

LANDONLINE DATA

Terralink International's CRS layer structure:

| Table Name | Purpose | Feature type |
|-----------------------|----------------------------|-----------------|
| TL_ADDRESS | Street Addresses | point |
| TL_BOUNDARY * | Boundary Lines | line |
| TL_COVENANT | Covenant Centrelines | line |
| TL_HYDRO * | Cadastral Hydro | polygon |
| TL_PARCEL * | Survey Parcels | polygon |
| TL_PLAN | Survey Plan Reference | point |
| TL_RAIL_CL | Railway Centrelines | line |
| TL_ROAD_CL | Road Centrelines | line |
| TL_RR_SEGMENT * | Road and Railway Parcels | polygon |
| TL_STRATA | Strata Parcels | polygon |
| TL_PLACE | Geographic Features | point / polygon |
| TL_PARCEL_TITLE_POINT | Title and Owner Details | point |
| TL_GEODETIC | Geodetic Marks | point |
| TL_EASEMENT_PARCEL | Easement polygons | polygon |
| TL_EASEMENT_LINE | Easement lines | line |
| TL_LEASE_PARCEL | Lease polygons | polygon |
| RELATE TABLES | Address to Parcel | |
| | Parcel to Plan | NA |
| | Parcel to Statutory action | |

* TL_BOUNDARY contains all the linework in TL_PARCEL, TL_HYDRO and TL_RR_SEGMENT.

For information on the source CRS data download the LINZ data dictionary (196 pages, 852kb PDF) at:

http://www.linz.govt.nz/docs/surveysystem/landonline_bulkdata/bulk_data_extract-data_dictionary-v11-0.pdf

LANDONLINE DATA

Terralink International's CRS layers and field descriptions:

TL_ADDRESS

This table holds the address point features, with the point positioned to best suit its physical location. *Landonline* notes that the flat numbers are usually omitted, using the principal address only.

| Field | Description | Source |
|------------------|---|-------------------------|
| ADDRESS_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| CENTRELINE_ID | SUE of the Road Centreline associated with this address. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB | <i>Landonline</i> |
| ADDRESS | House Number - can be any alphanumeric character | <i>Landonline</i> |
| RANGE_LOW | Lowest number that is part of a house number. | <i>Landonline</i> |
| RANGE_HIGH | Highest number that is part of a house number. This value will be NULL if the house number only has a single number. | <i>Landonline</i> |
| ROAD_NAME | Full name of the passageway. | <i>Landonline</i> |
| LOCATION | Used only when there are two roads with the same name within a single Territorial Authority. When this occurs, the location field is populated with a place name indicating the general vicinity of its location. | <i>Landonline</i> |
| LAND_DISTRICT_ID | Four digit code for Land District ID | Terralink International |
| CREATE_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

TL_BOUNDARY

This table holds the cadastral lines from the *tl_parcel*, *tl_rr_segment* and *tl_hydro* tables. Any features converted from the old DCDB have their feature code inserted in the *dcd_b_feat_code* field; any new CRS features have their feature code evaluated from the neighbouring parcels by Terralink International.

| Field | Description | Source |
|---------------|---|---|
| LINE_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | <i>Landonline</i> |
| BOUNDARY_FLAG | Flag for indicating cadastral features | <i>Landonline</i> and Terralink International |

| | | |
|------------------|--|---|
| DCDB_FEAT_CODE | The feature code of the boundary line feature, being a description of what parcel types the boundary line divides (i.e. r_r_bdy, r_r_hyd, r_r_arc, parcel_bdy, parcel_hyd, parcel_arc etc) LINZ no longer updates the feature codes in <i>Landonline</i> , but any records converted from the DCDB will have their DCDB feat_code assigned. For records added since the DCDB conversion, Terralink International derives values for feat_code. | <i>Landonline</i> and Terralink International |
| LAND_DISTRICT_ID | Four digit code for Land District ID | Terralink International |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

TL_COVENANT

This table contains line features that are typically easements in gross, such as walkways and pipelines (e.g. Kapuni Gas Pipeline). The easements appear to consist mainly of statutory easements i.e. not easements as defined on Land Transfer plans. The Name, Purpose and Legality of these features are included in the fields.

| Field | Description | Source |
|------------------|---|-------------------------|
| PARCEL_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | <i>Landonline</i> |
| NAME | Any Name information (i.e. reserve name). | <i>Landonline</i> |
| PURPOSE | Purpose of the centreline feature, given by Statutory Action. | <i>Landonline</i> |
| OTHER_LEGALITY | Other legality information brought forward from DCDB. (i.e. other than gazetting) | <i>Landonline</i> |
| GAZ_TYPE | Gazette type. | <i>Landonline</i> |
| GAZ_YEAR | Gazette year | <i>Landonline</i> |
| GAZ_PAGE | Gazette page number | <i>Landonline</i> |
| VESTING_SURV_ID | The SUE reference for the plan the feature was vested on. | <i>Landonline</i> |
| LAND_DISTRICT_ID | Four digit code for Land District ID | Terralink International |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

TL_HYDRO

This table replaces the DCDB table `hyd_segment`, containing all the parcels that *Landonline* consider hydro polygons. Some hydro features may not be included in this table, as they have a legal appellation and are included in the `TL_PARCEL` table (i.e. Lot 1 DP 80021 - Lake Ellesmere)

| Field | Description | Source |
|------------------|---|-------------------------|
| PARCEL_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | <i>Landonline</i> |
| NAME | Any name information created by statutory action (i.e. Name of the reserve) | <i>Landonline</i> |
| PURPOSE | Purpose of the parcel, given by Statutory Action. | <i>Landonline</i> |
| OTHER_LEGALITY | Other legality information brought forward from DCDB. (i.e. other than gazetting) | |
| GAZ_TYPE | Gazette Type | <i>Landonline</i> |
| GAZ_YEAR | Gazette Reference (year). | <i>Landonline</i> |
| GAZ_PAGE | Used to record other legality information brought forward from DCDB. | <i>Landonline</i> |
| PLACE_NAME | The name of the hydro feature (may not be unique) | <i>Landonline</i> |
| LAND_DISTRICT_ID | Four digit code for Land District ID | Terralink International |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

TL_PARCEL

This table contains all cadastral parcels with their respective legality included.

The appellation is split up into its various components as well as being concatenated into the `full_appellation` field by Terralink International. Any non-conforming appellations (i.e. Crown Land, Closed Road) are shown in the `other_appellation` field as well as being referenced to the `full_appellation` field. The legality is shown in the `gaz type/year/page`, `vesting_id` or `other_legality` field depending on the statutory action.

| Field | Description | Source |
|-----------------|---|---|
| PARCEL_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | <i>Landonline</i> |
| FULL_APP | Full Appellation. Derived by combining various fields. | Terralink International |
| SURVEY_AREA | Surveyed area shown on the parent plan, in hectares. | Terralink International, derived from <i>Landonline</i> |
| TOTAL_AREA | Total area of combined sub parcels, in hectares. | Terralink International, derived from <i>Landonline</i> |
| CALCULATED_AREA | Area calculated by the <i>Landonline</i> module Plan | Terralink |

| | | |
|-------------------|---|---|
| | Capture, in hectares. | International, derived from <i>Landonline</i> |
| DOCUMENT | Reference to a document of a parcel, which is not currently defined by Survey. | <i>Landonline</i> |
| OTHER_LEGALITY | Other legality information brought forward from DCDB. (i.e. other than gazetting) | <i>Landonline</i> |
| VESTING_SURV_ID | The SUE reference for the Deposited Plan the feature was vested on. | <i>Landonline</i> |
| GAZ_TYPE | Gazette Type. | <i>Landonline</i> |
| GAZ_YEAR | Gazette Reference (year). | <i>Landonline</i> |
| GAZ_PAGE | Gazette Reference (page number). | <i>Landonline</i> |
| PART_INDICATOR | An indicator showing if the parcel exists as a part or whole. | <i>Landonline</i> |
| PARCEL_TYPE | Type of parcel used to describe the land. | <i>Landonline</i> |
| PARCEL_VALUE | Number or letter of the parcel appellation | <i>Landonline</i> |
| PARCEL_TYPE2 | Type of parcel where a secondary parcel exists. | <i>Landonline</i> |
| PARCEL_VALUE2 | Number or letter associated with the secondary parcel appellation. | <i>Landonline</i> |
| BLOCK | Block number associated with the parcels District or Plan. | <i>Landonline</i> |
| SUB_TYPE | The type of plan or District of the parcel appellation | <i>Landonline</i> |
| APPELLATION_VALUE | The number of the plan or name of the District of the parcel appellation | <i>Landonline</i> |
| OTHER_APPELLATION | Other non-standard parcel appellation (i.e. Closed Road, Crown Land) | <i>Landonline</i> |
| NAME_MAORI | Name of Maori block. | <i>Landonline</i> |
| PURPOSE | Purpose of the parcel, given by Statutory Action. | <i>Landonline</i> |
| LAND_DISTRICT_ID | Four digit code for Land District ID | Terralink International |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

TL_PLAN

This table contains the survey plan point features with the plan number and type outlined in the fields.

| Field | Description | Source |
|------------------|--|-------------------------|
| PARCEL_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| DATASET_SERIES | The type of plan (i.e. LT, DP, SO, ML etc). | <i>Landonline</i> |
| DATASET_ID | The plan number. All new surveys created by CRS will be unique | <i>Landonline</i> |
| DATASET_SUFFIX | The suffix of the plan number. Usually used for Unit Stage developments. | <i>Landonline</i> |
| TYPE_OF_DATASET | The type of plan. (i.e. UNKN, SRVY, UNIT) | <i>Landonline</i> |
| SURVEY_LABEL_ID | Unique ID of the Survey Label Point | <i>Landonline</i> |
| LAND_DISTRICT_ID | Four digit code for Land District ID | Terralink International |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

TL_RAIL_CL

This table contains the railway centreline features with the full name of the railway line and a location is shown if there are multiple features with the same name.

| Field | Description | Source |
|------------------|---|-------------------------|
| CENTRELINE_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | <i>Landonline</i> |
| RAIL_NAME1 | Full name of the railway | <i>Landonline</i> |
| LOCATION1 | Used only if there are 2 railway lines with the same name within a single Local Authority. When this occurs, the location1 field will be populated with a place name indicating the general vicinity of its location. | <i>Landonline</i> |
| RAIL_NAME2 | Alternative full name of the railway | <i>Landonline</i> |
| LOCATION2 | Used only if there are 2 railway lines with the same name within a single Local Authority. When this occurs, the location2 field will be populated with a place name indicating the general vicinity of its location. | <i>Landonline</i> |
| LAND_DISTRICT_ID | Four digit code for Land District ID | Terralink International |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

TL_ROAD_CL

This table contains the road centreline features with the full name of the road and a location is shown if there are multiple roads with the same name within the same Territorial Authority. The address range for the centreline is also broken down to their respective fields

| Field | Description | Source |
|---------------|--|-------------------------|
| CENTRELINE_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | <i>Landonline</i> |
| ROAD_NAME1 | Road Name associated with the centreline | <i>Landonline</i> |
| LOCATION1 | The Location1 field will be populated with a place name indicating the general vicinity of the roads location. | <i>Landonline</i> |
| ROAD_NAME2 | Secondary road name associated with the centreline. | <i>Landonline</i> |
| LOCATION2 | The Location2 field will be populated with a place name indicating the general vicinity of the roads location. | <i>Landonline</i> |
| ROAD_NAME3 | Tertiary road name associated with the centreline. | <i>Landonline</i> |
| LOCATION3 | The Location3 field will be populated with a place name indicating the general vicinity of the roads location. | <i>Landonline</i> |
| LOW_EVEN | Lowest even street address associated with this centreline. | Terralink International |

| | | |
|------------------|--|-------------------------|
| HIGH_EVEN | Highest even street address associated with this centreline. | Terralink International |
| LOW_ODD | Lowest odd street address associated with this centreline. | Terralink International |
| HIGH_ODD | Highest odd street address associated with this centreline. | Terralink International |
| LAND_DISTRICT_ID | Four digit code for Land District ID | Terralink International |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

TL_RR_SEGMENT

This table contains the road and railway casements as polygons with the type of passageway indicated, but not the actual road name. This replaces the DCDB rr_segment, road_inter and rail_segment polygon features.

| Field | Description | Source |
|------------------|---|---|
| CENTRELINE_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | <i>Landonline</i> |
| TYPE | Type of passageway (i.e. ROAD, RAILWAY) | Terralink International, derived from <i>Landonline</i> |
| LAND_DISTRICT_ID | LAND_DISTRICT_ID Four digit code for Land District ID | Terralink International |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

TL_STRATA

This table has identical fields as the tl_parcel table. It contains parcels that are associated with primary parcel intents (in tl_parcel) but would create overlaps if included in it. These features can overlap more than one primary parcel. Examples of these features are bridges, tunnels and units.

Note: TL_strata line features have been removed from the parcel line work file 'tl_boundary'

| Field | Description | Source |
|-------------|---|---|
| PARCEL_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | <i>Landonline</i> |
| FULL_APP | Full Appellation. Derived by combining various fields. | Terralink International |
| SURVEY_AREA | Surveyed area shown on the parent plan, in hectares. | Terralink International, derived from <i>Landonline</i> |
| TOTAL_AREA | Total area of combined sub parcels, in hectares. | Terralink International, |

| | | |
|-------------------|---|---|
| | | derived from <i>Landonline</i> |
| CALCULATED_AREA | Area calculated by the <i>Landonline</i> module Plan Capture, in hectares. | Terralink International, derived from <i>Landonline</i> |
| DOCUMENT | Reference to a document of a parcel, which is not currently defined by Survey. | <i>Landonline</i> |
| OTHER_LEGALITY | Other legality information brought forward from DCDB. (i.e. other than gazetting) | <i>Landonline</i> |
| VESTING_SURV_ID | The SUE reference for the Deposited Plan the feature was vested on. | <i>Landonline</i> |
| GAZ_TYPE | Gazette Type. | <i>Landonline</i> |
| GAZ_YEAR | Gazette Reference (year). | <i>Landonline</i> |
| GAZ_PAGE | Gazette Reference (page number). | <i>Landonline</i> |
| PART_INDICATOR | An indicator showing if the parcel exists as a part or whole. | <i>Landonline</i> |
| PARCEL_TYPE | Type of parcel used to describe the land. | <i>Landonline</i> |
| PARCEL_VALUE | Number or letter of the parcel appellation | <i>Landonline</i> |
| PARCEL_TYPE2 | Type of parcel where a secondary parcel exists. | <i>Landonline</i> |
| PARCEL_VALUE2 | Number or letter associated with the secondary parcel appellation. | <i>Landonline</i> |
| BLOCK | Block number associated with the parcels District or plan. | <i>Landonline</i> |
| SUB_TYPE | The type of plan or District of the parcel appellation | <i>Landonline</i> |
| APPELLATION_VALUE | The number of the plan or name of the District of the parcel appellation | <i>Landonline</i> |
| NAME_MAORI | Name of Maori block. | <i>Landonline</i> |
| PURPOSE | Purpose of the parcel, given by Statutory Action. | <i>Landonline</i> |
| LAND_DISTRICT_ID | Four digit code for Land District ID | Terralink International |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

TL_PLACE_POINT / POLYGON

This spatial data shows 'LINZ defined' geographic locations or points for contextual use. It is provided as both points and polygons (polygons being predominantly hydro features).

| Field | Description | Source |
|-----------|--|-------------------|
| PLACE_ID | Unique Identifier | <i>Landonline</i> |
| NAME | Name of feature (may not be unique) | <i>Landonline</i> |
| FEAT_TYPE | type of feature– road, river, stream, mountain etc | <i>Landonline</i> |
| DETAILS | Other details associated with the feature, such as suburb, location etc. To assist with identifying features with the same name. | <i>Landonline</i> |

TL_PARCEL_TITLE_POINT

We deliver LINZ title data in two formats - as a spatial point file and in a non-spatial relate table. This gives users the option of quickly viewing the Certificate of Title via the spatial point or joining the CT data to the parcel table for a complete querying map.

The source data from LINZ provides the title and parcel data in individual tables, with a relate table to join the two together on their unique-ids. Instead of providing the title data and join table to the user Terralink joins the two together and drops the title-id

| Field | Description | Source |
|------------|--|------------|
| PARCEL_ID | Unique Identifier | Landonline |
| TITLE_NO | Title reference | Landonline |
| OWNERS | First five owners - surname first, alphabetically ordered | Landonline |
| STATUS | The status of the title - ie. LIVE or PART-CANCELLED | Landonline |
| LEGAL_DESC | The survey legal description | Landonline |
| PRIOR_CT | The prior title reference | Landonline |
| CALC_AREA | The combined calculated area of all the land the title is for. In square meters. | Landonline |
| ISSUE_DATE | Date of title issue | Landonline |
| LANDIST | Land district | Landonline |

GEODETTIC MARK LAYER POINT

Marks are extracted from CRS where a geodetic code has been assigned to a mark and the mark has a Mark Status of "Commissioned".

The geodetic information available in TL_GEODETTIC:

| SHAPE NAME | | |
|---------------------|-----------------------|-----------------------------|
| TL_GEODETTIC | Field type and length | Description |
| MARK_ID | NUMBER (14,0) | Unique ID allocated by LINZ |
| NODE_ID | NUMBER (14,0) | Unique ID allocated by LINZ |
| MARK_LABEL | CHAR (100) | Mark Label given |
| MARK_CODE | CHAR (100) | Mark code given |
| MARK_NAME | CHAR (100) | Mark name given |
| VERTICAL_ORDER | CHAR (18) | (See Definition Below) |
| HORIZONTAL_ORDER_49 | CHAR (30) | (See Definition Below) |
| HORIZONTAL_ORDER_2K | CHAR (30) | (See Definition Below) |

Further Details on the layer:

The internet address to search the LINZ Geodetic Database for additional mark and coordinate information is: www.linz.govt.nz then go to Survey System and Geodetic Information or go direct with www.linz.govt.nz/rcs/linz/pub/web/root/core/SurveySystem/GeodeticInfo/geodeticdatabase/index.jsp

The following LINZ table lists the horizontal orders used for New Zealand Geodetic Datum 2000 (NZGD2000) coordinates. These indicate the quality of the coordinates, and the role of the survey mark in the development of the geodetic control and cadastral survey framework. Please note that the mark order for NZGD2000 bears no relationship to the mark orders for NZGD49, which are given later.

Since April 2000 the geodetic control data including orders of accuracy are maintained in the *Landonline* system in conjunction with cadastral data.

Orders 0-7 are considered to be survey accurate and the accuracy defines the relative accuracy between marks. The accuracy defined for Orders 8-10 is indicative only. Orders 6 and 7 are applied to *Landonline* survey accurate cadastral traverse and boundaries respectively.

| Order | Description | Accuracy |
|-------|---|------------------|
| 0 | International Control Network | 0.003m + 0.01ppm |
| 1 | National Control Network | 0.003m + 0.1ppm |
| 2 | Regional Control Network | 0.003m + 1ppm |
| 3 | Local Control Network | 0.01m + 3ppm |
| 4 | Urban Control Network | 0.01m + 10ppm |
| 5 | Cadastral control (includes new control, and resurveyed and/or adopted and adjusted existing NZGD49 or Old Cadastral urban and rural control) | 0.01m + 30ppm |
| 6 | Cadastral traverses that comply with Survey Regulation 1998 | 0.02m + 100ppm |
| 7i | Class I boundaries that comply with Survey Regulation 1998 | 0.03m + 100ppm |
| 7ii | Class II boundaries that comply with Survey Regulation 1998 | 0.10m + 100ppm |
| 7iii | Class III boundaries that comply with Survey Regulation 1998 | 0.25m + 100ppm |
| 8 | Converted 1st - 5th order NZGD49 control Converted NZGD49 traverse data Converted higher accuracy DCDB data | 0.5m |
| 9 | Converted medium accuracy DCDB data | 2.5m |
| 10 | Converted 6th order NZGD49 control Converted low accuracy DCDB data | 40m |

The following LINZ table lists the orders used for New Zealand Geodetic Datum 1949 (NZGD49) coordinates. These indicate the precision of the coordinates, the methodology used in surveying them, and the role of the survey mark in the development of the geodetic framework.

| Order | Description |
|-------|--|
| 1 | Coordinates derived from the original adjustment in 1949. These coordinates define the NZGD49 datum. The observations used meet the <u>1st order standards</u> |
| 2 | Coordinates derived from adjustments of observations of <u>2nd order standards</u> connecting to 1st order marks |
| 3 | Coordinates derived from adjustments of observations of <u>3rd order standards</u> connecting to 1st or 2nd order marks |
| 4a | Coordinates from 2nd or 3rd order control downgraded because of poor design, high density, substandard ground marking, large adjustment corrections or non-compliance with 2nd/3rd order specifications. |
| 4b | Coordinates supplied by LINZ District Office or LINZ contractors from modern reliable survey fix with proven origin and observation specifications, e.g. bench mark coordinates derived from urban or rural geodetic control surveys, trig coordinates derived from photo control surveys. |
| 4c | Coordinates determined by a hanging line fix over 100m long from a 1st, 2nd or 3rd order station. Also bench mark with geodetic coordinates obtained from |

| | |
|---------------------|--|
| | unknown source. |
| 4h | NZGD49 coordinates obtained by double entry table transformation from initial coordinates in terms of Hawkes Bay 1931 Datum. |
| 5 | Old Cadastral Datum (OCD) coordinates that have been adjusted into the geodetic network using the original triangulation field data. |
| 6a | OCD coordinates converted to NZGD49 by double entry table transformation. |
| 6b | Geodetic coordinates obtained by scaling from maps. |
| 2d, 3d or 4d | Coordinates calculated in terms of a relatively accurate "working datum" model of the proposed new Datum 2000 and then transformed to NZGD49. For these orders the number reflects the role of the mark in the NZGD49 datum - it is not related to the order the mark will have in the forthcoming Datum 2000. These coordinates are sometimes inconsistent with other local NZGD49 coordinates as they are often measured from remote marks using GPS. The transformation models some of the distortion in the NZGD49 datum, but it cannot represent all local effects. |

The following LINZ table lists the vertical orders used with heights in New Zealand. The order indicates the precision of the height and the methods used to determine it. A numerically lower order generally implies a more reliable height.

| Order | Description |
|-------|--|
| 1 | First and second order precise spirit-levelling carried out to full precise level specifications on stations constructed to acceptable bench marks standards. The maximum closure error is +/- 2 mm \sqrt{k} , where k is the distance in kilometres. |
| 2 | Third order spirit-levelling with a maximum closure error of +/- 7 mm \sqrt{k} , where k is the distance in kilometres; precise levelling of marks not constructed to acceptable bench mark standards; simultaneous reciprocal trigonometric levelling over short lines provided origin has a 1st or 2nd order height. |
| 3 | Less accurate levelling than above provided the origin has a 1st, 2nd or 3rd order height; systematically adjusted trigonometric levelling with good adjustment corrections and reliable fixed heights. |
| 4 | Conventional systematically adjusted trigonometric levelling with poor adjustment corrections, weak fixes, long lines or hanging line connection. |
| 5 | Station height of unknown reliability or doubtful accuracy. |

TL_EASEMENT_PARCEL

This table contains LINZ 'secondary parcels' – these are generally easement parcels. There are other types of parcels in this layer which can be identified by using the 'parcel intent' field. These features do not overlap more than one tl_parcel polygon. *Note:* These features are usually only present if the survey was deposited via LINZ e-survey.

| Field | Description | Source |
|----------------|---|-------------------|
| PARCEL_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | <i>Landonline</i> |
| NAME | Any name information created by statutory action (i.e. Name of the reserve) | <i>Landonline</i> |
| PURPOSE | Purpose of the parcel, given by Statutory Action. | <i>Landonline</i> |
| OTHER_LEGALITY | Other legality information brought forward from DCDB. (i.e. other than gazetting) | <i>Landonline</i> |

| | | |
|-------------------|---|----------------------------|
| GAZ_TYPE | Gazette type | Landonline |
| GAZ_YEAR | Gazette Reference (year). | Landonline |
| GAZ_PAGE | Gazette Reference (page number). | Landonline |
| VESTING_SURVEY_ID | The SUE reference for the Deposited Plan the feature was vested on. | Landonline |
| DESCRIPTION | Parcel description, if provided. | Landonline |
| PARCEL_INTENT* | The parcel intent of the parcel | Landonline |
| LAND_DISTRICT_ID | Land district | Landonline |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

*Look-up table attached at the end of this document

TL_EASEMENT_LINE

This table is similar to TL_EASEMENT_PARCEL but features are represented as lines. Again, these features are typically easements. *Note:* These features are usually only present if the survey was deposited via LINZ e-survey.

| Field | Description | Source |
|-------------------|---|----------------------------|
| PARCEL_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their Landonline data. | Landonline |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | Landonline |
| NAME | Any name information created by statutory action (i.e. Name of the reserve) | Landonline |
| PURPOSE | Purpose of the parcel, given by Statutory Action. | Landonline |
| OTHER_LEGALITY | Other legality information brought forward from DCDB. (i.e. other than gazetting) | Landonline |
| GAZ_TYPE | Gazette type | Landonline |
| GAZ_YEAR | Gazette Reference (year). | Landonline |
| GAZ_PAGE | Gazette Reference (page number). | Landonline |
| VESTING_SURVEY_ID | The SUE reference for the Deposited Plan the feature was vested on. | Landonline |
| DESCRIPTION | Parcel description, if provided. | Landonline |
| PARCEL_INTENT* | The parcel intent of the parcel | Landonline |
| LAND_DISTRICT_ID | Land district | Landonline |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

*Look-up table attached at the end of this document

TL_LEASE_PARCEL

Tl_lease_parcel contains tertiary parcel polygon features as supplied by LINZ. These features predominately have 'leasehold' parcel intents. However, there are other parcel types in this layer, notably easements and covenant areas. This table is similar to tl_easement_parcel but these features can overlap more than one primary parcel,

tl_easement_parcel's cannot. *Note:* These features are usually only present if the survey was deposited via LINZ e-survey.

| Field | Description | Source |
|-------------------|---|-------------------------|
| PARCEL_ID | Static Unique Entity (SUE), the unique ID allocated by LINZ in their <i>Landonline</i> data. | <i>Landonline</i> |
| SUFI | Static Unique Feature Identifier. This will only be populated if the record originated from the DCDB. | <i>Landonline</i> |
| NAME | Any name information created by statutory action (i.e. Name of the reserve) | <i>Landonline</i> |
| PURPOSE | Purpose of the parcel, given by Statutory Action. | <i>Landonline</i> |
| OTHER_LEGALITY | Other legality information brought forward from DCDB. (i.e. other than gazetting) | <i>Landonline</i> |
| GAZ_TYPE | Gazette type | <i>Landonline</i> |
| GAZ_YEAR | Gazette Reference (year). | <i>Landonline</i> |
| GAZ_PAGE | Gazette Reference (page number). | <i>Landonline</i> |
| VESTING_SURVEY_ID | The SUE reference for the Deposited Plan the feature was vested on. | <i>Landonline</i> |
| DESCRIPTION | Parcel description, if provided. | <i>Landonline</i> |
| PARCEL_INTENT* | The parcel intent of the parcel | <i>Landonline</i> |
| LAND_DISTRICT_ID | Land district | <i>Landonline</i> |
| CREATED_DATE | Date record created | Terralink International |
| MODIFIED_DATE | Date record last modified | Terralink International |

*Look-up table attached at the end of this document

CRS RELATE TABLES –

TL_ADDRESS_PARCEL

This table was created by Terralink to replace the dropped address to parcel relationship maintained in the DCDB. This table could be joined (or linked) to TL_PARCEL or TL_ADDRESS. Once the join has been made the Address could be connected to the parcel table. This table is created via a point in poly and as such is not a precise dataset.

| Field name | Field type and length | Description |
|------------|-----------------------|-----------------------------|
| ADDRESS_ID | NUMBER (14,0) | Unique ID allocated by LINZ |
| PARCEL_ID | NUMBER (14,0) | Unique ID allocated by LINZ |

TL_AFFECTED_PARCEL

This table gives the type of the relationship between surveys and titles. It gives a reference between TL_PLAN and TL_PARCEL. This used to be provided in the DCDB parcel table, but is now provided in a separate table. *We have noticed that references to plans in the DCDB parcel table (PARENT AND SUPPLEMENTARY fields) have not been differentiated between in the CRS. Both have the CRS - ACTION type 'CREA'.*

This table could be joined (or linked) to TL_PARCEL or TL_PLAN

| Field name | Field type and length | Description |
|------------|-----------------------|-------------|
|------------|-----------------------|-------------|

| | | |
|-----------|---------------|--|
| PARCEL_ID | NUMBER (14,0) | Unique ID allocated by LINZ |
| SURVEY_ID | NUMBER (14,0) | Unique ID allocated by LINZ |
| ACTION | CHAR (4) | Type of relationship: <i>AFFE – Affects a adjoining parcel</i> <i>REFR – Referenced (ie. Redefinition)</i> <i>CREA – Created a new parcel</i> <i>EXTG – Makes a underlying parcel historical (eg a sub-division)</i> <i>ENCR – Encroached</i> <i>PRPD - Proposed</i> |

TL_STD_PAR_STAT_ACTION

This table contains all the statutory actions on all parcels. The TL_PARCEL and TL_STRATA tables only contain the latest statutory action (there can be many statutory actions on a parcel). This table also gives additional information on the stat actions referenced in TL_PARCEL and TL_STRATA. This table could be joined (or linked) to the TL_PARCEL table.

| Field name | Field type and length | Description |
|-------------------|------------------------------|---|
| PARCEL_ID | NUMBER (14,0) | Unique ID allocated by LINZ |
| SUFI | NUMBER (15,0) | DCDB unique identifier. Only populated if the original record originated from the DCDB |
| FULL_APP | CHAR (250) | Full appellation |
| OTHER_LEGALITY | CHAR (250) | Other legal information brought forward from the DCDB |
| VESTING_SURVEY_ID | NUMBER (14,0) | Used by vestings on deposit to indicate that the survey was deposited |
| GAZ_TYPE | CHAR (4) | Gazette reference – type. |
| GAZ_YEAR | NUMBER (4,0) | Gazette reference – page no. |
| GAZ_PAGE | NUMBER (6,0) | Gazette reference – year. |
| PURPOSE | CHAR (250) | Purpose of the parcel given by the statutory action. |
| NAME | CHAR (250) | Any name information eg. Name of the reserve. |
| LAND_DISTRICT_ID | CHAR (4) | Land district code |
| LATEST_FLAG | CHAR (1) | Flag indicating if this is the latest statutory action for this parcel. Y = the latest, NULL = not the latest |

Parcel Intent look-up table (Taken from Landonline Bulk Data Extract - Data Dictionary v11.0)

| Code | Description | value(s) |
|------|----------------------------------|---|
| ACCN | Accretion | Accretion |
| ACUN | Accessory Unit | Accessory Unit |
| CLSB | Cross lease Subsidiary Building | Cross lease Subsidiary Building |
| CNVA | Covenant Area | Covenant Area |
| CPRO | Common Property | Common Property |
| CRLE | Cross Lease Building | Cross Lease Building |
| CUEN | Customary Entitlement | Customary Entitlement |
| DCDB | DCDB | DCDB |
| DEFN | Definition | Definition |
| EASM | Easement | Easement |
| ERON | Erosion | Erosion |
| FDU | Future Development Unit | Future Development Unit |
| FORR | Forestry Right | Forestry Right |
| FSIM | Fee Simple Title | Fee Simple Title |
| GRAP | Graphical | Graphical |
| HYDR | Hydro | Hydro |
| LCOV | Land Covenant | Land Covenant |
| LEAS | Lease Less than 20 years | Lease Less than 20 years |
| LEGL | Legalisation | Legalisation |
| LETW | Lease 20 years or More | Lease 20 years or More |
| LICN | Licence/Permit | Licence/Permit |
| MAOR | Maori | Maori |
| NOHO | Nohoanga (Campsite) Entitlements | Nohoanga (Campsite) Entitlements |
| PRUN | Principal Unit | Principal Unit |
| RAIL | Railway Leased | Railway Leased |
| RAIS | Railway Strata | Railway Strata |
| RANL | Railway Non Leased | Railway Non Leased |
| RBED | Riverbed | Riverbed |
| RECA | Reclamation Area | Reclamation Area |
| RLWY | Railway | Railway |
| ROAD | Road | Road |
| ROAS | Road Strata | Road Strata |
| ROUA | Right of Use Area | Right of Use Area |
| SBED | Streambed | Streambed |
| STAT | Statutory | Statutory |
| STRA | Strata | Strata |
| TEMP | Temporary | Temporary |
| VDAC | Accessway | Vesting on Deposit for Accessway |
| VDCR | Sec 237A RM Act | Vesting on Deposit in the Crown (Sec 237A RM Act) |
| VDGP | Government Purpose Reserve | Vesting on Deposit for Government Purpose Reserve (Crown) |
| VDHC | Historic Reserve | Vesting on Deposit for Historic Reserve (Crown) |
| VDHT | Historic Reserve | Vesting on Deposit for Historic Reserve (Territorial Authority) |
| VDLA | Sec 237A RM Act | Vesting on Deposit in the Territorial Authority (Sec 237 RM Act) |
| VDLC | In Lieu of a Reserve | Vesting on Deposit in Lieu of a Reserve (Crown) |
| VDLP | Local Purpose Reserve () | Vesting on Deposit for Local Purpose Reserve |
| VDLT | In Lieu of a Reserve | Vesting on Deposit in Lieu of a Reserve (Territorial Authority) |
| VDNC | Nature Reserve | Vesting on Deposit for Nature Reserve (Crown) |
| VDNT | Nature Reserve | Vesting on Deposit for Nature Reserve (Territorial Authority) |
| VDRC | Recreation Reserve | Vesting on Deposit for Recreation Reserve (Crown) |
| VDRD | Road | Vesting on Deposit for Road |
| VDRL | Recreation Reserve | Vesting on Deposit for Recreation Reserve (Territorial Authority) |
| VDSC | Scenic Reserve | Vesting on Deposit for Scenic Reserve (Crown) |
| VDSH | State Highway | Vesting on Deposit for State Highway |
| VDSL | Service Lane | Vesting on Deposit for Service Lane (Territorial Authority) |
| VDST | Scenic Reserve | Vesting on Deposit for Scenic Reserve (Territorial Authority) |
| VSRC | Scientific Reserve | Vesting on Deposit for Scientific Reserve (Crown) |
| VSRT | Scientific Reserve | Vesting on Deposit for Scientific Reserve (Territorial Authority) |
| WLKY | Walkway Centreline | Walkway Centreline |