SCHEMA	TABLE	COLUMN	DEFAULT	NULLABLE	DATA_TYPE	CHAR_MAX_LENGTH	CONSTRAINT_TYPE	DESCRIPTION
annotation	AnnotatedItem							Volume metadata, as recorded in the annotation transcription source file.
annotation	AnnotatedItem	AnnotatedItemID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	AnnotatedItem	AnnotatedTitleID		NO	int	0	FOREIGN KEY	Identifier of the annotated title record.
annotation	AnnotatedItem	ItemID		YES	int	0		Identifier of the BHL item associated with this annotated item.
annotation	AnnotatedItem	ExternalIdentifier	('')	NO	nvarchar	50		Identifier that ties this record to a record in an external data source.
annotation	AnnotatedItem	Volume	('')	NO	nvarchar	10		Volume, as recorded in the transcription source file.
annotation	AnnotatedItem	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotatedItem	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	AnnotatedPage							Page metadata, as recorded in the annotation transcription source file.
annotation	AnnotatedPage	AnnotatedPageID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	AnnotatedPage	AnnotatedItemID		NO	int	0	FOREIGN KEY	Identifier of an annotated item record.
annotation	AnnotatedPage	PageID		YES	int	0		Identifier of the BHL page associated with this annotated page.
annotation	AnnotatedPage	ExternalIdentifier	('')	NO	nvarchar	50		Identifier that ties this record to a record in an external data source.
annotation	AnnotatedPage	AnnotatedPageTypeID		NO	int	0	FOREIGN KEY	Identifier of the page type.
annotation	AnnotatedPage	PageNumber	('')	NO	nvarchar	20		Page number, as recorded in the transcription source file.
annotation	AnnotatedPage	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotatedPage	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	AnnotatedPageCharacteristic							Physical details of book pages, as recorded in the annotation transcription source files.
annotation	AnnotatedPageCharacteristic	AnnotatedPageCharacteristicID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	AnnotatedPageCharacteristic	AnnotatedPageID		YES	int	0	FOREIGN KEY	Identifier of the annotated page record.
annotation	AnnotatedPageCharacteristic	CharacteristicDetail	('')	NO	nvarchar	-1		Physical details about the page (ex. Page grey paper, edge torn), including markup from the transcription source files
annotation	AnnotatedPageCharacteristic	CharacteristicDetailClean	('')	NO	nvarchar	-1		Physical details about the page, with transcription markup removed
annotation	AnnotatedPageCharacteristic	CharacteristicDetailDisplay	('')	NO	nvarchar	-1		Not used
annotation	AnnotatedPageCharacteristic	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotatedPageCharacteristic	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	AnnotatedPageType							Page types, as designated within the transcriptions of Darwin's annotation.
annotation	AnnotatedPageType	AnnotatedPageTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	AnnotatedPageType	AnnotatedPageTypeName	('')	NO	nvarchar	30		Name of the page type (ex. Front Slip, Page, End Matter)
annotation	AnnotatedPageType	AnnotatedPageTypeDescription	('')	NO	nvarchar	500		Additional description of the page type.
annotation	AnnotatedPageType	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.

annotation	AnnotatedPageType	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	AnnotatedTitle							Title metadata, as recorded in the annotation transcription source file.
annotation	AnnotatedTitle	AnnotatedTitleID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	AnnotatedTitle	AnnotationSourceID		NO	int	0	FOREIGN KEY	Identifier of the annotation source.
annotation	AnnotatedTitle	TitleID		YES	int	0		Identifier of the BHL title associated with this annotated title.
annotation	AnnotatedTitle	ExternalIdentifier	(")	NO	nvarchar	50		Identifier that ties this record to a record in an external data source.
annotation	AnnotatedTitle	Author	(")	NO	nvarchar	100		Authors of the title, as recorded in the transcription source file.
annotation	AnnotatedTitle	Title	(")	NO	nvarchar	200		Book title, as recorded in the transcription source file.
annotation	AnnotatedTitle	Edition	(")	NO	nvarchar	50		Edition, as recorded in the transcription source file.
annotation	AnnotatedTitle	Volume	(")	NO	nvarchar	50		Volume, as recorded in the transcription source file.
annotation	AnnotatedTitle	PublicationDetails	(")	NO	nvarchar	100		Publication information, as recorded in the transcription source file.
annotation	AnnotatedTitle	Date	(")	NO	nvarchar	20		Publication date, as recorded in the transcription source file.
annotation	AnnotatedTitle	Location	(")	NO	nvarchar	50		Not used
annotation	AnnotatedTitle	IsBeagleEra	(")	NO	nvarchar	200		Not used
annotation	AnnotatedTitle	Inscription	(")	NO	nvarchar	200		Not used
annotation	AnnotatedTitle	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotatedTitle	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	Annotation							Annotations found on the pages of items in BHL. Originally this table was intended to capture details of any annotations. In practice, only the details of annotations that are contained in Charles Darwin's library have been captured.
annotation	Annotation	AnnotationID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	Annotation	AnnotationSourceID		NO	int	0	FOREIGN KEY	Identifier of the annotation source.
annotation	Annotation	ExternalIdentifier	(")	NO	nvarchar	50		Identifier that ties this record to a record in an external data source.
annotation	Annotation	SequenceNumber	((1))	NO	int	0		Sequence order of the annotation. Each pages's annotations are numbered 1 to N. Used to order the annotations on a page.
annotation	Annotation	AnnotationTextDescription	(")	NO	nvarchar	-1		Not used
annotation	Annotation	AnnotationText	(")	NO	nvarchar	-1		Annotation text, including markup from the transcription source files
annotation	Annotation	AnnotationTextClean	(")	NO	nvarchar	-1		Annotation text, with transcription markup removed
annotation	Annotation	AnnotationTextDisplay	(")	NO	nvarchar	-1		Annotation text, marked up for display with HTML
annotation	Annotation	AnnotationTextCorrected	(")	NO	nvarchar	-1		Not used
annotation	Annotation	Comment	(")	NO	nvarchar	-1		Not used
annotation	Annotation	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	Annotation	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.

annotation	Annotation_AnnotationConcept							Concepts associated with annotations.
annotation	Annotation_AnnotationConcept	AnnotationID		NO	int	0	PRIMARY KEY	Identifier of the annotation.
annotation	Annotation_AnnotationConcept	AnnotationConceptCode		NO	nvarchar	20	PRIMARY KEY	Identifier of the concept.
annotation	Annotation_AnnotationConcept	AnnotationKeywordTargetID		NO	int	0	PRIMARY KEY	Identifier of the target of the concept.
annotation	Annotation_AnnotationConcept	CreationDate		NO	datetime	0		Datestamp of record creation.
annotation	Annotation_AnnotationConcept	LastModifiedDate		NO	datetime	0		Datestamp of the last update.
annotation	AnnotationConcept							Concepts represent subjects or keywords used to index annotation transcriptions. Concepts are hierarchical.
annotation	AnnotationConcept	AnnotationConceptCode		NO	nvarchar	20	PRIMARY KEY	PRIMARY KEY
annotation	AnnotationConcept	AnnotationSourceID		NO	int	0	FOREIGN KEY	Identifier of the source of the concepts
annotation	AnnotationConcept	ConceptText	(")	NO	nvarchar	100		Brief text (a word or two) describing the concept.
annotation	AnnotationConcept	ParentConceptCode		YES	nvarchar	20	FOREIGN KEY	If this concept is part of a hierarchical relationship, this is the identifier of the parent concept. Concepts at the top of the hierarchy have a NULL ParentConceptCode.
annotation	AnnotationConcept	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotationConcept	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	AnnotationKeywordTarget							Target of keywords associated to annotation transcriptions (ex. Text, Annotation). The transcriptions of Darwin's annotations are indexed with keywords. In some cases the keywords relate to Darwin's annotations, and in other cases they relate to the text of the work being annotated.
annotation	AnnotationKeywordTarget	AnnotationKeywordTargetID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	AnnotationKeywordTarget	KeywordTargetName	(")	NO	nvarchar	20		The name of the target of the keyword.
annotation	AnnotationKeywordTarget	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotationKeywordTarget	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	AnnotationNote							Notes about annotations (ex. In Pencil, In Dark Pencil)
annotation	AnnotationNote	AnnotationNoteID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	AnnotationNote	AnnotationID		NO	int	0	FOREIGN KEY	Identifier of the annotation.
annotation	AnnotationNote	NoteText	(")	NO	nvarchar	-1		Brief note about an annotation, including markup from the transcription source files
annotation	AnnotationNote	NoteTextClean	(")	NO	nvarchar	-1		Not used
annotation	AnnotationNote	NoteTextDisplay	(")	NO	nvarchar	-1		Brief note about an annotation, marked up for display with HTML
annotation	AnnotationNote	IsAlternate	((0))	NO	tinyint	0		Not used.
annotation	AnnotationNote	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotationNote	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.

annotation	AnnotationRelation							Relationships between annotations. Darwin commonly attached pages of annotations to the end of books… those annotations referred to other annotations that he made within the text. This table captures the relationships between the two sets of annotations.
annotation	AnnotationRelation	AnnotationID		NO	int	0	PRIMARY KEY	Identifier of the annotation.
annotation	AnnotationRelation	RelatedExternalIdentifier	(")	NO	nvarchar	50	PRIMARY KEY	Identifier of the related annotation, as found in the original source files (the annotation transcriptions).
annotation	AnnotationRelation	Note	(")	NO	nvarchar	-1		Additional information about this relationship.
annotation	AnnotationRelation	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotationRelation	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	AnnotationSource							Sources of annotations. Original intent was to be able to capture annotations from multiple sources. In practice, the Darwin's Library annotations are the only ones that are supported by these tables.
annotation	AnnotationSource	AnnotationSourceID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	AnnotationSource	AnnotationSourceName	(")	NO	nvarchar	30		Name of the annotation data source.
annotation	AnnotationSource	AnnotationSourceDescription	(")	NO	nvarchar	-1		Additional description of the annotation data source.
annotation	AnnotationSource	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotationSource	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	AnnotationSubject							Subjects associated with annotations.
annotation	AnnotationSubject	AnnotationSubjectID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	AnnotationSubject	AnnotationID		NO	int	0	FOREIGN KEY	Identifier of the annotation.
annotation	AnnotationSubject	AnnotationSubjectCategoryID		YES	int	0	FOREIGN KEY	Identifier of the subject category.
annotation	AnnotationSubject	AnnotationKeywordTargetID		NO	int	0	FOREIGN KEY	Identifer of the target of the subject.
annotation	AnnotationSubject	SubjectText	(")	NO	nvarchar	150		The subject/keyword associated with the annotation.
annotation	AnnotationSubject	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotationSubject	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	AnnotationSubjectCategory							Categories into which subjects associated with annotations are grouped.
annotation	AnnotationSubjectCategory	AnnotationSubjectCategoryID		NO	int	0	PRIMARY KEY	PRIMARY KEY
annotation	AnnotationSubjectCategory	AnnotationSourceID		NO	int	0	FOREIGN KEY	Identifier of the source of the categories.
annotation	AnnotationSubjectCategory	SubjectCategoryCode	(")	NO	nvarchar	20		Code that identifies the category in the annotation transcriptions.
annotation	AnnotationSubjectCategory	SubjectCategoryName	(")	NO	nvarchar	50		Name of the category. (ex. Fauna, Flora, Geology)
annotation	AnnotationSubjectCategory	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
annotation	AnnotationSubjectCategory	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
annotation	PageAnnotation							Annotations on a page.
annotation	PageAnnotation	AnnotatedPageID		NO	int	0	PRIMARY KEY	Identifier of the annotated page.
annotation	PageAnnotation	AnnotationID		NO	int	0	PRIMARY KEY	Identifier of the annotation.
annotation	PageAnnotation	PageColumn	(")	NO	nvarchar	20		Not used.

dbo	AspNetRoles							Security roles to which user accounts can be assigned.
dbo	AspNetRoles	Id		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	AspNetRoles	Name		NO	nvarchar	256		Name of the user role.
dbo	AspNetRoles	DisplaySequence	((1))	NO	int	0		Sequence order of the role used when it is necessary to display roles in a specific order.
dbo	AspNetUserClaims							Not used. Part of the ASP.NET membership system.
dbo	AspNetUserClaims	Id		NO	int	0	PRIMARY KEY	Not used.
dbo	AspNetUserClaims	UserId		NO	int	0	FOREIGN KEY	Not used.
dbo	AspNetUserClaims	ClaimType		YES	nvarchar	-1		Not used.
dbo	AspNetUserClaims	ClaimValue		YES	nvarchar	-1		Not used.
dbo	AspNetUserLogins							External logins providers (i.e. Google, Twitter, Facebook, etc)
dbo	AspNetUserLogins	LoginProvider		NO	nvarchar	128	PRIMARY KEY	Name of the external login provider.
dbo	AspNetUserLogins	ProviderKey		NO	nvarchar	128	PRIMARY KEY	Key for the external login provider.
dbo	AspNetUserLogins	UserId		NO	int	0	PRIMARY KEY	Identifier of the user account associated with the external login.
dbo	AspNetUserRoles							Users associated with each role.
dbo	AspNetUserRoles	UserId		NO	int	0	PRIMARY KEY	Identifier of the user.
dbo	AspNetUserRoles	RoleId		NO	int	0	PRIMARY KEY	Identifier of the role.
dbo	AspNetUsers							User accounts.
dbo	AspNetUsers	Id		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	AspNetUsers	FirstName		YES	nvarchar	-1		First name of the user.
dbo	AspNetUsers	LastName		YES	nvarchar	-1		Last name of the user.
dbo	AspNetUsers	Disabled		NO	bit	0		1 if the account is enabled, else 0.
dbo	AspNetUsers	Email		YES	nvarchar	256		Email address of the user.
dbo	AspNetUsers	EmailConfirmed		NO	bit	0		Not used.
dbo	AspNetUsers	PasswordHash		YES	nvarchar	-1		Hashed password of the user.
dbo	AspNetUsers	SecurityStamp		YES	nvarchar	-1		
dbo	AspNetUsers	PhoneNumber		YES	nvarchar	-1		Not used.
dbo	AspNetUsers	PhoneNumberConfirmed		NO	bit	0		Not used.
dbo	AspNetUsers	TwoFactorEnabled		NO	bit	0		Not used.
dbo	AspNetUsers	LockoutEndDateUtc		YES	datetime	0		Not used.
dbo	AspNetUsers	LockoutEnabled		NO	bit	0		Not used.
dbo	AspNetUsers	AccessFailedCount		NO	int	0		Not used.
dbo	AspNetUsers	UserName		NO	nvarchar	256		Username of the user.
audit	AuditBasic							Contains one row for each inserted. updated, or deleted row into BHL tables in the last two weeks. Most tables in the BHL database are audited. Auditing is implemented via triggers.
audit	AuditBasic	AuditBasicID		NO	int	0	PRIMARY KEY	PRIMARY KEY
audit	AuditBasic	AuditDate	(getdate())	NO	datetime	0		Datestamp for operation
audit	AuditBasic	EntityName	('')	NO	nvarchar	50		Name of the table on which the operation was performed

audit	AuditBasic	Operation		NO	nchar	1		Type of operation. D = Delete, I = Insert, U = Update.
audit	AuditBasic	EntityKey1		NO	nvarchar	100		Primary key value of the row on which the operation was performed.
audit	AuditBasic	EntityKey2		YES	nvarchar	100		Second part of the primary key value of the row on which the operation was performed.
audit	AuditBasic	EntityKey3		YES	nvarchar	100		Third part of the primary key value of the row on which the operation was performed.
audit	AuditBasic	ApplicationUserID		YES	int	0		BHL identifier of the user performing the operation. Not always captured.
audit	AuditBasic	SystemUserID		NO	nvarchar	128		SQL Server user performing the operation.
audit	AuditBasic	SQLStatement	(")	NO	nvarchar	-1		SQL statement executed to perform the operation. Only available for manual direct updates to the database.
audit	AuditBasicSummary							Contains one row for each inserted. updated, or deleted row into BHL tables between two weeks and six months ago. Does not contain detailed SQL statements.
audit	AuditBasicSummary	AuditBasicSummaryID		NO	int	0	PRIMARY KEY	PRIMARY KEY
audit	AuditBasicSummary	AuditDate		NO	datetime	0		Datestamp for operation
audit	AuditBasicSummary	EntityName		NO	nvarchar	50		Name of the table on which the operation was performed
audit	AuditBasicSummary	Operation		NO	nchar	1		Type of operation. D = Delete, I = Insert, U = Update.
audit	AuditBasicSummary	EntityKey1		NO	nvarchar	100		Primary key value of the row on which the operation was performed.
audit	AuditBasicSummary	EntityKey2		YES	nvarchar	100		Second part of the primary key value of the row on which the operation was performed.
audit	AuditBasicSummary	EntityKey3		YES	nvarchar	100		Third part of the primary key value of the row on which the operation was performed.
audit	AuditBasicSummary	ApplicationUserID		YES	int	0		BHL identifier of the user performing the operation. Not always captured.
dbo	APIKey							Keys assigned to consumers of the BHL APIs. A user is required to submit a valid key with each API request.
dbo	APIKey	ApiKeyID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	APIKey	ContactName	(")	NO	nvarchar	200		Name of the person responsible for the use of this key.
dbo	APIKey	EmailAddress	(")	NO	nvarchar	200		Email address of the person responsible for the user of this key.
dbo	APIKey	ApiKeyValue	(newid())	NO	uniqueidentifier	0		The key value.
dbo	APIKey	IsActive	((1))	NO	tinyint	0		Indicates whether this key is active. If not active, no API requests can be made using this key. (1 = active, 0 = not active)
dbo	APIKey	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	APIKey	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	Author							Authors of titles or segments. May be persons, corporations, meetings, etc.

dbo	Author	AuthorID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Author	AuthorTypeID		YES	int	0	FOREIGN KEY	Identifier of the author type.
dbo	Author	StartDate	(")	NO	nvarchar	25		Exact value depends on the author type. Example values are dates of birth and conference start dates.
dbo	Author	EndDate	(")	NO	nvarchar	25		Exact value depends on the author type. Example values are dates of death and conference end dates.
dbo	Author	Numeration	(")	NO	nvarchar	300		Numeration (ex. 3rd, IX). Applies to persons.
dbo	Author	Title	(")	NO	nvarchar	200		Title (Sir, Duke, King). Applies to persons.
dbo	Author	Unit	(")	NO	nvarchar	300		Subordinate unit. Applies to corporate authors..
dbo	Author	Location	(")	NO	nvarchar	200		Location. Applies to corporate authors, or conferences/meetings.
dbo	Author	IsActive	((1))	NO	smallint	0		Indicates whether this author is active. If not active, the author will not be indexed or shown in public BHL Uis. (1 = active, 0 = not active)
dbo	Author	RedirectAuthorID		YES	int	0		Identifier of the author to which this author has been redirected. Used when two copies of the same author are added to BHL, and one is subsequently removed. All requests for the removed author should redirected (using this identifier) to the still-available author.
dbo	Author	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	Author	LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	Author	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	Author	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	AuthorIdentifier							Identifiers (and their values) associated with authors.
dbo	AuthorIdentifier	AuthorIdentifierID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	AuthorIdentifier	AuthorID		NO	int	0	FOREIGN KEY	Identifier of the author.
dbo	AuthorIdentifier	IdentifierID		NO	int	0	FOREIGN KEY	Identifier of the identifier type.
dbo	AuthorIdentifier	IdentifierValue	(")	NO	nvarchar	125		Value of the identifier.
dbo	AuthorIdentifier	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	AuthorIdentifier	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	AuthorIdentifier	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	AuthorIdentifier	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	AuthorName							Names that are assigned to authors. In order to accommodate alternate spellings, nicknames, etc, each author may have more than one name.
dbo	AuthorName	AuthorNameID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	AuthorName	AuthorID		NO	int	0	FOREIGN KEY	Identifier of the author.
dbo	AuthorName	FullName	(")	NO	nvarchar	300		The full name of the author. This might be the combined first and last names of a person, the name of a corporation, or the name of a conference/meeting. This field is always populated.

dbo	AuthorName	LastName	(")	NO	nvarchar	150		Last name of the author. Only applies to persons. Only populated if supplied by the source of the data.
dbo	AuthorName	FirstName	(")	NO	nvarchar	150		First name of the author. Only applies to persons. Only populated if supplied by the source of the data.
dbo	AuthorName	FullerForm	(")	NO	nvarchar	150		Expanded form of a person's first name. For example, if the given first name is J.R.R, the Fuller Form of the name might be (John Ronald Ruell).
dbo	AuthorName	IsPreferredName	((0))	NO	smallint	0		Indicates if this is the preferred form of the name. The preferred name is the name that will be displayed in public user interfaces. The other names associated with an author exist primarily to support search functionality.
dbo	AuthorName	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	AuthorName	LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	AuthorName	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	AuthorName	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	AuthorRole							Author roles. In most cases, these map to MARC elements such as 100/110/111 and 700/710/711.
dbo	AuthorRole	AuthorRoleID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	AuthorRole	RoleDescription	(")	NO	nvarchar	255		Description of the role (ex. Main Entry - Personal Name).
dbo	AuthorRole	MARCDataFieldTag	(")	NO	nvarchar	3		MARC element to which this role maps.
dbo	AuthorRole	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	AuthorRole	LastModifedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	AuthorRole	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	AuthorRole	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	AuthorType							Author types. i.e Person, Corporation
dbo	AuthorType	AuthorTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	AuthorType	AuthorTypeName	(")	NO	nvarchar	50		The name of the author type.
dbo	AuthorType	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	AuthorType	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	AuthorType	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	AuthorType	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	BibliographicLevel							Bibliographic type (i.e. Monograph, Serial) that can be assigned to a title.
dbo	BibliographicLevel	BibliographicLevelID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	BibliographicLevel	BibliographicLevelName	(")	NO	nvarchar	50		Name of the bibliographic level.
dbo	BibliographicLevel	MARCCode	(")	NO	nchar	1		MARC Leader code (position 07) to which this bibliographic level maps.

dbo	Book							Metadata about each physical book represented in BHL. These are usually scanned books held either within BHL itself or at an outside partner.
dbo	Book		BookID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Book		ItemID		NO	int	0	FOREIGN KEY	Identifier of the base Item record for this book.
dbo	Book		RedirectBookID		YES	int	0	FOREIGN KEY	Identifier of the book to which this book has been redirected. Used when two copies of the same book are added to BHL, and one is subsequently removed. All requests for the removed book should redirected (using this identifier) to the still-available book.
dbo	Book		ThumbnailPageID		YES	int	0		Not used.
dbo	Book		LanguageCode		YES	nvarchar	10	FOREIGN KEY	Identifier of the language of the book.
dbo	Book		BarCode		NO	nvarchar	200		Identifier assigned to the book during scanning (if the book is held within BHL) or by a partner (if held outside BHL).
dbo	Book		MARCItemID		YES	nvarchar	200		Redundant with Barcode. No longer needed.
dbo	Book		CallNumber		YES	nvarchar	100		Call number assigned by the contributor of the book.
dbo	Book		Volume		YES	nvarchar	100		Free-text volume (and year, in some cases) for the volume scanned, as extracted from the contributing library's catalogue or applied during scanning.
dbo	Book		StartYear		YES	nvarchar	20		Year that applies to the material contained in the volume. If the volume contains material from a range of years, this is the first year in the range. Should be formatted as YYYY or YYYY-MM or YYYY-MM-DD. Initial value is extracted from the contributing library's catalogue or applied during scanning.
dbo	Book		EndYear	(")	NO	nvarchar	20		When the volume contains material from a range of years, this is the last year in the range. Should be formatted as YYYY or YYYY-MM or YYYY-MM-DD.
dbo	Book		StartVolume	(")	NO	nvarchar	10		The volume designation (generally numeric) of the book. If the book contains material from multiple volumes, this is the designation of the first volume. For example, "1" for an item that contains Volume 1 or Volumes 1-3.
dbo	Book		EndVolume	(")	NO	nvarchar	10		When the book contains material from multiple volumes, this field contains the volume designation (generally numeric) of the last volume. For example "3" for an item that contains Volumes 1-3.
dbo	Book		StartIssue	(")	NO	nvarchar	10		The issue designation (generally numeric) of the book. If the book contains material from multiple issues, this is the designation of the first issue. For example, "1" for an item that contains Issue 1 or Issues 1-3.

dbo	Book	EndIssue	(")	NO	nvarchar	10		When the item contains material from multiple issues, this field contains the issue designation (generally numeric) of the last issue. For example "3" for an item that contains Issues 1-3.
dbo	Book	StartNumber	(")	NO	nvarchar	10		The number designation (generally numeric) of the book. If the book contains material from multiple Numbers, this is the designation of the first number. For example, "1" for an item that contains Number 1 or Numbers 1-3.
dbo	Book	EndNumber	(")	NO	nvarchar	10		When the item contains material from multiple Numbers, this field contains the number designation (generally numeric) of the last number. For example "3" for an item that contains Numbers 1-3.
dbo	Book	StartSeries	(")	NO	nvarchar	10		The series designation (generally numeric) of the book. If the book contains material from multiple series, this is the designation of the first series. For example, "1" for an item that contains Series 1 or Series 1-3.
dbo	Book	EndSeries	(")	NO	nvarchar	10		When the item contains material from multiple series, this field contains the series designation (generally numeric) of the last series. For example "3" for an item that contains Series 1-3.
dbo	Book	StartPart	(")	NO	nvarchar	10		The part designation (generally numeric) of the book. If the book contains material from multiple parts, this is the designation of the first part. For example, "1" for an item that contains Part 1 or Parts 1-3.
dbo	Book	EndPart	(")	NO	nvarchar	10		When the item contains material from multiple parts, this field contains the part designation (generally numeric) of the last part. For example "3" for an item that contains Parts 1-3.
dbo	Book	IdentifierBib		YES	nvarchar	50		Local institution identfiier of the book. Harvested from IA source files, but not used.
dbo	Book	ZQuery		YES	nvarchar	200		String used to query the contributing library's catalogue to return bibliographic information about the volume during scanning.
dbo	Book	Sponsor		YES	nvarchar	100		Name of the institution that sponsered the scanning of the book.
dbo	Book	ExternalUrl	(")	YES	nvarchar	500		URL for externally hosted content related to this book.
dbo	Book	LicenseUrl	(")	YES	nvarchar	-1		URL to the license (ex. Creative Commons) that applies to the book's content.
dbo	Book	Rights	(")	YES	nvarchar	-1		Rights statement of the book. Often included with the copyright status instead of in this field.
dbo	Book	DueDiligence	(")	YES	nvarchar	-1		Due diligence statement about the book.
dbo	Book	CopyrightStatus	(")	YES	nvarchar	-1		Copyright status of the book.
dbo	Book	CopyrightRegion	(")	YES	nvarchar	50		Region in which copyright was issued. Rarely applied. Can probably be disregarded.
dbo	Book	CopyrightComment	(")	YES	nvarchar	-1		Additional comment about the copyright, entered by the scanning technician. Not used.

dbo	Book	CopyrightEvidence	(")	YES	nvarchar	-1		Evidence that supports the listed copyright status, entered by the scanning technician. Not used.
dbo	Book	ScanningUser		YES	nvarchar	100		Name or identifier of the scanning technician.
dbo	Book	ScanningDate		YES	datetime	0		Date the book was scanned.
dbo	Book	PaginationStatusID		YES	int	0	FOREIGN KEY	Identifier of the pagination status of the book.
dbo	Book	PaginationStatusDate		YES	datetime	0		Datestamp of the most recent update of the pagination status of the book.
dbo	Book	PaginationStatusUserID		YES	int	0		Identifier of the last user to update the pagination status of the book.
dbo	Book	PaginationCompleteDate		YES	datetime	0		Datestamp of when the pagination status of the book was set to Complete.
dbo	Book	PaginationCompleteUserID		YES	int	0		Identifier of the user that set the pagination status of the book to Complete.
dbo	Book	LastPageNameLookupDate		YES	datetime	0		Datestamp of the most recent time that the scientific names contained in the text of the book were indexed.
dbo	Book	IsVirtual	((0))	NO	tinyint	0		Indicates whether or not the Book is "Virtual". A Virtual book is formed by combining independently-scanned articles in the BHL UI to form a virtual complete volume. In the case of virtual books, the Book record holds the metadata for the virtual volume. 1 indicates this Book is virtual, 0 indicates it is "real".
dbo	Book	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	Book	LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	Book	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	Book	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	Book	PageProgression	(")	NO	nvarchar	10		Indicates the reading direction for this item. Possible values are "lr" for Left-to-Right and "rl" for Right-to-Left.
dbo	Book	VirtualVolumeKey	('')	NO	nvarchar	100		Key used to group together all segments that are part of a Virtual Item
dbo	Collection							Collections provide a way to group titles or items and present them as a unit on the BHL web site or at iTunesU.
dbo	Collection	CollectionID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Collection	CollectionName	(")	NO	nvarchar	50		Name of the collection.
dbo	Collection	CollectionDescription	(")	NO	nvarchar	4000		A description of the collection and what it contains.
dbo	Collection	CollectionURL	(")	NO	nvarchar	50		A one-word identifier of the collection to be used in URLs of the form http://biodiversitylibrary.org/collection/<URL>

dbo	Collection	HtmlContent	(")	NO	nvarchar	-1		An HTML fragment, suitable for rendering on the BHL web site, that provides additional detailed information about the collection. If provided, this will be displlayed at http://biodiversitylibrary.org/collection/<collectionURL>
dbo	Collection	CanContainTitles	((0))	NO	smallint	0		Indicates if this collection can contain titles. Collections can contain titles OR items, but NOT both. (1 = can contain titles, 0 = cannot contain titles)
dbo	Collection	CanContainItems	((0))	NO	smallint	0		Indicates if this collection can contain items Collections can contain titles OR items, but NOT both. (1 = can contain items, 0 = cannot contain items)
dbo	Collection	InstitutionCode		YES	nvarchar	10	FOREIGN KEY	Identifier of an institution. If this is provided, new items contributed by this institution will automatically be added to the collection.
dbo	Collection	LanguageCode		YES	nvarchar	10	FOREIGN KEY	Identifier of a language. If this is provided, new items in this language will automatically be added to the collection.
dbo	Collection	Active	((1))	NO	smallint	0		Indicates if this collection is active. If not active, it will not appear on the public BHL web site or in iTunesU.
dbo	Collection	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	Collection	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	Collection	CollectionTarget	(N'BHL')	NO	nvarchar	30		Indicates where the collection will be displayed (BHL, iTunes, Both)
dbo	Collection	ITunesImageURL	(")	NO	nvarchar	100		URL of an image to be used to represent the collection on iTunesU.
dbo	Collection	ITunesURL	(")	NO	nvarchar	100		Not used.
dbo	Collection	ImageURL	(")	NO	nvarchar	100		URL of an image to be used to represent the collection on BHL.
dbo	Collection	Featured	((0))	NO	smallint	0		Indicates if this is a featured collection. Only one collection can be featured. (1 = featured, 0 = not featured)
dbo	Configuration							Configuration values used by BHL web sites and processes.
dbo	Configuration	ConfigurationID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Configuration	ConfigurationName		NO	nvarchar	50		Key for a configuration setting.
dbo	Configuration	ConfigurationValue		NO	nvarchar	1000		Value for a configuration settting.
dbo	DOI							DOI identifiers that have been assigned to entities contained in BHL. Includes both BHL-assigned DOIs and DOIs assigned to other institutions.
dbo	DOI	DOIID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	DOI	DOIEntityTypeID		NO	int	0	FOREIGN KEY	Identifier of the type of entity to which the DOI is assigned.
dbo	DOI	EntityID		NO	int	0		Identifier of the entity to which the DOI is assigned.
dbo	DOI	DOIStatusID		NO	int	0	FOREIGN KEY	Identifier of the status of the DOI.

dbo	DOI	DOIBatchID	(")	NO	nvarchar	50		String identifier of the batch in which this DOI was sent to the registrar (CrossRef) for approval.
dbo	DOI	DOIName	(")	NO	nvarchar	50		The DOI.
dbo	DOI	StatusDate	(getdate())	NO	datetime	0		The date that the most recent status was assigned.
dbo	DOI	StatusMessage	(")	NO	nvarchar	1000		Any additional text message associated with the current status. In general, this might be an output from the DOI authority (for example, CrossRef).
dbo	DOI	IsValid	((0))	NO	smallint	0		Indiicates that the DOI is valid and ready for use. The DOI should have a status of Approved or External before it is valid. (1 = valid, 0 = not valid)
dbo	DOI	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	DOI	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	DOIEntityType							Entities that can be assigned a DOI.
dbo	DOIEntityType	DOIEntityTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	DOIEntityType	DOIEntityTypeName	(")	NO	nvarchar	50		Name of an entity that can be assigned a DOI (i.e Title, Segment)
dbo	DOIStatus							Codes that indicate the status of a DOI.
dbo	DOIStatus	DOIStatusID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	DOIStatus	DOIStatusName	(")	NO	nvarchar	30		Status of a DOI
dbo	DOIStatus	DOIStatusDescription	(")	NO	nvarchar	2000		Fuller description of a DOI status
dbo	EntityCount							Counts of various BHL entities (ex. Titles, Items). Accumulating these counts can be time-consuming, so the values contained in this table are used to display counts when performance is important and real-time accuracy is not crucial.
dbo	EntityCount	EntityCountID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	EntityCount	EntityCountTypeID		NO	int	0	FOREIGN KEY	Identifier of the count type
dbo	EntityCount	CountValue		NO	int	0		Number of occurences of the entity type
dbo	EntityCount	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	EntityCountType							Types of entities which can be counted (ex. Active Titles, Inactive Pages)
dbo	EntityCountType	EntityCountTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	EntityCountType	FullName	(")	NO	nvarchar	30		Full name of the entity type
dbo	EntityCountType	DisplayName	(")	NO	nvarchar	20		Short name of the entity type used on some user interfaces
dbo	EntityCountType	Sequence		NO	int	0		Sequence order of the type used when it is necessary to display entity counts in a specific order.
dbo	ExternalResourceType			NULL		0		Types of external resources (ex: Content, Collection Guide, Digital Exhibition)
dbo	ExternalResourceType	ExternalResourceTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ExternalResourceType	ExternalResourceTypeName	(")	NO	varchar	100		Name of the external resource type

dbo	ExternalResourceType	ExternalResourceTypeLabel	('')	NO	varchar	100		Label used for the external resource in interfaces
dbo	ExternalResourceType	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ExternalResourceType	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	ExternalResourceType	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	ExternalResourceType	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	ExternalResourceTypeIDType				NULL	0		Assignments of external resources to entity types (IDType)
dbo	ExternalResourceTypeIDType	ExternalResourceTypeIDTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ExternalResourceTypeIDType	ExternalResourceTypeID		NO	int	0	FOREIGN KEY	Identifier of an external resource type.
dbo	ExternalResourceTypeIDType	IDTypeID		NO	int	0	FOREIGN KEY	Identifier of an entity type
dbo	ExternalResourceTypeIDType	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ExternalResourceTypeIDType	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	ExternalResourceTypeIDType	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	ExternalResourceTypeIDType	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	Identifier							Types of identifiers that can be assigned to titles, segments, authors, names, and other entities.
dbo	Identifier	IdentifierID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Identifier	IdentifierType	('')	NO	nvarchar	40		The type of the identifier. In most cases these are unique and match the IdentifierName. In some cases, however, two or more Identifiers may share the same IdentifierType value. For example, both "ISSN" and "eISSN" identifiers may have an IdentifierType of "ISSN". This field helps with search and resolution services, where an ISSN value can match either ISSN or eISSN values (and it doesn't matter which it matches).
dbo	Identifier	IdentifierName	('')	NO	nvarchar	40		Name of the identifier (i.e. ISSN, OCLC)
dbo	Identifier	IdentifierLabel	('')	NO	nvarchar	50		Label used when a UI calls for a shorter description of the identifier.
dbo	Identifier	Prefix	('')	NO	nvarchar	100		A prefix for every identifier of this type (ex: https://doi.org
dbo	Identifier	PatternExpression	('')	NO	nvarchar	200		A regular expression that defines the valid identifier value format
dbo	Identifier	PatternDescription	('')	NO	nvarchar	500		A description of the valid format. Often used in UI messages.
dbo	Identifier	MaximumPerEntity	((0))	NO	int	0		The maximum number of identifiers of this type that can be assigned to any one Entity (Title/Segment/Author/etc). For example, only 1 DOI is allowed per Title or Segment. A value of 0 indicates that there is no limit.
dbo	Identifier	Display	((1))	NO	smallint	0		Indicator of whether this identifier should be shown in the public BHL UI. 1 = true, 0 = false
dbo	Identifier	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	Identifier	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	Identifier	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	Identifier	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update

dbo	IdentifierIDType							Assignments of identfiers to entity types (IDType)
dbo	IdentifierIDType	IdentifierIDTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	IdentifierIDType	IdentifierID	(")	NO	int	0		Identfier of a BHL Identifier
dbo	IdentifierIDType	IDTypeID	(")	NO	int	0		Identifier of an entity type
dbo	IdentifierIDType	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	IdentifierIDType	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	IdentifierIDType	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	IdentifierIDType	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	IDType							Entity types (i.e. Title, Segment, Author) to which identifiers apply.
dbo	IDType	IDTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	IDType	IDTypeName	(")	NO	nvarchar	50		Name of the entity (Title, Segment, Author, Name)
dbo	IDType	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	IDType	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	IDType	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	IDType	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	IndicatedPage							Indicators assigned to a page, such as "Page 1", "Plate 2", etc.
dbo	IndicatedPage	PageID		NO	int	0	PRIMARY KEY	Identifier of the Page.
dbo	IndicatedPage	Sequence		NO	smallint	0	PRIMARY KEY	Sequence order of the page indicator. Each pages's indicators are numbered 1 to N. Used to order the indicators within a page.
dbo	IndicatedPage	PagePrefix		YES	nvarchar	40		The prefix of the indicator (i.e. Page, Plate)
dbo	IndicatedPage	PageNumber		YES	nvarchar	20		The numeric indicator.
dbo	IndicatedPage	Implied		NO	bit	0		Indicates whether this page indicator is implied or explictly printed on the page. (1 = implied, 0 = explicit)
dbo	IndicatedPage	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	IndicatedPage	LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	IndicatedPage	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	IndicatedPage	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	Institution							Institutions that have contributed materials to BHL.
dbo	Institution	InstitutionCode		NO	nvarchar	10	PRIMARY KEY	PRIMARY KEY
dbo	Institution	InstitutionName		NO	nvarchar	255		The name of the institution.
dbo	Institution	Note		YES	nvarchar	255		Additional information about the contributor. Not shown in public BHL UIs.
dbo	Institution	InstitutionUrl		YES	nvarchar	255		URL for the web site of the institution.
dbo	Institution	BHLMemberLibrary	((0))	NO	bit	0		Indicator of whether this institution is a BHL member. (1 = yes, 0 = no)
dbo	Institution	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	Institution	LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	Institution	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	Institution	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update

dbo	InstitutionGroup								Institutions that have contributed materials to BHL.
dbo	InstitutionGroup	InstitutionGroupID		NO		int	0	PRIMARY KEY	PRIMARY KEY
dbo	InstitutionGroup	InstitutionGroupName	('')	NO		nvarchar	300		The name of the institution group.
dbo	InstitutionGroup	InstitutionGroupDescription	('')	NO		nvarchar	-1		Description of the institution group
dbo	InstitutionGroup	CreationDate	(getdate())	YES	datetime		0		Datestamp of record creation.
dbo	InstitutionGroup	LastModifiedDate	(getdate())	YES	datetime		0		Datestamp of the last update.
dbo	InstitutionGroup	CreationUserID	((1))	YES	int		0		BHL identifier of the user that created the record.
dbo	InstitutionGroup	LastModifiedUserID	((1))	YES	int		0		BHL identifier of the user that performed the last update
dbo	InstitutionGroupInstitution								Groups to which each institution have been assigned.
dbo	InstitutionGroupInstitution	InstitutionGroupInstitutionID		NO	int		0	PRIMARY KEY	PRIMARY KEY
dbo	InstitutionGroupInstitution	InstitutionGroupID		NO	int		0	FOREIGN KEY	Identifier of the group associated with the institution
dbo	InstitutionGroupInstitution	InstitutionCode		NO	nvarchar		10	FOREIGN KEY	Identifier of the institution association with the group
dbo	InstitutionGroupInstitution	CreationDate	(getdate())	YES	datetime		0		Datestamp of record creation.
dbo	InstitutionGroupInstitution	CreationUserID	((1))	YES	int		0		
dbo	InstitutionRole								Roles which Institutions can perform.
dbo	InstitutionRole	InstitutionRoleID		NO		int	0	PRIMARY KEY	PRIMARY KEY
dbo	InstitutionRole	InstitutionRoleName	('')	NO		nvarchar	100		Name of the role.
dbo	InstitutionRole	InstitutionRoleLabel	('')	NO		nvarchar	100		Label assigned to the role for presentation in the UI.
dbo	InstitutionRole	CreationDate	(getdate())	NO	datetime		0		Datestamp of record creation.
dbo	InstitutionRole	LastModifiedDate	(getdate())	NO	datetime		0		Datestamp of the last update.
dbo	InstitutionRole	CreationUserID	((1))	NO	int		0		BHL identifier of the user that created the record.
dbo	InstitutionRole	LastModifiedUserID	((1))	NO	int		0		BHL identifier of the user that performed the last update
dbo	Item								Common Information about all "items" stored in BHL. "Items" include Books, Segments, and any other type of object that might be added to the collectoin in the future. "Items" might be held within BHL itself or at an outside partner.
dbo	Item	ItemID		NO	int		0	PRIMARY KEY	PRIMARY KEY
dbo	Item	ItemTypeID		YES	int		0	FOREIGN KEY	Identifier of the type of the item.
dbo	Item	ItemStatusID	((10))	NO	int		0	FOREIGN KEY	Identifier of the item status.
dbo	Item	ItemSourceID		YES	int		0	FOREIGN KEY	Identifier of the source of the item.
dbo	Item	VaultID		YES	int		0	FOREIGN KEY	Identifier of the vault (file system location) where OCR files are stored.
dbo	Item	FileRootFolder	('')	YES	nvarchar		250		Name of the root folder in which the item's OCR files are found. OCR files are found in the folder named by concatenating Vault.OCRFolderShare + '\' + Item.FileRootFolder + '\' + Book.BarCode.
dbo	Item	ItemDescription		YES	nvarchar		-1		Additional information about the item. For Books, this includes the copy-specific information.

dbo	Item	Note		YES	nvarchar	-1		Notes about the item. Depending on the item Type, these may not be displayed in public BHL user interfaces.
dbo	Item	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	Item	LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	Item	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	Item	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	ItemAuthor							Authors/creators related to items. Not all items have authors. Items of type "Segment" do have authors, Items of type "Book" do not ("Book" authors are associated with the Title record).
dbo	ItemAuthor	ItemAuthorID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemAuthor	ItemID		NO	int	0	FOREIGN KEY	Identifier of the item.
dbo	ItemAuthor	AuthorID		NO	int	0	FOREIGN KEY	Identifier of the author.
dbo	ItemAuthor	SequenceOrder	((1))	NO	smallint	0		Sequence order of the author. Each items's authors are numbered 1 to N. Used to order the authors within an item.
dbo	ItemAuthor	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ItemAuthor	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	ItemAuthor	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	ItemAuthor	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	ItemCollection							Items associated with a collection.
dbo	ItemCollection	ItemCollectionID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemCollection	ItemID		NO	int	0	FOREIGN KEY	Identifier of the item.
dbo	ItemCollection	CollectionID		NO	int	0	FOREIGN KEY	Identifier of the collection.
dbo	ItemCollection	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ItemIdentifier							Identifiers (and their values) associated with items.
dbo	ItemIdentifier	ItemIdentifierID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemIdentifier	ItemID		NO	int	0	FOREIGN KEY	Identifier of the item.
dbo	ItemIdentifier	IdentifierID		NO	int	0	FOREIGN KEY	Identifier of the identifier type.
dbo	ItemIdentifier	IdentifierValue	('')	NO	nvarchar	125		Value of the identifier.
dbo	ItemIdentifier	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ItemIdentifier	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	ItemIdentifier	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	ItemIdentifier	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	ItemInstitution							Institutions assigned to an item. Each institution fulfills a different role (Contributor, Rights Holder, Scanning Institution).
dbo	ItemInstitution	ItemInstitutionID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemInstitution	ItemID		NO	int	0	FOREIGN KEY	Identifier of the Item.
dbo	ItemInstitution	InstitutionCode		NO	nvarchar	10	FOREIGN KEY	Identifier of the Institution.
dbo	ItemInstitution	InstitutionRoleID		NO	int	0	FOREIGN KEY	Identifier of the Role performed by the Institution for the Item.

dbo	ItemInstitution	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ItemInstitution	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	ItemInstitution	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	ItemInstitution	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	ItemKeyword							Keywords associated with an item.
dbo	ItemKeyword	ItemKeywordID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemKeyword	ItemID		NO	int	0	FOREIGN KEY	Identifier of the item.
dbo	ItemKeyword	KeywordID		NO	int	0	FOREIGN KEY	Identifier of the keyword.
dbo	ItemKeyword	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ItemKeyword	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	ItemKeyword	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	ItemKeyword	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	ItemLanguage							Additional languages associated with an item. Only used when more than one language is used (i.e. translations, multilingual items).
dbo	ItemLanguage	ItemLanguageID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemLanguage	ItemID		NO	int	0	FOREIGN KEY	Identifier of the item.
dbo	ItemLanguage	LanguageCode		NO	nvarchar	10	FOREIGN KEY	Identifier of the language.
dbo	ItemLanguage	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ItemLanguage	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	ItemNameFileLog							Table used by the service that uploads name information to Internet Archive.
dbo	ItemNameFileLog	LogID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemNameFileLog	ItemID		NO	int	0	FOREIGN KEY	Identifier of the item for which name information is be uploaded.
dbo	ItemNameFileLog	DoCreate	((1))	NO	bit	0		Indicator of whether a name file needs to be created (1 = true, 0 = false)
dbo	ItemNameFileLog	DoUpload	((1))	NO	bit	0		Indicator of whether a name file needs to be uploaded (1 = true, 0 = false)
dbo	ItemNameFileLog	LastCreateDate		YES	datetime	0		Datestamp of the most recent file creation for this item.
dbo	ItemNameFileLog	LastUploadDate		YES	datetime	0		Datestamp of the most recent file upload for this item.
dbo	ItemNameFileLog	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ItemNameFileLog	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	ItemPage							Pages associated with an item.
dbo	ItemPage	ItemPageID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemPage	ItemID		NO	int	0	FOREIGN KEY	Identifier of the item
dbo	ItemPage	PageID		NO	int	0	FOREIGN KEY	Identifier of the page
dbo	ItemPage	SequenceOrder	((1))	NO	int	0		Position of the page within an Item. For example, a value of 1 indicates the first page. A value of 10 indicates the tenth page. This is NOT the assigned page number, but rather an indication of the order of the pages within an Item.
dbo	ItemPage	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.

dbo	ItemPage	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	ItemPage	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	ItemPage	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	ItemRelationship							Relationships between items. Use to define heirarchical relationships between items; for example, articles are children of books.
dbo	ItemRelationship	RelationshipID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemRelationship	ParentID		NO	int	0	FOREIGN KEY	Identifier of the parent item
dbo	ItemRelationship	ChildID		NO	int	0	FOREIGN KEY	Identifier of the child item
dbo	ItemRelationship	SequenceOrder	((1))	NO	int	0		Position of the Child Item within the Parent Item. For example, a value of 1 indicates the first child. A value of 10 indicates the tenth child.
dbo	ItemRelationship	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	ItemRelationship	LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	ItemRelationship	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	ItemRelationship	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	ItemSource							Sources of items in BHL (ex. Internet Archive, OAI feeds)
dbo	ItemSource	ItemSourceID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemSource	SourceName	(")	NO	nvarchar	50		Name of the data source.
dbo	ItemSource	DownloadUrl	(")	NO	nvarchar	100		Base URL for downloading materials from the data source.
dbo	ItemSource	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ItemSource	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	ItemSource	ImageServerUrlFormat	(")	NO	nvarchar	200		No longer in use.
dbo	ItemStatus							Statuses of items in BHL (ex. Published, Removed)
dbo	ItemStatus	ItemStatusID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemStatus	ItemStatusName		NO	nvarchar	50		Name of the status.
dbo	ItemStatus	ItemStatusDescription	(")	NO	nvarchar	-1		Description of the status and its purpose.
dbo	ItemStatus	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	ItemStatus	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	ItemStatus	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	ItemStatus	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	ItemTitle							Items associated with a title. Titles can be described as containing items.
dbo	ItemTitle	ItemTitleID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemTitle	ItemID		NO	int	0	FOREIGN KEY	Identifier of the title.
dbo	ItemTitle	TitleID		NO	int	0	FOREIGN KEY	Identifier of the item.
dbo	ItemTitle	ItemSequence		YES	smallint	0		Sequence order of the item. Each title's associated items are numbered 1 to N. Used to order volumes (items) within a title.

dbo	ItemTitle	IsPrimary	((0))	NO	smallint	0		Indicates whether this record represents the primary title for the item. 1 if this is the primary title, else 0.
dbo	ItemTitle	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	ItemTitle	LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	ItemTitle	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	ItemTitle	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	ItemType							Types of items in BHL (ex. Book, Segment)
dbo	ItemType	ItemTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ItemType	ItemTypeName	(")	NO	nvarchar	50		Name of the item type. Once set, this value should not change.
dbo	ItemType	ItemTypeLabel	(")	NO	nvarchar	50		UI label for the item type.
dbo	ItemType	ItemTypeDescription	(")	NO	nvarchar	500		A description of the item type
dbo	Keyword							Keywords/subjects that apply to titles, segments, etc.
dbo	Keyword	KeywordID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Keyword	Keyword	(")	NO	nvarchar	50		The keyword.
dbo	Keyword	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	Keyword	LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	Keyword	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	Keyword	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	Language							Languages of items in BHL.
dbo	Language	LanguageCode		NO	nvarchar	10	PRIMARY KEY	The code that tidentifies the language. Standard language codes are used.
dbo	Language	LanguageName	(")	NO	nvarchar	20		The name of the language.
dbo	Language	Note		YES	nvarchar	255		Additional information about the language. Not shown in public BHL Uis.
dbo	Marc							Marc records that have been imported.
dbo	Marc	MarcID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Marc	MarcImportStatusID		NO	int	0	FOREIGN KEY	Identifier of the import status.
dbo	Marc	MarcImportBatchID		NO	int	0	FOREIGN KEY	Identifier of the batch of which the MARC was a part.
dbo	Marc	MarcFileLocation	(")	NO	nvarchar	500		File system location of the uploaded file.
dbo	Marc	InstitutionCode		YES	nvarchar	10		Identifier of the contributing institution.
dbo	Marc	Leader	(")	NO	nvarchar	200		MARC leader value. See MARC documentation for more information.
dbo	Marc	TitleID		YES	int	0		Identifier of an existing BHL title which matches the title contained in this MARC record.
dbo	Marc	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	Marc	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	MarcControl							Control elements of imported MARC records.
dbo	MarcControl	MarcControlID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	MarcControl	MarcID		NO	int	0	FOREIGN KEY	Identifier of the MARC record of which this control element is a part.

dbo	MarcControl	Tag	(")	NO	nchar	3		MARC tag of this element (ex. 001, 008)
dbo	MarcControl	Value	(")	NO	nvarchar	200		Value of the control element.
dbo	MarcControl	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	MarcControl	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	MarcDataField							Data fields of imported MARC records.
dbo	MarcDataField	MarcDataFieldID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	MarcDataField	MarcID		NO	int	0	FOREIGN KEY	Identifier of the MARC record of which this data field is a part.
dbo	MarcDataField	Tag	(")	NO	nchar	3		MARC tag of this data field (ex. 245, 650, 700)
dbo	MarcDataField	Indicator1	(")	NO	nchar	1		First indicator value of this field. See MARC documentation for more information.
dbo	MarcDataField	Indicator2	(")	NO	nchar	1		Second indicator value of this field. See MARC documentation for more information.
dbo	MarcDataField	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	MarcDataField	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	MarcImportBatch							Log of files containing imported MARC records.
dbo	MarcImportBatch	MarcImportBatchID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	MarcImportBatch	FileName	(")	NO	nvarchar	500		Name of a file that was imported.
dbo	MarcImportBatch	InstitutionCode		YES	nvarchar	10		Identifier of the institution that contributed the MARC records.
dbo	MarcImportBatch	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	MarcImportError							Log of database errors that occur during the import of MARC records.
dbo	MarcImportError	MarcImportErrorID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	MarcImportError	MarcImportBatchID		YES	int	0		Identfier of the batch in which the error occurred.
dbo	MarcImportError	ItemID		YES	int	0		Not used.
dbo	MarcImportError	ErrorDate	(getdate())	NO	datetime	0		Datestamp of the error.
dbo	MarcImportError	Number		YES	int	0		Number assigned to the error by SQL Server.
dbo	MarcImportError	Severity		YES	int	0		Severity assigned to the error by SQL Server.
dbo	MarcImportError	State		YES	int	0		State assigned to the error by SQL Server.
dbo	MarcImportError	Procedure	(")	YES	nvarchar	126		Stored procedure in which the error occurred.
dbo	MarcImportError	Line		YES	int	0		Line number of the stored procedure in which the error occurred.
dbo	MarcImportError	Message	(")	YES	nvarchar	4000		Error message.
dbo	MarcImportStatus							Import status of MARC records.
dbo	MarcImportStatus	MarcImportStatusID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	MarcImportStatus	StatusDescription	(")	NO	nvarchar	30		Name/description of the status.
dbo	MarcSubField							Data subfields of imported MARC records.
dbo	MarcSubField	MarcSubFieldID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	MarcSubField	MarcDataFieldID		NO	int	0	FOREIGN KEY	Identifier of the MARC data field with which this subfield is associated.
dbo	MarcSubField	Code	(")	NO	nchar	1		Subfield code (ex. a, c, z)

dbo	MarcSubField	Value	(")	NO	nvarchar	200		Value assigned to this subfield. Might be a title, author name, keyword, or other value. Meaning of the value depends on the MARC data field and subfield.
dbo	MarcSubField	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	MarcSubField	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	MaterialType					NULL	0		Material type (i.e. Language, Manuscript) that can be assigned to a title.
dbo	MaterialType	MaterialTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	MaterialType	MaterialTypeName	(")	NO	nvarchar	60		Name of the material type.
dbo	MaterialType	MaterialTypeLabel	(")	NO	nvarchar	60		UI label for the material type.
dbo	MaterialType	MARCCode	(")	NO	nchar	1		MARC Leader code (position 06) to which this material type maps.
dbo	MonthlyStats							Monthly statistics for titiles, items, pages, and segments, all recorded by institution.
dbo	MonthlyStats	Year		NO	int	0	PRIMARY KEY	The year of this statistic.
dbo	MonthlyStats	Month		NO	int	0	PRIMARY KEY	The month of this statistic.
dbo	MonthlyStats	InstitutionName		NO	nvarchar	255	PRIMARY KEY	The institution of this statistic.
dbo	MonthlyStats	StatType		NO	nvarchar	100	PRIMARY KEY	The type of statistic (i.e. Titles Added, Pages Added)
dbo	MonthlyStats	StatValue		NO	int	0		The value of the statistic.
dbo	MonthlyStats	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	MonthlyStats	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	Name							Scientific name strings extracted from OCR.
dbo	Name	NameID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Name	NameSourceID		NO	int	0	FOREIGN KEY	Identifier of the source of the name.
dbo	Name	NameString	(")	NO	nvarchar	100		The exact name string identified in and extracted from OCR output.
dbo	Name	IsActive	((1))	NO	smallint	0		Indicates whether this name is active. If it is not, it will not be indexed and will not appear in the public BHL Uis. (1 = Active, 0 = Not Active)
dbo	Name	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	Name	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	Name	CreationUserID		YES	int	0		BHL identifier of the user that created the record.
dbo	Name	LastModifiedUserID		YES	int	0		BHL identifier of the user that performed the last update
dbo	Name	NameResolvedID		YES	int	0	FOREIGN KEY	Identifier of the resolved name string to which this name is related.
dbo	NamebankEOL							Table that cross-references NameBank and EOL identifiers.
dbo	NamebankEOL	NameBankID		NO	int	0	PRIMARY KEY	NameBank identifier.
dbo	NamebankEOL	EOLID		NO	int	0	PRIMARY KEY	EOL identifier.
dbo	NameIdentifier							Identifiers (and their values) associated with names.
dbo	NameIdentifier	NameIdentifierID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	NameIdentifier	NameResolvedID		NO	int	0	FOREIGN KEY	Identifier of the resolved name string.

dbo	NameIdentifier	IdentifierID		NO	int	0	FOREIGN KEY	Identifier of the identifier type.
dbo	NameIdentifier	IdentifierValue	('')	NO	nvarchar	100		Value of the identifier.
dbo	NameIdentifier	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	NameIdentifier	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	NameIdentifier	CreationUserID		YES	int	0		BHL identifier of the user that created the record.
dbo	NameIdentifier	LastModifiedUserID		YES	int	0		BHL identifier of the user that performed the last update
dbo	NamePage							Names associated with pages.
dbo	NamePage	NamePageID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	NamePage	NameID		NO	int	0	FOREIGN KEY	Identifier of a name.
dbo	NamePage	PageID		NO	int	0	FOREIGN KEY	Identifier of a page.
dbo	NamePage	NameSourceID		NO	int	0	FOREIGN KEY	Identifier of a name source.
dbo	NamePage	IsFirstOccurrence	((0))	NO	smallint	0		Indicator of whether this is the first occurrence of a name. (1 = true, 0 = false). Currently not in use.
dbo	NamePage	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	NamePage	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	NamePage	CreationUserID		YES	int	0		BHL identifier of the user that created the record.
dbo	NamePage	LastModifiedUserID		YES	int	0		BHL identifier of the user that performed the last update
dbo	NameResolved							Name strings to which names extracted from OCR resolve. Typically do not include authors and dates that might appear in the OCR.
dbo	NameResolved	NameResolvedID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	NameResolved	ResolvedNameString	('')	NO	nvarchar	100		The resolved name string.
dbo	NameResolved	CanonicalNameString	('')	NO	nvarchar	100		Canonical form of the resolved name. Typically matches the resolved name.
dbo	NameResolved	IsPreferred	((1))	NO	smallint	0		Not used.
dbo	NameResolved	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	NameResolved	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	NameResolved	CreationUserID		YES	int	0		BHL identifier of the user that created the record.
dbo	NameResolved	LastModifiedUserID		YES	int	0		BHL identifier of the user that performed the last update
dbo	NameSource							Sources of names in BHL (ex. uBio, GNRD)
dbo	NameSource	NameSourceID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	NameSource	SourceName	('')	NO	nvarchar	50		Name of the data source.
dbo	NameSource	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	NameSource	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	NameSource	CreationUserID		YES	int	0		BHL identifier of the user that created the record.
dbo	NameSource	LastModifiedUserID		YES	int	0		BHL identifier of the user that performed the last update
dbo	NameSourceGNFinder							Mappings of name sources used by the gnfinder Global Names utility to BHL identifiers
dbo	NameSourceGNFinder	DataSourceID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	NameSourceGNFinder	GNDataSourceName	('')	NO	nvarchar	200		Name of the data source.
dbo	NameSourceGNFinder	BHLIdentifierID		NO	int	0		BHL Identifier associated with the gnfinder data source

Schema	Table	Column	Default	Null	Type	Length	Key	Description
dbo	NoteType						0		Types of notes relating to titles. (examples: General, Contents, Summary)
dbo	NoteType	NoteTypeID		NO	int		0	PRIMARY KEY	PRIMARY KEY
dbo	NoteType	NoteTypeName	(")	NO	nvarchar	50		Name of the type.
dbo	NoteType	NoteTypeDisplay	(")	NO	nvarchar	50		Label for the type to display in user interfaces.
dbo	NoteType	MarcDataFieldTag	(")	NO	nvarchar	5		MARC data field containing the note. Only populated when the source of the note was a MARC record.
dbo	NoteType	MarcIndicator1	(")	NO	nvarchar	5		MARC first indicator associated with the note. Only populated when the source of the note was a MARC record.
dbo	NoteType	CreationDate	(getdate())	NO	datetime		0		Datestamp of record creation.
dbo	NoteType	LastModifiedDate	(getdate())	NO	datetime		0		Datestamp of the last update.
dbo	NoteType	CreationUserID	((1))	YES	int		0		BHL identifier of the user that created the record.
dbo	NoteType	LastModifiedUserID	((1))	YES	int		0		BHL identifier of the user that performed the last update
dbo	Page								Metadata about all scanned pages.
dbo	Page	PageID		NO	int		0	PRIMARY KEY	PRIMARY KEY
dbo	Page	ItemID		YES	int		0		Not used.
dbo	Page	FileNamePrefix		NO	nvarchar	200		Name (exluding extension) of the OCR file for this page.
dbo	Page	SequenceOrder		YES	int		0		Not used.
dbo	Page	PageDescription		YES	nvarchar	255		Not used.
dbo	Page	Illustration	((0))	NO	bit		0		Indicator of whether this page contains an illustration. (1 = illustration, 0 = no illustration) Not used.
dbo	Page	Note		YES	nvarchar	255		Not used.
dbo	Page	FileSize_Temp		YES	int		0		Not used.
dbo	Page	FileExtension		YES	nvarchar	5		Not used.
dbo	Page	CreationDate	(getdate())	YES	datetime		0		Datestamp of record creation.
dbo	Page	LastModifiedDate	(getdate())	YES	datetime		0		Datestamp of the last update.
dbo	Page	CreationUserID	((1))	YES	int		0		BHL identifier of the user that created the record.
dbo	Page	LastModifiedUserID	((1))	YES	int		0		BHL identifier of the user that performed the last update
dbo	Page	Active	((1))	NO	bit		0		Indicates whether this page is active. Inactive pages to not appear the public BHL user interface. (1 = active, 0 = inactive)
dbo	Page	Year		YES	nvarchar	20		Year the page was published
dbo	Page	Series		YES	nvarchar	20		Not used.
dbo	Page	Volume		YES	nvarchar	20		Volume in which the page was published.
dbo	Page	Issue		YES	nvarchar	20		Issue in which the page was published.
dbo	Page	ExternalURL		YES	nvarchar	500		URL of the image of the item. No longer used by the BHL user interface.
dbo	Page	IssuePrefix		YES	nvarchar	20		Prefix of the issue in which the page was published (ex. No, Part)
dbo	Page	LastPageNameLookupDate		YES	datetime		0		Datestamp of the most recent time that the scientific names contained in the text of the page were indexed.

dbo	Page	PaginationUserID		YES	int		0		Identifer of the last user to update the pagination metadata for this page.
dbo	Page	PaginationDate		YES	datetime		0		Datestamp of the last update of the pagination metadata for this page.
dbo	Page	AltExternalURL		YES	nvarchar		500		Not used.
dbo	Page_PageType								Page types that have been assigned to each page.
dbo	Page_PageType	PageID		NO	int		0	PRIMARY KEY	Identifier of the page.
dbo	Page_PageType	PageTypeID		NO	int		0	PRIMARY KEY	Identifier of the page type.
dbo	Page_PageType	Verified	((0))	NO	bit		0		Holdover from original Botanicus-based data model. Not used.
dbo	Page_PageType	CreationDate	(getdate())	YES	datetime		0		Datestamp of record creation.
dbo	Page_PageType	LastModifiedDate	(getdate())	YES	datetime		0		Datestamp of the last update.
dbo	Page_PageType	CreationUserID	((1))	YES	int		0		BHL identifier of the user that created the record.
dbo	Page_PageType	LastModifiedUserID	((1))	YES	int		0		BHL identifier of the user that performed the last update
dbo	PageFlickr								Locations of BHL page scans in Flickr.
dbo	PageFlickr	PageFlickrID		NO	int		0	PRIMARY KEY	PRIMARY KEY
dbo	PageFlickr	PageID		NO	int		0	FOREIGN KEY	Identifier of the page.
dbo	PageFlickr	FlickrURL		NO	varchar		500		Flickr URL for the page.
dbo	PageFlickr	CreationUserID		YES	int		0		BHL identifier of the user that created the record.
dbo	PageFlickr	CreationDate		YES	datetime		0		Datestamp of record creation.
dbo	PageTextLog				NULL		0		Logs updates to the file containing the text of a page.
dbo	PageTextLog	PageTextLogID		NO	int		0	PRIMARY KEY	PRIMARY KEY
dbo	PageTextLog	PageID		NO	int		0	FOREIGN KEY	Identifier of the page for which the text was updated.
dbo	PageTextLog	TextSource	(")	NO	nvarchar		50		Source of the new text (OCR, Text Import)
dbo	PageTextLog	TextImportBatchFileID		YES	int		0	FOREIGN KEY	Identifier of an imported file containing the new text.
dbo	PageTextLog	CreationDate	(getdate())	NO	datetime		0		Datestamp of record creation.
dbo	PageTextLog	CreationUserID	((1))	NO	int		0		BHL identifier of the user that created the record.
dbo	PageType								Types of pages in BHL materials (ex. Text, Title Page, Illustration)
dbo	PageType	PageTypeID		NO	int		0	PRIMARY KEY	PRIMARY KEY
dbo	PageType	PageTypeName		NO	nvarchar		30		Name of the type.
dbo	PageType	PageTypeDescription		YES	nvarchar		255		Additional information about the type.
dbo	PaginationStatus								Status of pagination of items. (ex. In Progress, Complete)
dbo	PaginationStatus	PaginationStatusID		NO	int		0	PRIMARY KEY	PRIMARY KEY
dbo	PaginationStatus	PaginationStatusName		NO	nvarchar		50		Name of the status.
dbo	PDF								Requests for custom PDFs submitted by BHL users.
dbo	PDF	PdfID		NO	int		0	PRIMARY KEY	PRIMARY KEY
dbo	PDF	ItemID		NO	int		0	FOREIGN KEY	Identifier of an item.

dbo	PDF	FileLocation	(")	NO	nvarchar	200		Full path to the file system location of the PDF
dbo	PDF	EmailAddress	(")	NO	nvarchar	200		Email address of the person requesting the PDF
dbo	PDF	ShareWithEmailAddresses	(")	NO	nvarchar	-1		Any additional email addresses notifiied of the completion of the PDF request. No longer in use.
dbo	PDF	ArticleTitle	(")	NO	nvarchar	-1		Metadata submitted with the PDF request.
dbo	PDF	ArticleCreators	(")	NO	nvarchar	-1		Metadata submitted with the PDF request.
dbo	PDF	ArticleTags	(")	NO	nvarchar	-1		Metadata submitted with the PDF request.
dbo	PDF	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	PDF	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	PDF	ImagesOnly	((1))	NO	bit	0		Indicates whether BHL OCR should be included in the generated PDF. (1 = images only, 0 = images and OCR)
dbo	PDF	FileUrl	(")	NO	nvarchar	200		URL location of the completed PDF
dbo	PDF	FileGenerationDate		YES	datetime	0		Datestamp of the file generation.
dbo	PDF	FileDeletionDate		YES	datetime	0		Datestamp of the file deletion. Files are deleted after a set amount of time.
dbo	PDF	PdfStatusID	((10))	NO	int	0	FOREIGN KEY	Identifier of the PDF status.
dbo	PDF	NumberImagesMissing	((0))	NO	int	0		Number of images that were not included in the PDF (due to images being unavailable or inaccessible)
dbo	PDF	NumberOcrMissing	((0))	NO	int	0		Number of OCR files not included in the PDF
dbo	PDF	Comment	(")	NO	nvarchar	-1		Any additional information about the PDF request. Added by BHL admins. Rarely used.
dbo	PDFPage							Pages assocaited with a PDF request.
dbo	PDFPage	PdfPageID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	PDFPage	PdfID		NO	int	0	FOREIGN KEY	Identifier of the PDF request.
dbo	PDFPage	PageID		NO	int	0		Identifier of the page.
dbo	PDFStatus							Status of PDF requests. (ex. Pending, Complete)
dbo	PDFStatus	PdfStatusID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	PDFStatus	PdfStatusName	(")	NO	nchar	10		Name of the status.
dbo	ScanningRequest							Scanning requests submitted to BHL's issue tracking system.
dbo	ScanningRequest	ScanningRequestID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	ScanningRequest	GeminiIssueID		YES	int	0		Identifier assigned to the request in the issue tracking system.
dbo	ScanningRequest	Title	(")	NO	nvarchar	500		Title of the requested item.
dbo	ScanningRequest	Year	(")	NO	nvarchar	20		Year of the requested item.
dbo	ScanningRequest	Type	(")	NO	nvarchar	20		Type of the requested item (Book, Journal, Not Sure)
dbo	ScanningRequest	Volume	(")	NO	nvarchar	100		Volume of the requested item.
dbo	ScanningRequest	Edition	(")	NO	nvarchar	100		Edition of the requested item.
dbo	ScanningRequest	OCLC	(")	NO	nvarchar	30		OCLC identifier of the requested item.
dbo	ScanningRequest	ISBN	(")	NO	nvarchar	30		ISBN of the requested item.
dbo	ScanningRequest	ISSN	(")	NO	nvarchar	30		ISSN of the requested item.
dbo	ScanningRequest	Author	(")	NO	nvarchar	200		Author of the requested item.
dbo	ScanningRequest	Publisher	(")	NO	nvarchar	200		Publisher of the requested item.
dbo	ScanningRequest	Language	(")	NO	nvarchar	20		Language of the requested item.
dbo	ScanningRequest	Note	(")	NO	nvarchar	-1		Additional information about the requested item.

dbo	ScanningRequest	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	SearchCatalog							Full-text indexed table used to facilitate searches of titles and books.
dbo	SearchCatalog	SearchCatalogID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	SearchCatalog	SearchText	(")	NO	nvarchar	4000		All searchable metadata concatenated into a single field. Used for global searches.
dbo	SearchCatalog	TitleID		NO	int	0		Identifier of the title.
dbo	SearchCatalog	ItemID		NO	int	0		Identiifier of the BOOK.
dbo	SearchCatalog	FullTitle	(")	NO	nvarchar	2000		Full title of the publication. Used for targeted searches.
dbo	SearchCatalog	UniformTitle	(")	NO	nvarchar	255		Uniform title of the publication. Used for targeted searches.
dbo	SearchCatalog	PublicationDetails	(")	YES	nvarchar	255		Full publication details (place, name, date) of the title/item. Used for targeted searches.
dbo	SearchCatalog	PublisherPlace	(")	YES	nvarchar	150		Place of publication of the titlle/item. Used for targeted searches.
dbo	SearchCatalog	PublisherName	(")	YES	nvarchar	255		Publisher of the publication. Used for targeted searches.
dbo	SearchCatalog	Volume	(")	NO	nvarchar	100		Volume of the item. Used for targeted searches.
dbo	SearchCatalog	EditionStatement	(")	NO	nvarchar	450		Edition of the publication. Used for targeted searches.
dbo	SearchCatalog	Subjects	(")	NO	nvarchar	-1		Subjects/keywords related to the publication. Used for targeted searches.
dbo	SearchCatalog	Associations	(")	NO	nvarchar	-1		Associated titles related to the publication. Used for targeted searches.
dbo	SearchCatalog	Variants	(")	NO	nvarchar	-1		Title variants related to the publication. Used for targeted searches.
dbo	SearchCatalog	Authors	(")	NO	nvarchar	-1		Authors related to the publication. Used for display.
dbo	SearchCatalog	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	SearchCatalog	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	SearchCatalog	HasSegments	((0))	NO	smallint	0		Indicates whether there are segments related to the item. (1 = yes, 0 = no)
dbo	SearchCatalog	HasLocalContent	((1))	NO	smallint	0		Indicates whether there is content held in BHL for the title/item. (1 = yes, 0 = no)
dbo	SearchCatalog	HasExternalContent	((0))	NO	smallint	0		Indicates whether there is content held outside BHL for the title/item. (1 = yes, 0 = no)
dbo	SearchCatalog	TitleContributors	(")	NO	nvarchar	-1		Contributors related to the Title.
dbo	SearchCatalog	ItemContributors	(")	NO	nvarchar	-1		Contributors related to the Book.
dbo	SearchCatalog	FirstPageID		YES	int	0		Identifier of the Page to be used to present the thumbnail image for the Book.
dbo	SearchCatalog	SearchAuthors	(")	NO	nvarchar	-1		Searchable list of authors related to the publication. Used for targeted searches.
dbo	SearchCatalog	HasIllustrations	((0))	NO	smallint	0		Indicates whether the item includes illustrations (1 = yes, 0 = no)
dbo	SearchCatalogCreator							Full-text indexed table used to facilitate searches of authors.
dbo	SearchCatalogCreator	SearchCatalogCreatorID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	SearchCatalogCreator	CreatorID		NO	int	0		Identifier of the author.

dbo	SearchCatalogCreator	CreatorName	(")	NO	nvarchar	255		Full name of the author.
dbo	SearchCatalogCreator	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	SearchCatalogKeyword							Full-text indexed table used to facilitate searches of keywords/subjects.
dbo	SearchCatalogKeyword	SearchCatalogKeywordID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	SearchCatalogKeyword	KeywordID		NO	int	0		Identifier of the keywor/subject.
dbo	SearchCatalogKeyword	Keyword	(")	NO	nvarchar	50		The keyword/subject.
dbo	SearchCatalogKeyword	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	SearchCatalogSegment							Full-text indexed table used to facilitate searches of segments.
dbo	SearchCatalogSegment	SearchCatalogSegmentID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	SearchCatalogSegment	SearchText	(")	NO	nvarchar	4000		All searchable metadata concatenated into a single field. Used for global searches.
dbo	SearchCatalogSegment	SegmentID		NO	int	0		Identifier of the segment.
dbo	SearchCatalogSegment	Title	(")	NO	nvarchar	2000		Title of the segment. Used for targeted searches.
dbo	SearchCatalogSegment	TranslatedTitle	(")	NO	nvarchar	2000		Translated title of the segment. Used for targeted searches.
dbo	SearchCatalogSegment	ContainerTitle	(")	NO	nvarchar	2000		Title of the segment container (ex. The title of the journal that contains the segment/article). Used for targeted searches.
dbo	SearchCatalogSegment	PublicationDetails	(")	NO	nvarchar	400		Full publication details (place, name, date) of the segment. Used for targeted searches.
dbo	SearchCatalogSegment	Volume	(")	NO	nvarchar	100		Volume of the segment. Used for targeted searches.
dbo	SearchCatalogSegment	Series	(")	NO	nvarchar	100		Series of the segment. Used for targeted searches.
dbo	SearchCatalogSegment	Issue	(")	NO	nvarchar	100		Issue of the segment. Used for targeted searches.
dbo	SearchCatalogSegment	Date	(")	NO	nvarchar	20		Date of the segment. Used for targeted searches.
dbo	SearchCatalogSegment	Subjects	(")	NO	nvarchar	-1		Subjects/keywords related to the segment. Used for targeted searches.
dbo	SearchCatalogSegment	Authors	(")	NO	nvarchar	-1		Authors related to the segment. Used for display.
dbo	SearchCatalogSegment	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	SearchCatalogSegment	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	SearchCatalogSegment	ItemID		YES	int	0		Identifier of the item to which the segment is related.
dbo	SearchCatalogSegment	HasLocalContent	((1))	NO	smallint	0		Indicates whether there is content held in BHL for the segment. (1 = yes, 0 = no)
dbo	SearchCatalogSegment	HasExternalContent	((0))	NO	smallint	0		Indicates whether there is content held outside BHL for the segment. (1 = yes, 0 = no)
dbo	SearchCatalogSegment	Contributors	(")	NO	nvarchar	-1		Contributors related to the segment.
dbo	SearchCatalogSegment	SearchAuthors	(")	NO	nvarchar	-1		Searchable list of authors related to the segment. Used for targeted searches.
dbo	SearchCatalogSegment	HasIllustrations	((0))	NO	smallint	0		Indicates whether the segment includes illustrations (1 = yes, 0 = no)

dbo	Segment							Metadata about articles, chapters, treatments, etc. In short, any fragment of a larger work can be considered a segment. The content of a segment may or may not be contained in scanned BHL materials. If it is contained in scanned materials, that material may may be a standalone item at Internet Archive, or it may be a portion of a larger work at Internet Archive.
dbo	Segment	SegmentID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Segment	ItemID		NO	int	0	FOREIGN KEY	Identifier of the base Item record for this segment
dbo	Segment	RedirectSegmentID		YES	int	0	FOREIGN KEY	Identifier of the segment to which this segment has been redirected. Used when two copies of the same segment are added to BHL, and one is subsequently removed. All requests for the removed segment should redirected (using this identifier) to the still-available segment.
dbo	Segment	SegmentGenreID		NO	int	0	FOREIGN KEY	Identifier of the segment genre.
dbo	Segment	StartPageID		YES	int	0	FOREIGN KEY	BHL identifier of the first page of the segment.
dbo	Segment	ThumbnailPageID		YES	int	0		Page identfiier of a specific page to be used as the thumbnail representation of this segment.
dbo	Segment	LanguageCode		YES	nvarchar	10	FOREIGN KEY	Identifier of the language of the segment.
dbo	Segment	BarCode		YES	nvarchar	200		Identifier assigned to the segment during scanning (if the segment is related to a standalone IA item)..
dbo	Segment	MARCItemID		YES	nvarchar	200		Redundant with Barcode.
dbo	Segment	Title	(")	NO	nvarchar	2000		Complete title of the segment.
dbo	Segment	SortTitle	(")	NO	nvarchar	2000		Sort title of the segment. This is a shortened version of the title, with all initial articles (A, The, Of) removed.
dbo	Segment	TranslatedTitle	(")	NO	nvarchar	2000		Translated title of the segment.
dbo	Segment	ContainerTitle	(")	NO	nvarchar	2000		Title of the container of the segment. For example, if the segment type is Article, the container would be the journal in which the article appears.
dbo	Segment	PublicationDetails	(")	NO	nvarchar	400		Complete publication details (Name, Place, Date) for the segment.
dbo	Segment	PublisherName	(")	NO	nvarchar	250		Publisher of the segment.
dbo	Segment	PublisherPlace	(")	NO	nvarchar	150		Place of publication of the segment.
dbo	Segment	Summary	(")	NO	nvarchar	-1		Summary/abstract for the segment.
dbo	Segment	Volume	(")	NO	nvarchar	100		Volume of the container.
dbo	Segment	Series	(")	NO	nvarchar	100		Series of the container.
dbo	Segment	Issue	(")	NO	nvarchar	100		Issue of the container.
dbo	Segment	Edition	(")	NO	nvarchar	400		Edition of the container.
dbo	Segment	Date	(")	NO	nvarchar	20		Date of the container.
dbo	Segment	PageRange	(")	NO	nvarchar	50		The range of pages in the container on which the part appears.
dbo	Segment	StartPageNumber	(")	NO	nvarchar	20		First page number in the container on which the part appears.
dbo	Segment	EndPageNumber	(")	NO	nvarchar	20		Last page number in the container on which the part appears.

dbo	Segment	Url	(")	NO	nvarchar	200		URL of a location external to BHL at which the part is located
dbo	Segment	DownloadUrl	(")	NO	nvarchar	200		URL for downloading the part.
dbo	Segment	LicenseName	(")	NO	nvarchar	200		Name of the license that applies to this segment's content.
dbo	Segment	LicenseUrl	(")	NO	nvarchar	200		URL to the license (ex. Creative Commons) that applies to the segment's content.
dbo	Segment	RightsStatus	(")	NO	nvarchar	500		Copyright status of the segment.
dbo	Segment	RightsStatement	(")	NO	nvarchar	-1		Rights statement of the segment.
dbo	Segment	CopyrightStatus	(")	NO	nvarchar	-1		Copyright status of the segment. Applies when the segment is a standalone IA Item..
dbo	Segment	CopyrightRegion	(")	NO	nvarchar	50		Region in which copyright was issued. Rarely applied. Can probably be disregarded. Applies when the segment is a standalone IA Item.
dbo	Segment	CopyrightComment	(")	NO	nvarchar	-1		Additional comment about the copyright, entered by the scanning technician. Applies when the segment is a standalone IA Item.
dbo	Segment	CopyrightEvidence	(")	NO	nvarchar	-1		Evidence that supports the listed copyright status, entered by the scanning technician. Applies when the segment is a standalone IA Item.
dbo	Segment	ScanningUser		YES	nvarchar	100		Name or identifier of the scanning technician. Applies when the segment is a standalone IA Item.
dbo	Segment	ScanningDate		YES	datetime	0		Date the book was scanned. Applies when the segment is a standalone IA Item.
dbo	Segment	PaginationStatusID		YES	int	0	FOREIGN KEY	Identifier of the pagination status of the book. Applies when the segment is a standalone IA Item.
dbo	Segment	PaginationStatusDate		YES	datetime	0		Datestamp of the most recent update of the pagination status of the book. Applies when the segment is a standalone IA Item.
dbo	Segment	PaginationStatusUserID		YES	int	0		Identifier of the last user to update the pagination status of the book. Applies when the segment is a standalone IA Item.
dbo	Segment	PaginationCompleteDate		YES	datetime	0		Datestamp of when the pagination status of the book was set to Complete. Applies when the segment is a standalone IA Item.
dbo	Segment	PaginationCompleteUserID		YES	int	0		Identifier of the user that set the pagination status of the book to Complete.
dbo	Segment	LastPageNameLookupDate		YES	datetime	0		Datestamp of the most recent time that the scientific names contained in the text of the book were indexed. Applies when the segment is a standalone IA Item.
dbo	Segment	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	Segment	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	Segment	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	Segment	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update

dbo	Segment	PageProgression	(")	NO	nvarchar	10		Indicates the reading direction for this item. Possible values are "lr" for Left-to-Right and "rl" for Right-to-Left. Applies when the segment is a standalone IA Item.
dbo	Segment	PreferredContainerTitleID		YES	int	0		Title ID that identifies the title to be displayed on the part bibliography page, in exports, and in API outputs. Overrides the default (primary title of associated item).
dbo	SegmentCluster							Defines groups of segments that are related to one another.
dbo	SegmentCluster	SegmentClusterID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	SegmentCluster	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	SegmentCluster	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	SegmentCluster	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	SegmentCluster	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	SegmentCluster	SegmentClusterTypeID	((10))	NO	int	0		Identifier of the cluster type.
dbo	SegmentClusterSegment							Segments related to a cluster.
dbo	SegmentClusterSegment	SegmentID		NO	int	0	PRIMARY KEY	Identifier of the segment.
dbo	SegmentClusterSegment	SegmentClusterID		NO	int	0	PRIMARY KEY	Identifer of the segment cluster.
dbo	SegmentClusterSegment	IsPrimary	((0))	NO	smallint	0		Indicates whether this segment is the primary segment in the cluster. For example, in a cluster of the type "Same As", this field would be used to identify the canonical segment in the group. (1 = yes, 0 = no)
dbo	SegmentClusterSegment	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	SegmentClusterSegment	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	SegmentClusterSegment	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	SegmentClusterSegment	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	SegmentClusterType							Types of segment clusters. Defines the relationship between segments in a cluster. (ex. Same As, Thematically Related, Part Of)
dbo	SegmentClusterType	SegmentClusterTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	SegmentClusterType	SegmentClusterTypeName	(")	NO	nvarchar	40		Name of the type.
dbo	SegmentClusterType	SegmentClusterTypeLabel	(")	NO	nvarchar	40		Label used when a UI calls for a shorter description of the type.
dbo	SegmentClusterType	DisplaySequence		NO	smallint	0		Sequence order of the type. Used to display the types in a particular order in public BHL UIs.
dbo	SegmentExternalResource			NULL		0		External resources associated with a segment.
dbo	SegmentExternalResource	SegmentExternalResourceID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	SegmentExternalResource	SegmentID		NO	int	0	FOREIGN KEY	Identifier of the Segment
dbo	SegmentExternalResource	ExternalResourceTypeID		NO	int	0	FOREIGN KEY	Identifer of the External Resource Type
dbo	SegmentExternalResource	UrlText	(")	NO	nvarchar	100		Text description of the external resource
dbo	SegmentExternalResource	Url	(")	NO	nvarchar	200		URL to which the external resources is linked
dbo	SegmentExternalResource	SequenceOrder	((1))	NO	smallint	0		Postiion at which the resource should be displayed, when all resources are displayed in a list.

dbo	SegmentExternalResource	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	SegmentExternalResource	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	SegmentExternalResource	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	SegmentExternalResource	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	SegmentGenre							Genres of segments (ex. Article, Chapter, Treatment)
dbo	SegmentGenre	SegmentGenreID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	SegmentGenre	GenreName	(")	NO	nvarchar	50		The name of the genre.
dbo	SegmentGenre	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	SegmentGenre	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	SegmentGenre	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	SegmentGenre	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	SegmentResolutionLog							Log of the outputs of the process that attempts to automatically cluster duplicate segments together.
dbo	SegmentResolutionLog	SegmentResolutionLogID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	SegmentResolutionLog	SegmentID		NO	int	0		Identifier of a segment.
dbo	SegmentResolutionLog	MatchingSegmentID		NO	int	0		Identifier of a potentially matching segment.
dbo	SegmentResolutionLog	Score		YES	numeric	0		Score between 0 and 1 assigned by the clustering algorithm. The closer the score is to 1, the higher the likelyhood of a matching segment.
dbo	SegmentResolutionLog	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	SegmentResolutionLog	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	SegmentResolutionLog	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	SegmentResolutionLog	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	Title							Bibliographic metadata about the journals and monographs represented in the BHL web portal, as extracted from the contributing library's catalogue at the time of scanning or applied post-scanning.
dbo	Title	TitleID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Title	MARCBibID		NO	nvarchar	50		Identifier extracted from the MARC record and used to group items into titles.
dbo	Title	MARCLeader		YES	nvarchar	24		The MARC Leader field for this title.
dbo	Title	TropicosTitleID		YES	int	0		Not used.
dbo	Title	RedirectTitleID		YES	int	0	FOREIGN KEY	Identifier of the title to which this title has been redirected. Used when two copies of the same title are added to BHL, and one is subsequently removed. All requests for the removed title should redirected (using this identifier) to the still-available title.

dbo	Title		FullTitle	(")	NO	nvarchar	2000		Complete title of this entity. Created by concatenating the MARC 245a and 245b fields.
dbo	Title		ShortTitle		YES	nvarchar	255		Short version of the title of this entity.
dbo	Title		UniformTitle		YES	nvarchar	255		Uniform title of this entity.
dbo	Title		SortTitle		YES	nvarchar	60		Sort title of this entity. This is a shortened version of the full title, with all initial articles (A, The, Of) removed.
dbo	Title		CallNumber		YES	nvarchar	100		An alphanumeric code which identifies the shelf location of the title in the contributing institution.
dbo	Title		PublicationDetails		YES	nvarchar	255		Full publication details (place, name, date) of the title.
dbo	Title		StartYear		YES	smallint	0	CHECK	Starting year of the publication. Where possible, extracted from MARC 008/07-10 (http://www.loc.gov/marc/bibliographic/concise/bd008.html).
dbo	Title		EndYear		YES	smallint	0	CHECK	Ending year of the publication. Where possible, extracted from MARC 008/11-14 (http://www.loc.gov/marc/bibliographic/concise/bd008.html).
dbo	Title		Datafield_260_a		YES	nvarchar	150		Place of publication of the title, as extracted from the MARC 260a field. If there are repeating MARC 260a fields in the original source document, only the first 260a value is stored here.
dbo	Title		Datafield_260_b		YES	nvarchar	255		Publisher of the title, as extracted from the MARC 260b field. If there are repeating MARC 260b fields in the original source document, only the first 260b value is stored here
dbo	Title		Datafield_260_c		YES	nvarchar	100		Years of publication of the title, as extracted from the MARC 260c field. If there are repeating MARC 260c fields in the original source document, only the first 260c value is stored here
dbo	Title		LanguageCode		YES	nvarchar	10	FOREIGN KEY	Identifier of the language of the title.
dbo	Title		TitleDescription		YES	ntext	-1		Additional information about the title. Not used.
dbo	Title		TL2Author		YES	nvarchar	100		TL2 author of the title. Not used.
dbo	Title		PublishReady	((0))	NO	bit	0		Indicates if the title is published. Titles that are not published are not indexed, and are not accessible via the public BHL user interface. (1 = published, 0 = not published)
dbo	Title		RareBooks	((0))	NO	bit	0		Not used.
dbo	Title		Note		YES	nvarchar	255		Additional information about the title. Not visible in the public user interface.
dbo	Title		CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	Title		LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	Title		CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	Title		LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	Title		OriginalCatalogingSource		YES	nvarchar	100		Original cataloguing source for the title, as shown in the MARC 040a field.
dbo	Title		EditionStatement		YES	nvarchar	450		Edition statement for the title, as shown in the MARC 250 field.
dbo	Title		CurrentPublicationFrequency		YES	nvarchar	100		Publication frequency of the title, as shown in the MARC 310a field.
dbo	Title		PartNumber		YES	nvarchar	255		Additional title information that designates the number of a work. (ex. Part 1)

dbo	Title	PartName		YES	nvarchar	255			Additional title information that designates the name of a work. (ex. Supplement)
dbo	Title	BibliographicLevelID		YES	int	0	FOREIGN KEY		Identifier of the bibliographic level (Monograph, Journal) of the title.
dbo	Title	MaterialTypeID		YES	int	0	FOREIGN KEY		Identifier of the material type (Language, manuscript, etc) of the title.
dbo	Title_Identifier								Identifiers (and their values) associated with titles.
dbo	Title_Identifier	TitleIdentifierID		NO	int	0	PRIMARY KEY		PRIMARY KEY
dbo	Title_Identifier	TitleID		NO	int	0	FOREIGN KEY		Identifier of the title.
dbo	Title_Identifier	IdentifierID		NO	int	0	FOREIGN KEY		Identifier of the identifier type.
dbo	Title_Identifier	IdentifierValue	(")	NO	nvarchar	125			Value of the identifier.
dbo	Title_Identifier	CreationDate	(getdate())	YES	datetime	0			Datestamp of record creation.
dbo	Title_Identifier	LastModifiedDate	(getdate())	YES	datetime	0			Datestamp of the last update.
dbo	Title_Identifier	CreationUserID	((1))	YES	int	0			BHL identifier of the user that created the record.
dbo	Title_Identifier	LastModifiedUserID	((1))	YES	int	0			BHL identifier of the user that performed the last update
dbo	TitleAssociation								Titles that are associated (ex. Preceding, Succeeding, Host) with a parent title.
dbo	TitleAssociation	TitleAssociationID		NO	int	0	PRIMARY KEY		PRIMARY KEY
dbo	TitleAssociation	TitleID		NO	int	0	FOREIGN KEY		Identifier of the title.
dbo	TitleAssociation	TitleAssociationTypeID		NO	int	0	FOREIGN KEY		Identifier of the type of assocaition.
dbo	TitleAssociation	Title	(")	NO	nvarchar	500			Title of the associated title.
dbo	TitleAssociation	Section	(")	NO	nvarchar	500			Section of the associated title.
dbo	TitleAssociation	Volume	(")	NO	nvarchar	500			Volume of the associaed title.
dbo	TitleAssociation	Active	((1))	NO	bit	0			Indicates if this association is active. If not, it will not be indexed or visible in the public user interface. (1 = active, 0 = not active)
dbo	TitleAssociation	AssociatedTitleID		YES	int	0	FOREIGN KEY		Identifier of the associated title, if it exists in BHL.
dbo	TitleAssociation	CreationDate	(getdate())	YES	datetime	0			Datestamp of record creation.
dbo	TitleAssociation	LastModifiedDate	(getdate())	YES	datetime	0			Datestamp of the last update.
dbo	TitleAssociation	Heading	(")	NO	nvarchar	500			Heading of the associated title.
dbo	TitleAssociation	Publication	(")	NO	nvarchar	500			Publication information for the associated title.
dbo	TitleAssociation	Relationship	(")	NO	nvarchar	500			Relationship of the associated title.
dbo	TitleAssociation	CreationUserID	((1))	YES	int	0			BHL identifier of the user that created the record.
dbo	TitleAssociation	LastModifiedUserID	((1))	YES	int	0			BHL identifier of the user that performed the last update
dbo	TitleAssociation_TitleIdentifier								Identifiers (and their values) associated with associated titles.
dbo	TitleAssociation_TitleIdentifier	TitleAssociation_TitleIdentifierID		NO	int	0	PRIMARY KEY		PRIMARY KEY
dbo	TitleAssociation_TitleIdentifier	TitleAssociationID		NO	int	0	FOREIGN KEY		Identifier of the title association.
dbo	TitleAssociation_TitleIdentifier	TitleIdentifierID		NO	int	0	FOREIGN KEY		Identifier of the identifier type.
dbo	TitleAssociation_TitleIdentifier	IdentifierValue	(")	NO	varchar	125			Value of the identifier.
dbo	TitleAssociation_TitleIdentifier	CreationDate	(getdate())	YES	datetime	0			Datestamp of record creation.
dbo	TitleAssociation_TitleIdentifier	LastModifiedDate	(getdate())	YES	datetime	0			Datestamp of the last update.

dbo	TitleAssociation_TitleIdentifier	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	TitleAssociation_TitleIdentifier	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	TitleAssociationType							Types of title associations (ex. Series Statement, Preceeding Entry, Succeeding Entry). In most cases, these map to MARC elements.
dbo	TitleAssociationType	TitleAssociationTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	TitleAssociationType	TitleAssociationName	('')	NO	nvarchar	60		Name of the assocation.
dbo	TitleAssociationType	MARCTag	('')	NO	nvarchar	20		MARC element to which this type maps.
dbo	TitleAssociationType	MARCIndicator2	('')	NO	nchar	1		MARC indicator associated with the MARC element.
dbo	TitleAssociationType	TitleAssociationLabel	('')	NO	nvarchar	30		Label used when a UI calls for a shorter description of the association.
dbo	TitleAuthor							Authors related to titles.
dbo	TitleAuthor	TitleAuthorID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	TitleAuthor	TitleID		NO	int	0	FOREIGN KEY	Identifier of the title.
dbo	TitleAuthor	AuthorID		NO	int	0	FOREIGN KEY	Identifier of the author.
dbo	TitleAuthor	AuthorRoleID		YES	int	0	FOREIGN KEY	Identifier of the author role.
dbo	TitleAuthor	Relationship	('')	NO	nvarchar	150		Relationship of the author to the title (ex. Joint author, translator)
dbo	TitleAuthor	TitleOfWork	('')	NO	nvarchar	500		Title of the work attributed to this author. Generally used for titles that compile multiple works from multiple authors.
dbo	TitleAuthor	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	TitleAuthor	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	TitleAuthor	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	TitleAuthor	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	TitleCollection							Titles associated with a collection.
dbo	TitleCollection	TitleCollectionID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	TitleCollection	TitleID		NO	int	0	FOREIGN KEY	Identifier of the title.
dbo	TitleCollection	CollectionID		NO	int	0	FOREIGN KEY	Identifier of the collection.
dbo	TitleCollection	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	TitleExternalResource			NULL		0		External resources associated with a title.
dbo	TitleExternalResource	TitleExternalResourceID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	TitleExternalResource	TitleID		NO	int	0	FOREIGN KEY	Identifier of the Title
dbo	TitleExternalResource	ExternalResourceTypeID		NO	int	0	FOREIGN KEY	Identifier of the External Resource Type
dbo	TitleExternalResource	UrlText	('')	NO	nvarchar	100		Text description of the external resource
dbo	TitleExternalResource	Url	('')	NO	nvarchar	200		URL to which the external resources is linked
dbo	TitleExternalResource	SequenceOrder	((1))	NO	smallint	0		Postiion at which the resource should be displayed, when all resources are displayed in a list.
dbo	TitleExternalResource	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	TitleExternalResource	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.

dbo	TitleExternalResource	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	TitleExternalResource	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	TitleInstitution				NULL	0		Institutions assigned to an title.
dbo	TitleInstitution	TitleInstitutionID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	TitleInstitution	TitleID		NO	int	0	FOREIGN KEY	Identifier of the Title
dbo	TitleInstitution	InstitutionCode		NO	nvarchar	10	FOREIGN KEY	Identifier of the Institution
dbo	TitleInstitution	InstitutionRoleID		NO	int	0	FOREIGN KEY	Identifier of the Institution's Role.
dbo	TitleInstitution	Url	('')	NO	nvarchar	500		Link to the institution page.
dbo	TitleInstitution	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	TitleInstitution	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	TitleInstitution	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
dbo	TitleInstitution	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
dbo	TitleKeyword							Keywords associated with a title.
dbo	TitleKeyword	TitleKeywordID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	TitleKeyword	TitleID		NO	int	0	FOREIGN KEY	Identifier of the title.
dbo	TitleKeyword	KeywordID		NO	int	0	FOREIGN KEY	Identifier of the keyword.
dbo	TitleKeyword	MarcDataFieldTag		YES	nvarchar	50		MARC data field containing the keyword. Only populated when the source of the keyword was a MARC record.
dbo	TitleKeyword	MarcSubFieldCode		YES	nvarchar	50		MARC subfield associated with the keyword. Only populated when the source of the keyword was a MARC record.
dbo	TitleKeyword	CreationDate	(getdate())	YES	datetime	0		Datestamp of record creation.
dbo	TitleKeyword	LastModifiedDate	(getdate())	YES	datetime	0		Datestamp of the last update.
dbo	TitleKeyword	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	TitleKeyword	LastModifiedUserID	((1))	YES	int	0		BHL identifier of the user that performed the last update
dbo	TitleLanguage							Additional languages associated with a title. Only used when more than one language is used (i.e. translations, multilingual titles).
dbo	TitleLanguage	TitleLanguageID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	TitleLanguage	TitleID		NO	int	0	FOREIGN KEY	Identifier of the title.
dbo	TitleLanguage	LanguageCode		NO	nvarchar	10	FOREIGN KEY	Identifier of the language.
dbo	TitleLanguage	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	TitleNote					0		Notes associated with the title.
dbo	TitleNote	TitleNoteID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	TitleNote	TitleID		NO	int	0	FOREIGN KEY	Identifier of the title
dbo	TitleNote	NoteTypeID		YES	int	0	FOREIGN KEY	Identifier of the note type
dbo	TitleNote	NoteText	('')	NO	nvarchar	-1		Text of the note.
dbo	TitleNote	NoteSequence		YES	smallint	0		Postiion at which the note should be displayed, when all notes are displayed in a list.
dbo	TitleNote	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.

Schema	Table	Column	Default	Nullable	Type	Size	Key	Description
dbo	TitleNote	CreationUserID	((1))	YES	int	0		BHL identifier of the user that created the record.
dbo	TitleVariant							Variants on the title strings of a BHL title. (ex. Translated titles, Alternate titles)
dbo	TitleVariant	TitleVariantID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	TitleVariant	TitleID		NO	int	0	FOREIGN KEY	Identifier of the title.
dbo	TitleVariant	TitleVariantTypeID		NO	int	0	FOREIGN KEY	Identifier of the variant type.
dbo	TitleVariant	Title	(")	NO	nvarchar	-1		Title variant.
dbo	TitleVariant	TitleRemainder	(")	NO	nvarchar	-1		Additional parts of the variant.
dbo	TitleVariant	PartNumber	(")	NO	nvarchar	255		Variant part number. The part number is additional title information that designates the number of a work. (ex. Part 1)
dbo	TitleVariant	PartName	(")	NO	nvarchar	255		Variant part name. The part name is additional title information that designates the name of a work. (ex. Supplement)
dbo	TitleVariant	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
dbo	TitleVariant	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
dbo	TitleVariant	CreationUserID		YES	int	0		BHL identifier of the user that created the record.
dbo	TitleVariant	LastModifiedUserID		YES	int	0		BHL identifier of the user that performed the last update
dbo	TitleVariantType							Types of title variants (ex. Translated, Abbreviated, Alternative). In most cases, these map to MARC elements.
dbo	TitleVariantType	TitleVariantTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	TitleVariantType	TitleVariantTypeName	(")	NO	nvarchar	30		Name of the variant type.
dbo	TitleVariantType	MARCTag	(")	NO	nvarchar	20		MARC element to which this type maps.
dbo	TitleVariantType	MARCIndicator2	(")	NO	nvarchar	1		MARC indicator associated with the MARC element.
dbo	TitleVariantType	TitleVariantLabel	(")	NO	nvarchar	30		Label used when a UI calls for a shorter description of the variant.
dbo	Vault							File system locations of OCR text files.
dbo	Vault	VaultID		NO	int	0	PRIMARY KEY	PRIMARY KEY
dbo	Vault	Server		YES	nvarchar	30		Server on which the OCR is located.
dbo	Vault	FolderShare		YES	nvarchar	30		Folder on which the OCR is located.
dbo	Vault	WebVirtualDirectory		YES	nvarchar	30		Web virtual directory on which the OCR is hosted.
dbo	Vault	OCRFolderShare		YES	nvarchar	100		Full file system path to the OCR files. OCR files are found in the folder named by concatenating Vault.OCRFolderShare + '\' + Item.FileRootFolder + '\' + Item.BarCode.
import	ImportFile							Files containing segments to be imported into BHL.
import	ImportFile	ImportFileID		NO	int	0	PRIMARY KEY	PRIMARY KEY
import	ImportFile	ImportFileStatusID		NO	int	0	FOREIGN KEY	FOREIGN KEY
import	ImportFile	ImportFileName		NO	nvarchar	200		Name of the file.
import	ImportFile	ContributorCode		NO	nvarchar	10		Identifier of the contributing institution.
import	ImportFile	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
import	ImportFile	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.

import	ImportFile	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
import	ImportFile	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
import	ImportFile	SegmentGenreID		YES	int	0		Identifier of the type of segment being imported.
import	ImportFileStatus							Processing statuses of files containing citations (ex. Loading , New, Imported, Rejected).
import	ImportFileStatus	ImportFileStatusID		NO	int	0	PRIMARY KEY	PRIMARY KEY
import	ImportFileStatus	StatusName	(")	NO	nvarchar	50		Name of the status.
import	ImportFileStatus	StatusDescription	(")	NO	nvarchar	500		Description of the status and its purpose.
import	ImportFileStatus	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
import	ImportFileStatus	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
import	ImportFileStatus	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
import	ImportFileStatus	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
import	ImportRecord							A segment to be imported into BHL.
import	ImportRecord	ImportRecordID		NO	int	0	PRIMARY KEY	PRIMARY KEY
import	ImportRecord	ImportFileID		NO	int	0		Identifier of the file from which this record originated.
import	ImportRecord	ImportRecordStatusID		NO	int	0		Identifier of the record status.
import	ImportRecord	Genre	(")	NO	nvarchar	50		Genre of the cited work.
import	ImportRecord	Title	(")	NO	nvarchar	2000		Title of the cited work.
import	ImportRecord	TranslatedTitle	(")	NO	nvarchar	2000		Translated title of the cited work.
import	ImportRecord	JournalTitle	(")	NO	nvarchar	2000		Title of the container of the cited work. For example, the container of an article would be the journal in which the article appears.
import	ImportRecord	Volume	(")	NO	nvarchar	100		Volume of the container.
import	ImportRecord	Series	(")	NO	nvarchar	100		Series of the container.
import	ImportRecord	Issue	(")	NO	nvarchar	100		Issue of the container.
import	ImportRecord	Edition	(")	NO	nvarchar	400		Edition of the container.
import	ImportRecord	PublicationDetails	(")	NO	nvarchar	400		Complete publication details (Name, Place, Date) for the cited work.
import	ImportRecord	PublisherName	(")	NO	nvarchar	250		Publisher of the cited work.
import	ImportRecord	PublisherPlace	(")	NO	nvarchar	150		Place of publication of the cited work.
import	ImportRecord	Year	(")	NO	nvarchar	20		Year of the cited work.
import	ImportRecord	StartYear		YES	smallint	0		Start year of the cited work (for example, if a journal is cited)
import	ImportRecord	EndYear		YES	smallint	0		End year of the cited work (for example, if a journal is cited)
import	ImportRecord	Language		YES	nvarchar	30		Language of the cited work.
import	ImportRecord	Summary	(")	NO	nvarchar	-1		Summary or abstract of the cited work.
import	ImportRecord	Notes	(")	NO	nvarchar	-1		General notes about the cited work.
import	ImportRecord	Rights	(")	NO	nvarchar	-1		Rights statement of the cited work.
import	ImportRecord	DueDiligence	(")	NO	nvarchar	-1		Due diligence statement of the cited work.
import	ImportRecord	CopyrightStatus	(")	NO	nvarchar	-1		Copyright status of the cited work.
import	ImportRecord	License	(")	NO	nvarchar	-1		Name of the license that applies to this cited work's content.

import	ImportRecord	LicenseUrl	(")	NO	nvarchar	200		URL to the license (ex. Creative Commons) that applies to the cited work's content.
import	ImportRecord	PageRange	(")	NO	nvarchar	50		The range of pages in the container on which the cited work appears.
import	ImportRecord	StartPage	(")	NO	nvarchar	20		First page number in the container on which the cited work appears.
import	ImportRecord	EndPage	(")	NO	nvarchar	20		Last page number in the container on which the cited work appears.
import	ImportRecord	Url	(")	NO	nvarchar	200		URL of a location external to BHL at which the cited work is located
import	ImportRecord	DownloadUrl	(")	NO	nvarchar	200		URL for downloading the cited work.
import	ImportRecord	DOI	(")	NO	nvarchar	125		DOI of the cited work (or the work's container).
import	ImportRecord	ISSN	(")	NO	nvarchar	125		ISSN of the cited work (or the work's container)
import	ImportRecord	ISBN	(")	NO	nvarchar	125		ISBN of the cited work (or the work's container)
import	ImportRecord	OCLC	(")	NO	nvarchar	125		OCLC # of the cited work (or the work's container)
import	ImportRecord	LCCN	(")	NO	nvarchar	125		LCCN of the cited work (or the work's container)
import	ImportRecord	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
import	ImportRecord	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
import	ImportRecord	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
import	ImportRecord	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
import	ImportRecord	TitleID		YES	int	0		Identifier of a BHL title to which the segment is related.
import	ImportRecord	ItemID		YES	int	0		Identifier of a BHL item to which the segment is related.
import	ImportRecord	SegmentID		YES	int	0		BHL Identifier of the segment.
import	ImportRecord	StartPageID		YES	int	0		BHL identifier for the start page of the segment.
import	ImportRecord	EndPageID		YES	int	0		BHL identifier for the end page of the segment.
import	ImportRecordCreator							Authors associated with imported segments.
import	ImportRecordCreator	ImportRecordCreatorID		NO	int	0	PRIMARY KEY	PRIMARY KEY
import	ImportRecordCreator	ImportRecordID		NO	int	0		Identifier of the imported record.
import	ImportRecordCreator	FullName	(")	NO	nvarchar	300		The full name of the author. This might be the combined first and last names of a person, the name of a corporation, or the name of a conference/meeting.
import	ImportRecordCreator	FirstName	(")	NO	nvarchar	150		Last name of the author.
import	ImportRecordCreator	LastName	(")	NO	nvarchar	150		First name of the author.
import	ImportRecordCreator	StartYear	(")	NO	nvarchar	25		Exact value depends on the author type. Example values are dates of birth and conference start dates.
import	ImportRecordCreator	EndYear	(")	NO	nvarchar	25		Exact value depends on the author type. Example values are dates of death and conference end dates.
import	ImportRecordCreator	AuthorType	(")	NO	nvarchar	50		Identifies the type of the author. (ex. Person, corporation)
import	ImportRecordCreator	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
import	ImportRecordCreator	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
import	ImportRecordCreator	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
import	ImportRecordCreator	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update

import	ImportRecordCreator	AuthorID		YES	int	0		BHL identifier of the author.
import	ImportRecordErrorLog							Errors encountered when processing imported segments.
import	ImportRecordErrorLog	ImportRecordErrorLogID		NO	int	0	PRIMARY KEY	PRIMARY KEY
import	ImportRecordErrorLog	ImportRecordID		NO	int	0		Identifier of the imported record.
import	ImportRecordErrorLog	ErrorDate	(getdate())	NO	datetime	0		Date and time of the error.
import	ImportRecordErrorLog	ErrorMessage	('')	NO	nvarchar	-1		Details of the error.
import	ImportRecordErrorLog	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
import	ImportRecordErrorLog	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
import	ImportRecordErrorLog	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
import	ImportRecordErrorLog	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
import	ImportRecordKeyword							Keywords/subjects that apply to imported segments.
import	ImportRecordKeyword	ImportRecordKeywordID		NO	int	0	PRIMARY KEY	PRIMARY KEY
import	ImportRecordKeyword	ImportRecordID		NO	int	0		Identifier of the imported record.
import	ImportRecordKeyword	Keyword	('')	NO	nvarchar	50		The keyword
import	ImportRecordKeyword	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
import	ImportRecordKeyword	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
import	ImportRecordKeyword	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
import	ImportRecordKeyword	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
import	ImportRecordPage				NULL	0		Pages that apply to imported segments.
import	ImportRecordPage	ImportRecordPageID		NO	int	0	PRIMARY KEY	PRIMARY KEY
import	ImportRecordPage	ImportRecordID		NO	int	0		Identifier of the imported record.
import	ImportRecordPage	PageID		NO	int	0		Identifer of a BHL page record.
import	ImportRecordPage	SequenceOrder	((1))	NO	smallint	0		Position of the page within the segment.
import	ImportRecordPage	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
import	ImportRecordPage	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
import	ImportRecordPage	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
import	ImportRecordPage	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
import	ImportRecordStatus							Statuses of imported segments (ex. New, Imported, Rejected, Error).
import	ImportRecordStatus	ImportRecordStatusID		NO	int	0	PRIMARY KEY	PRIMARY KEY
import	ImportRecordStatus	StatusName	('')	NO	nvarchar	50		Name of the status.
import	ImportRecordStatus	StatusDescription	('')	NO	nvarchar	500		Description of the status and its purpose.
import	ImportRecordStatus	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
import	ImportRecordStatus	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
import	ImportRecordStatus	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
import	ImportRecordStatus	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update

reqlog	Application							Applications and/or components of BHL for which requests are being logged. Examples are the BHL API, the OpenURL Resolver, and search requests.
reqlog	Application	ApplicationID		NO	int	0	PRIMARY KEY	PRIMARY KEY
reqlog	Application	ApplicationName		NO	varchar	50		Name of the application for which requests are being logged.
reqlog	RequestHistory				NULL	0		Aggregated request statistics. Contains the number of requests per application per day.
reqlog	RequestHistory	RequestHistoryID		NO	int	0	PRIMARY KEY	PRIMARY KEY
reqlog	RequestHistory	ApplicationID		NO	int	0	FOREIGN KEY	Identifier of the logged application.
reqlog	RequestHistory	RequestDate		NO	datetime	0		Date of the logged request.
reqlog	RequestHistory	NumRequests		NO	int	0		Number of requests on the specified date.
reqlog	RequestHistoryByTopUsers							Aggretated request statistics. Contains the top 20 users (IP Addresses) per application per day, ranked by the number of requests.
reqlog	RequestHistoryByTopUsers	RequestHistoryByTopUsers		NO	int	0	PRIMARY KEY	PRIMARY KEY
reqlog	RequestHistoryByTopUsers	ApplicationID		NO	int	0	FOREIGN KEY	Identifier of the logged application.
reqlog	RequestHistoryByTopUsers	RequestDate		NO	datetime	0		Date of the logged request.
reqlog	RequestHistoryByTopUsers	RankForDate		NO	int	0		Rank of this user on the date. (Most, 2nd most, etc)
reqlog	RequestHistoryByTopUsers	IPAddress		YES	varchar	15		IP Address of the user submitting the request.
reqlog	RequestHistoryByTopUsers	UserID		YES	int	0		Identifier of the user submitting the request.
reqlog	RequestHistoryByTopUsers	NumRequests		NO	int	0		Number of requests submitted by the specified user on the specified date.
reqlog	RequestHistoryByType							Aggregated request statistics. Contains the number of requests per request type per day.
reqlog	RequestHistoryByType	RequestHistoryByTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
reqlog	RequestHistoryByType	ApplicationID		NO	int	0	FOREIGN KEY	Identifier of the logged application.
reqlog	RequestHistoryByType	RequestDate		NO	datetime	0		Date of the logged request.
reqlog	RequestHistoryByType	RequestTypeID		NO	int	0	FOREIGN KEY	Identifier of the logged request type.
reqlog	RequestHistoryByType	NumRequests		NO	int	0		Number of requests submitted of the specific type on the specified date.
reqlog	RequestLog							Contains all requests logged in the past 14 days.
reqlog	RequestLog	RequestLogID		NO	int	0	PRIMARY KEY	PRIMARY KEY
reqlog	RequestLog	ApplicationID		NO	int	0	FOREIGN KEY	Identifier of the logged application.
reqlog	RequestLog	IPAddress		YES	varchar	15		IP Address of the user submitting the request.
reqlog	RequestLog	UserID		YES	int	0		Identifier of the user submitting the request.
reqlog	RequestLog	CreationDate	(getdate())	NO	datetime	0		Date of the logged request.
reqlog	RequestLog	RequestTypeID		NO	int	0	FOREIGN KEY	Identifier of the logged request type.
reqlog	RequestLog	Detail		YES	varchar	2000		Extra detail about the request. May include API, OpenURL, or search parameters.

reqlog	RequestLogArchive							Contains all requests logged in the past 14-90 days. Requests older than 90 days are not kept.
reqlog	RequestLogArchive	RequestLogID		NO	int	0	PRIMARY KEY	PRIMARY KEY
reqlog	RequestLogArchive	ApplicationID		NO	int	0		Identifier of the logged application.
reqlog	RequestLogArchive	IPAddress		YES	varchar	15		IP Address of the user submitting the request.
reqlog	RequestLogArchive	UserID		YES	int	0		Identifier of the user submitting the request.
reqlog	RequestLogArchive	CreationDate		NO	datetime	0		Date of the logged request.
reqlog	RequestLogArchive	RequestTypeID		NO	int	0		Identifier of the logged request type.
reqlog	RequestLogArchive	Detail		YES	varchar	2000		Extra detail about the request. May include API, OpenURL, or search parameters.
reqlog	RequestType							Types of requests being logged. Examples are individual API methods.
reqlog	RequestType	RequestTypeID		NO	int	0	PRIMARY KEY	PRIMARY KEY
reqlog	RequestType	RequestTypeName		NO	varchar	50		Description of the type of request being logged.
reqlog	RequestType	ApplicationID	((1))	NO	int	0	FOREIGN KEY	Identifier of the logged application.
txtimport	TextImportBatch				NULL	0		Batches of one or more files containing page text/transcriptions.
txtimport	TextImportBatch	TextImportBatchID		NO	int	0	PRIMARY KEY	PRIMARY KEY
txtimport	TextImportBatch	TextImportBatchStatusID		NO	int	0	FOREIGN KEY	Identifier of the import batch status.
txtimport	TextImportBatch	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
txtimport	TextImportBatch	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
txtimport	TextImportBatch	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
txtimport	TextImportBatch	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
txtimport	TextImportBatchFile				NULL	0		Files containing page text/transcriptions.
txtimport	TextImportBatchFile	TextImportBatchFileID		NO	int	0	PRIMARY KEY	PRIMARY KEY
txtimport	TextImportBatchFile	TextImportBatchID		NO	int	0	FOREIGN KEY	Identifier of the import batch.
txtimport	TextImportBatchFile	TextImportBatchFileStatusID		NO	int	0	FOREIGN KEY	Identifier of the import batch file status.
txtimport	TextImportBatchFile	ItemID		YES	int	0	FOREIGN KEY	Identifer of an item.
txtimport	TextImportBatchFile	Filename	(")	NO	nvarchar	500		Name of the imported file.
txtimport	TextImportBatchFile	FileFormat	(")	NO	nvarchar	100		Format of the imported file (ftp, stc, dv).
txtimport	TextImportBatchFile	ErrorMessage	(")	NO	nvarchar	-1		Error encountered while importing the file.
txtimport	TextImportBatchFile	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
txtimport	TextImportBatchFile	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
txtimport	TextImportBatchFile	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
txtimport	TextImportBatchFile	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
txtimport	TextImportBatchFileStatus				NULL	0		Statuses of imported text files.
txtimport	TextImportBatchFileStatus	TextImportBatchFileStatusID		NO	int	0	PRIMARY KEY	PRIMARY KEY
txtimport	TextImportBatchFileStatus	StatusName	(")	NO	nvarchar	50		Name of the file status.
txtimport	TextImportBatchFileStatus	StatusDescription	(")	NO	nvarchar	500		Description of the file status.
txtimport	TextImportBatchFileStatus	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.

txtimport	TextImportBatchFileStatus	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
txtimport	TextImportBatchFileStatus	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
txtimport	TextImportBatchFileStatus	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update
txtimport	TextImportBatchStatus				NULL	0		Statuses of text import batches.
txtimport	TextImportBatchStatus	TextImportBatchStatusID		NO	int	0	PRIMARY KEY	PRIMARY KEY
txtimport	TextImportBatchStatus	StatusName	(")	NO	nvarchar	50		Name of the batch status.
txtimport	TextImportBatchStatus	StatusDescription	(")	NO	nvarchar	500		Description of the batch status.
txtimport	TextImportBatchStatus	CreationDate	(getdate())	NO	datetime	0		Datestamp of record creation.
txtimport	TextImportBatchStatus	LastModifiedDate	(getdate())	NO	datetime	0		Datestamp of the last update.
txtimport	TextImportBatchStatus	CreationUserID	((1))	NO	int	0		BHL identifier of the user that created the record.
txtimport	TextImportBatchStatus	LastModifiedUserID	((1))	NO	int	0		BHL identifier of the user that performed the last update