiated through shading and specific symbols.
- Transportation Infrastructure: Roads (primary, secondary, local), railways, bridges, and tunnels are meticulously represented, facilitating navigation and infrastructure planning.
- Built Environment: Urban centers, individual buildings, landmarks, and administrative boundaries are included, offering a comprehensive landscape overview.

Cartographic Accuracy and Data Sources

Produced during a period when aerial photography and ground surveys were primary data sources, the tk50 I5730 map demonstrates high fidelity to real-world features. The accuracy standards adhered to were aligned with national and international mapping conventions, ensuring reliability for various applications.

Usage and Applications of the tk50 I5730 Coburg Topographische Karte

Military and Defense

Historically, topographic maps like the tk50 I5730 served military strategic planning, troop movements, and logistical operations. Their detailed terrain data was crucial during conflicts, training exercises, and defense infrastructure development.

Civil Engineering and Urban Planning

Urban development projects, transportation planning, and environmental management have relied on such detailed maps. Civil engineers used the tk50 I5730 for infrastructure design, land subdivision, and disaster mitigation planning.

Environmental and Geographic Research

Researchers studying landforms, ecosystems, and hydrology utilized the map to analyze terrain features, water systems, and land cover changes over time. The detailed topography provided a baseline for environmental impact assessments.

Recreational and Community Use

Hikers, cyclists, and outdoor enthusiasts employed these maps for navigation and exploration, especially in the pre-GIS era. Local communities also referenced them for land management and conservation efforts.

Contemporary Relevance and Preservation

Transition to Digital Mapping

Today, digital equivalents like GIS (Geographic Information Systems), satellite imagery, and online mapping platforms have largely supplanted paper topographic maps. However, the tk50 I5730 remains invaluable as a historical record and for precise local-scale analysis.

Preservation Challenges

- Physical Deterioration: Paper maps are susceptible to aging, fading, and physical damage.
- Data Obsolescence: Some features depicted may have changed due to urban expansion, natural erosion, or infrastructural developments.
- Digital Archiving: Efforts are underway to digitize and archive these maps to preserve their information for future generations.

Relevance for Historical and Cultural Studies

The tk50 I5730 topographische karte offers insights into the landscape and land use of the period it was produced. It serves as a primary source for historians, geographers, and archivists seeking to understand regional development and environmental change over time.

Comparative Analysis with Other Series and Maps

The tk50 Series in Context

The tk50 series encompasses numerous sheets covering different regions of Germany, each with unique local adaptations but standardized in scale and symbology. Comparing I5730 with neighboring sheets reveals regional variations in terrain representation, cartographic style, and data density.

Other Topographic Map Series

- Topographische Karte 1:25,000 (1:25,000): Offers more detail but covers smaller areas, suitable for detailed planning.
- Topographische Karte 1:100,000 (1:100,000): Provides broader overviews with less detail, useful for regional planning and overview.

The tk50 I5730 balances detail and coverage, making it a versatile resource for multiple applications.

Critical Evaluation and Limitations

While the tk50 I5730 map is comprehensive, it is subject to certain limitations:

- Temporal Specificity: Represents a snapshot in time; terrain features, infrastructure, and land use may have changed.
- Scale Limitations: Certain small or subtle features might not be accurately depicted at 1:50,000.
- Source Data Limitations: Depending on the period of production, some features might be based on aerial photographs with inherent resolution constraints or ground surveys subject to human error.

Understanding these limitations is crucial for appropriate application and interpretation.

Conclusion

The tk50 l5730 coburg topographische karte 1 50000 tk exemplifies a significant chapter in German cartography, reflecting meticulous surveying and mapping efforts that served military, civil, and scientific purposes. While digital mapping has largely supplanted such paper maps, their historical, cultural, and practical value persists. They offer invaluable insights into the landscape's past and continue to serve as foundational references for research, preservation, and education.

In an era increasingly dominated by digital geospatial data, revisiting and critically examining these traditional topographic maps ensures a comprehensive understanding of our geographical heritage, informing future mapping endeavors and land management strategies.

References

- Bundesamt für Kartographie und Geodäsie (BKG). (Various publications on German topographic mapping standards).
- Historic archives and collections containing the tk50 series maps.
- Literature on the history of German cartography and topographical mapping techniques.
- Digital repositories of scanned topographic maps for comparative analysis.

Note: The above article synthesizes available knowledge and contextual insights into the tk50 l5730 coburg topographische karte 1 50000 tk and is intended for informative and scholarly purposes.

Question Was ist die TK50 L5730 Coburg Topographische Karte im Maßstab 1:50.000?
Answer Die TK50 L5730 Coburg ist eine topographische Karte im Maßstab 1:50.000, die detaillierte geografische und topografische Informationen über die Region Coburg in Deutschland bereitstellt. Wie kann ich die TK50 L5730 Coburg Topographische Karte verwenden? Sie kann für Wanderungen, Planung von Routen, geographische Studien oder lokale Erkundungen genutzt werden, da sie wichtige Details wie Höhenlinien, Straßen und Gewässer zeigt. Wo kann ich die TK50 L5730 Coburg Topographische Karte kaufen oder herunterladen? Sie ist bei offiziellen Kartenanbietern, im Geoinformationszentrum oder online auf spezialisierten Plattformen für topographische Karten erhältlich, oft auch als Download oder gedrucktes Exemplar. Welche Besonderheiten weist die TK50 L5730 Coburg Karte im Vergleich zu anderen Karten auf? Diese Karte bietet eine hohe Detailgenauigkeit im Maßstab 1:50.000, inklusive aktueller topographischer Details, was sie ideal für präzise regionale Analysen macht. Ist die TK50 L5730 Coburg topographische Karte für professionelle Anwendungen geeignet? Ja, die Karte ist für eine Vielzahl professioneller Anwendungen geeignet, darunter Planung, Umweltanalyse und Geowissenschaften, da sie genaue und zuverlässige geografische Daten liefert. Wie aktuell sind die Daten der TK50 L5730 Coburg Karte? Die Aktualität hängt vom Veröffentlichungsdatum ab; in der Regel werden topographische Karten regelmäßig aktualisiert, um Veränderungen in der Landschaft widerzuspiegeln. Es ist ratsam, die neueste Version zu verwenden.

Related keywords: TK50, L5730, Coburg, Topographische Karte, 1:50.000, topographic map, Germany, geographic map, topography, detailed map

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