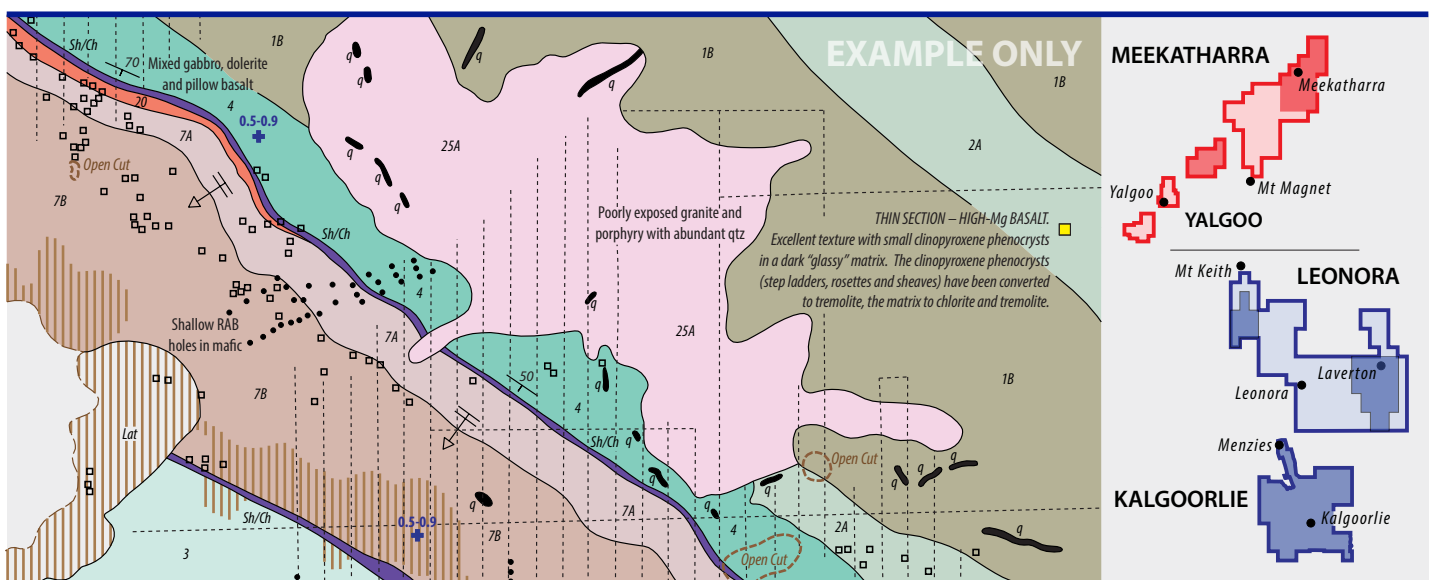

J. A. HALLBERG

1:25,000 GEOLOGICAL MAPPING - GIS DATASETS

Jack Hallberg mapped over 300 standard 1:25,000 sheet areas covering the gold and nickel rich greenstone belts in Yilgarn Craton between 1976 and 2006. Jack's maps were renowned for their intricate detail, recording historic workings, drill holes and grid lines as well as his incisive and meticulous mapping methodology. The mapping included a wide range of petrographic descriptions and geochemical analyses in addition to magnetic susceptibility measurements. It followed his PhD research on the mafic-ultramafic complexes south of Kalgoorlie, which coincided with the late 1960s 'nickel-boom', and his CSIRO research which covered all forms of igneous rocks, Yilgarn-wide. Jack has published over 50 scientific papers and his contributions to geology and exploration (he has been directly involved in several gold discoveries) are widely acknowledged.

Jack's 'paper' maps are now being compiled into seamless GIS data sets by Bill Hitch (Datamapping) who has been involved in geoscientific cartography since the late 1970s and was a leader in the field of geological GIS development in the early 1990s. Bill's background in cartography, exploration surveying and prospecting blends well with the wealth of information in the Hallberg Mapping.



The program of converting the mapping is on-going with all of the Kalgoorlie project complete along with the northern part of the Meekatharra project. The GIS datasets are compiled from scans of the original 1:25,000 scale mapping (reprojected to GDA94), reports and supporting data. The maps are digitized on-screen at scales of 1:1,500 – 1:6,000 to honour the accuracy of the original mapping, and then data is combined in Mapinfo as seamless overage over each project area. The final product can be supplied in Mapinfo format or exported to other industry-standard GIS programs.

The GIS is offered for sale as complete project datasets with reports or as client-defined (rectangular NS-EW areas), all at a fraction of the production cost.

Contacts

for geological information

Jack Hallberg email - msg4jh@hotmail.com ph - (08) 9842 2263

for GIS information and ordering

Bill Hitch email - datamapping@westnet.com.au ph - 0400247515

Details of each project area and the GIS information content are shown below

KALGOORLIE

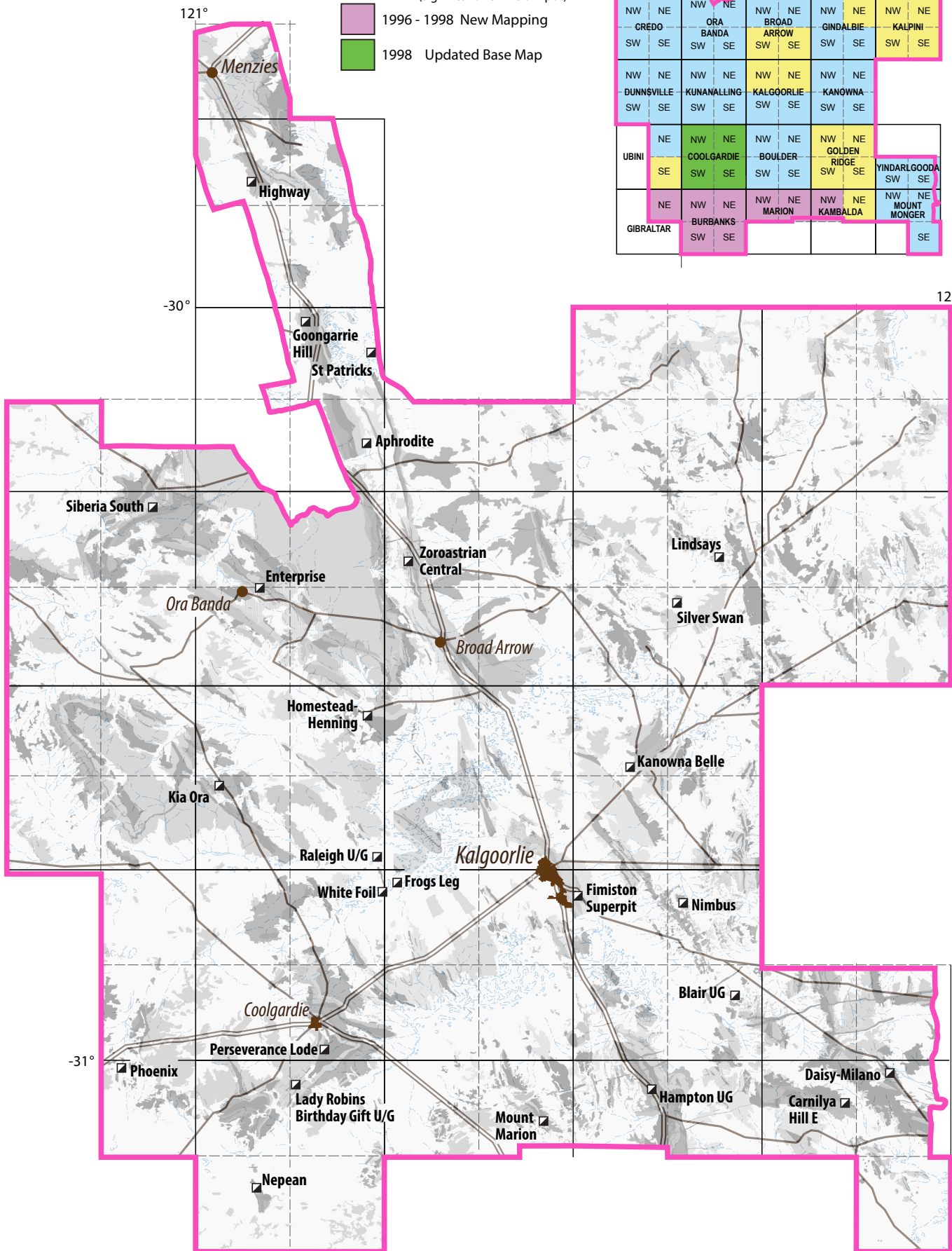
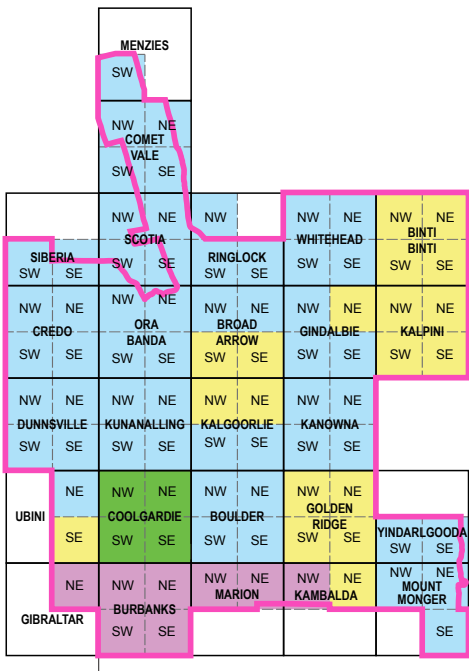
Hallberg GIS Dataset

Map Coverage

 Limit of Mapping

1:25,000 HALLBERG MAPPING

-  1985 - 1990 Original Mapping
 1993 - 1998 Revised Mapping
 (significant new field input)
 1996 - 1998 New Mapping
 1998 Updated Base Map



KALGOORLIE

Hallberg GIS Dataset

Table Structure

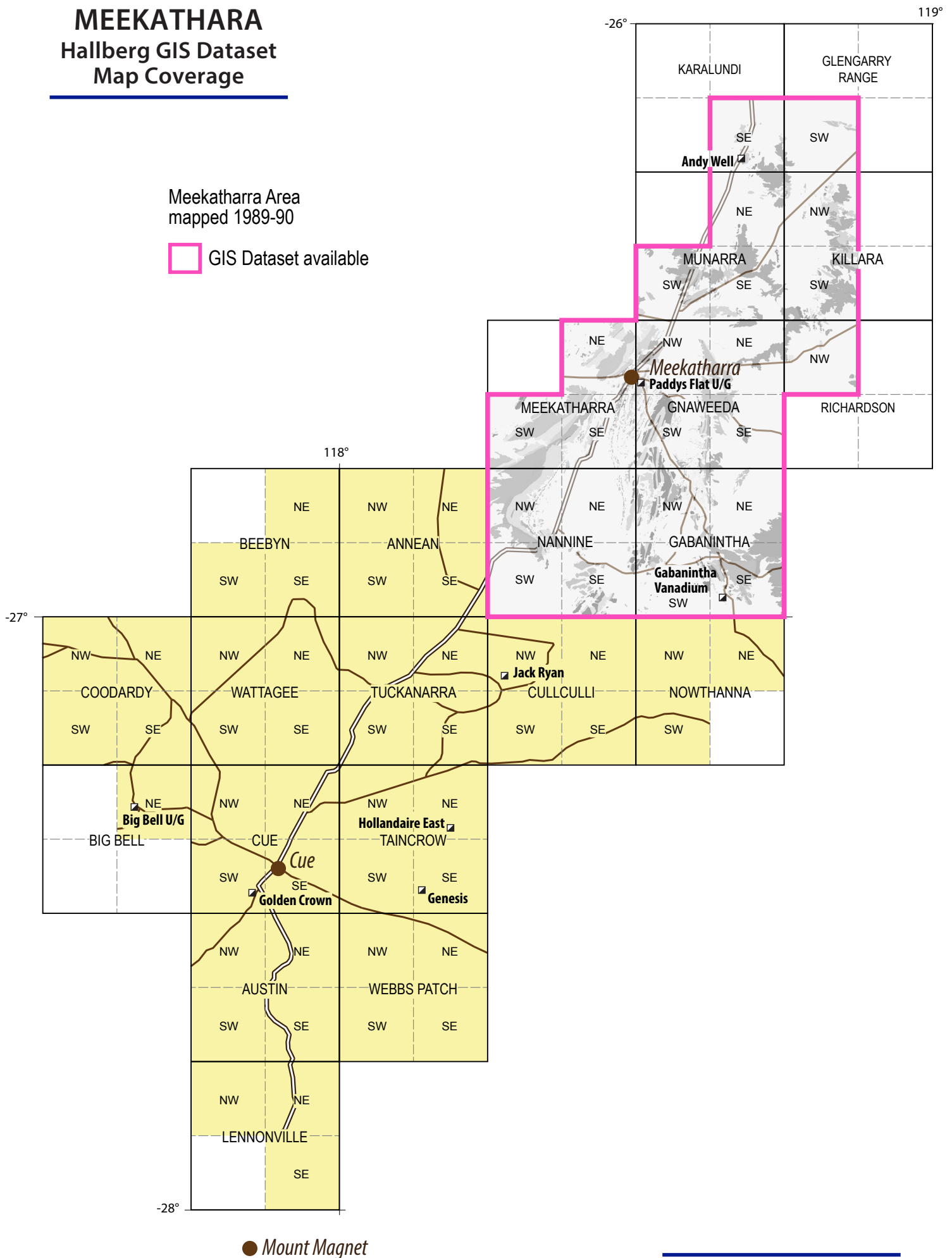
Table Name	Data Type	Data
GeoAreas_Kalg_HbgGIS	Regions	Geology
OverlayGeol_Kalg_HbgGis	Regions and Vector based symbols	Overlay Geology
GeoLinears_Kalg_HbgGIS	Lines and Vector based symbols	Linears - Faults, Outcrop boundaries, Geological Contacts, Folds, Trends
StructSymb_Vect_Kalg_HbgGIS	Vector based symbols	Structural Data - Bedding, Cleavage, Facing, Gneiss banding, Lineation, Minor fold with axis
StructSymb_PointData_Kalg_HbgGIS	Point	Structural Data - Bedding, Cleavage, Facing, Gneiss banding, Lineation, Minor fold with axis
SupportiveData_Kalg_HbgGIS (2188 samples)	Point	Supporting Data - Petrographic Description, Petrochemical Data
MagSusc_Kalg_HbgGIS	Point	Magnetic Susceptibility
Drillholes_Kalg_HbgGIS	Point	Drillholes (Located visually during mapping and from maps)
GridsCosteans_Kalg_HbgGIS	Lines	Grids and Costeans
MineShaftsWkingsPits_Kalg_HbgGIS	Regions and Vector based symbols	Mine Shafts, workings and pits
MineSurfaceInfra_Kalg_HbgGIS	Regions	Open cuts, alluvial workings, scrapings, dumps, tailings
Kal_BrdArrow_LodesDeposit_Kalg_HbgGIS	Regions	Major Lodes/deposit, Kalgoorlie and Broad Arrow
MapNotes_Kalg_HbgGIS	Vector base symbols	Notes/annotations from 1:25,000 Hallberg map series

MEEKATHARRA

Hallberg GIS Dataset Map Coverage

Meekatharra Area
mapped 1989-90

 GIS Dataset available



MEEKATHARRA

Hallberg GIS Dataset

Table Structure

Table Name	Data Type	Data
GeoAreas_Meeka_HbgGIS	Regions	Geology
OverlayGeol_Meeka_HbgGis	Regions and Vector based symbols	Overlay Geology
GeoLinears_Meeka_HbgGIS	Lines and Vector based symbols	Linears - Faults, Outcrop boundaries, Geological Contacts, Folds, Trends
StructSymb_Vect_Meeka_HbgGIS	Vector based symbols	Structural Data - Bedding, Cleavage, Facing, Gneiss banding, Lineation, Minor fold with axis
StructSymb_PointData_Meeka_HbgGIS	Point	Structural Data - Bedding, Cleavage, Facing, Gneiss banding, Lineation, Minor fold with axis
SupportiveData_Meeka_HbgGIS (2188 samples)	Point	Supporting Data - Petrographic Description, Petrochemical Data
MagSusc_Meeka_HbgGIS	Point	Magnetic Susceptibility
Drillholes_Meeka_HbgGIS	Point	Drillholes (Located visually during mapping and from maps)
GridsCosteans_Meeka_HbgGIS	Lines	Grids and Costeans
MineShaftsWkingsPits_Meeka_HbgGIS	Regions and Vector based symbols	Mine Shafts, workings and pits
MineSurfaceInfra_Meeka_HbgGIS	Regions	Open cuts, alluvial workings, scrapings, dumps, tailings
MapNotes_Meeka_HbgGIS	Vector base symbols	Notes/annotations from 1:25,000 Hallberg map series

NORTH EASTERN GOLDFIELDS

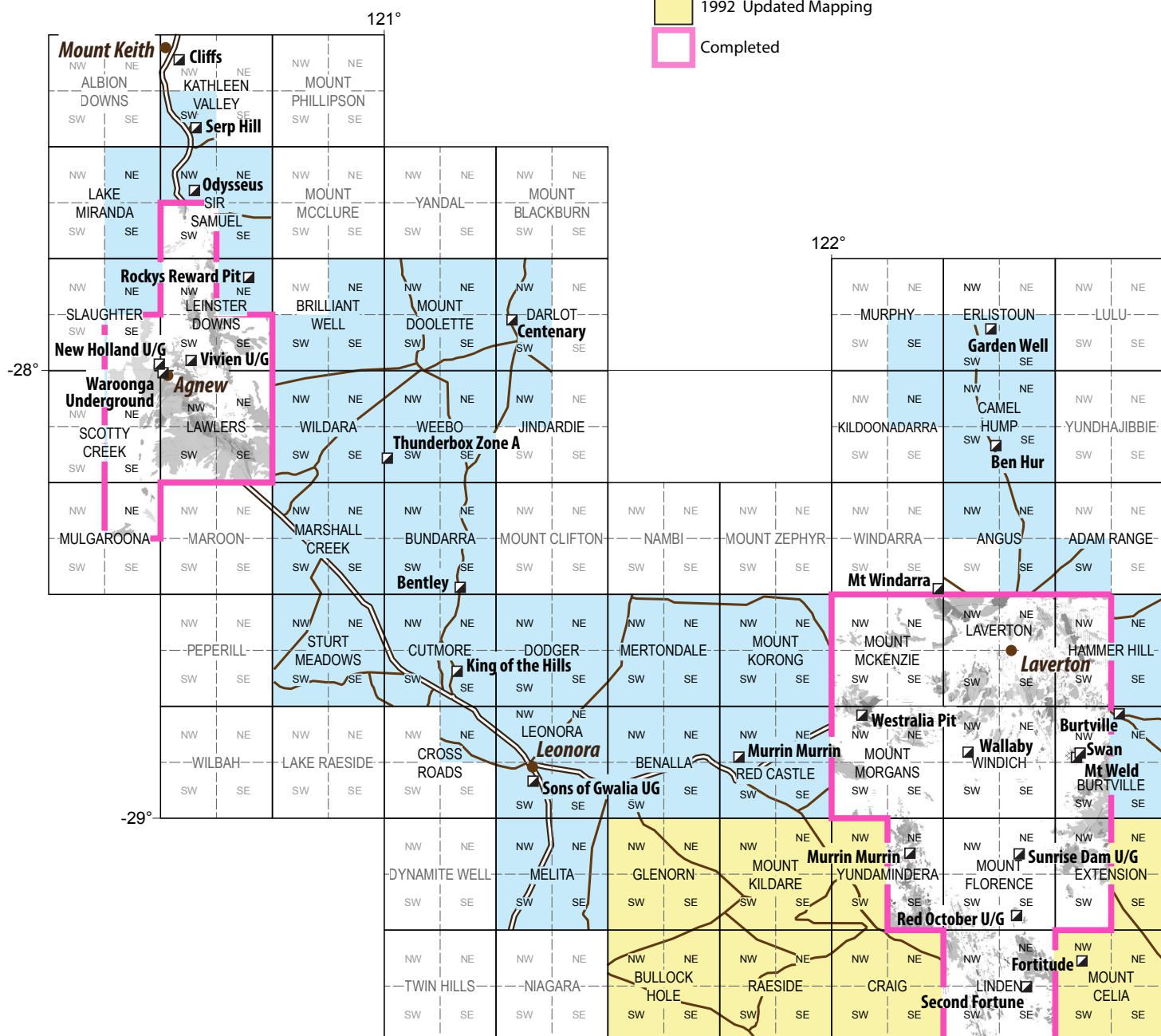
Hallberg GIS Dataset
Map Coverage

1:25,000 HALLBERG MAPPING

1988 Original Mapping

1992 Updated Mapping

Completed



Hallberg GIS Dataset Map Coverage

