



# LOS RULOS JV: NEW HIGH-GRADE COPPER RESULTS FROM “EL CHE” SECTOR

*New trend provides additional exciting exploration opportunity*

## Highlights

- ❖ More strong results from recent surface sampling program within the **El Che sector** of the **Los Rulos Project** (central Chile), including:
  - 5.0m channel sample @ 4.88% Cu and 2.77 g/t Au
  - 5.0m channel sample @ 2.69% Cu and 0.11 g/t Au
  - 5.0m channel sample @ 2.61% Cu and 0.13 g/t Au
  - 5.0m channel sample @ 2.19% Cu and 0.33 g/t Au
  - 2.0m channel sample @ 2.26% Cu and 0.19 g/t Au
- ❖ Results from 51 samples justify further exploration in this new area, with Los Rulos drilling planned to commence this Quarter.

Southern Hemisphere Mining Limited (ASX: **SUH**) (“Southern Hemisphere” or the “Company”) is pleased to announce further significant high-grade copper results from its emerging **Los Rulos Project** in central Chile.

The latest results, from initial surface sampling at the El Che sector, include channel samples **grading up to 4.88% Cu and 2.77g/t Au** over significant widths.

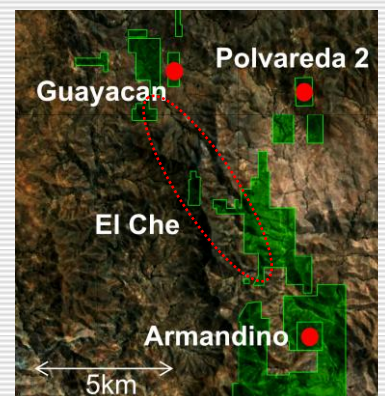
The Los Rulos Project is owned by the recently established 50/50 Joint Venture between Southern Hemisphere and Lundin Mining Corporation (TSX: LUN) (“Lundin Mining”). Drilling is planned to commence within the Los Rulos Joint Venture area this Quarter. Full results of the channel samples are appended to this News Release.

Southern Hemisphere’s Managing Director, Mr Trevor Tennant, said the results further reinforced the prospectivity of the Los Rulos area and pointed to a significant emerging opportunity in the El Che sector. He continued:

***“The El Che sector lies between Armandino and Guayacan, where our initial work has established favourably altered rock hosting elevated copper values over a 5km strike length. The total Los Rulos area covers approximately 2,200 hectares of exploration concessions and contains abundant outcrops of mineralisation consistent with an IOCG classification, providing numerous walk-up drill targets.”***

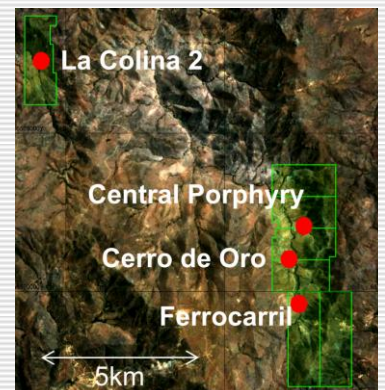
## Los Rulos Joint Venture Copper-Gold Project, Chile

- Armandino (Los Rulos JV)
- Polvareda 2 (Los Rulos JV)
- Guayacan (Los Rulos JV)
- **El Che (Los Rulos JV)**



## Llahuin Joint Venture Copper-Gold Project Chile

- Central Porphyry (Llahuin JV)
- Cerro de Oro (Llahuin JV)
- Ferrocarril (Llahuin JV)
- La Colina 2 (Llahuin JV)



### ASX: SUH

www.shmining.com.au  
ABN: 17 140 494 784

### AUSTRALIAN OFFICE

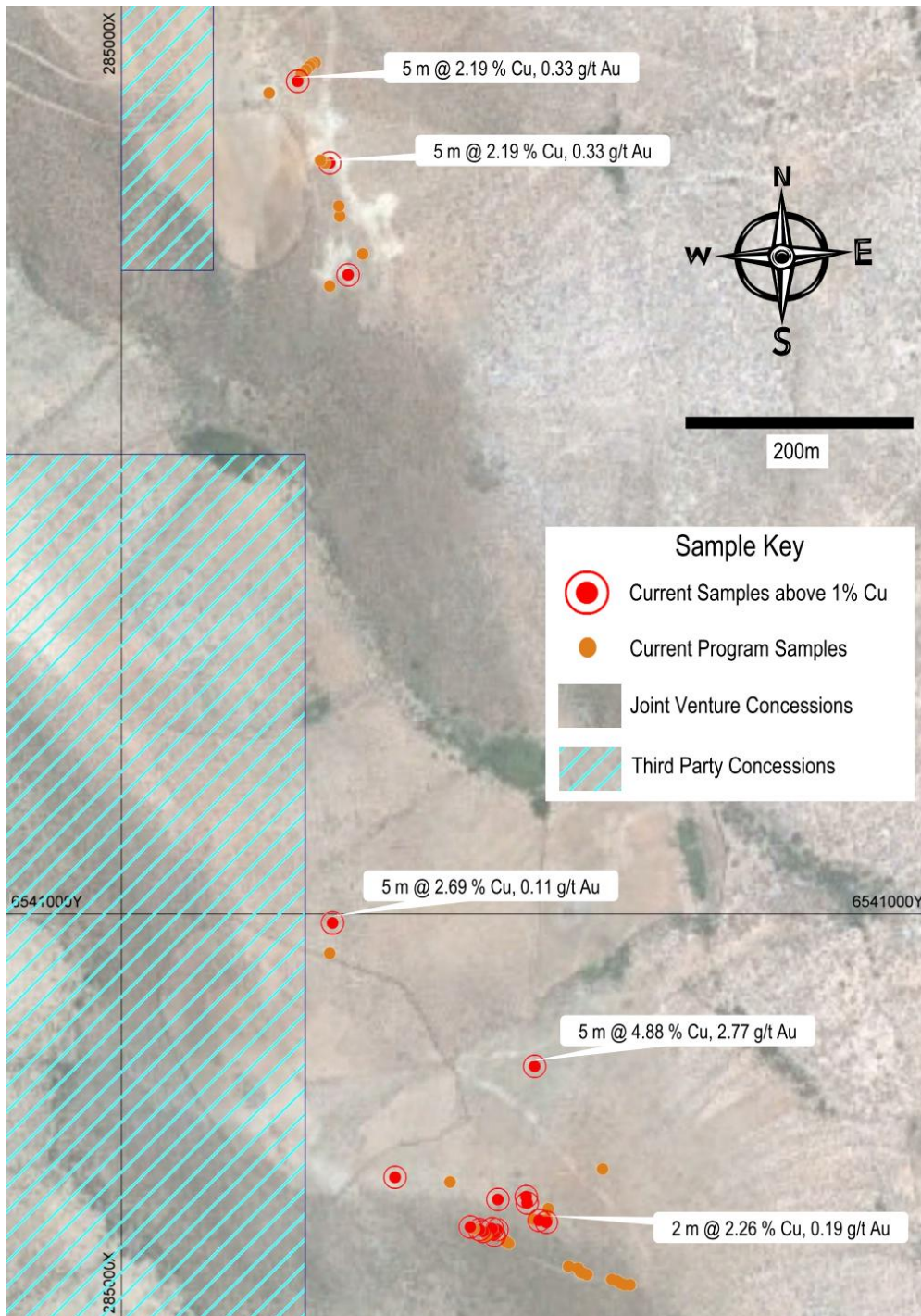
Suite 7, 1200 Hay Street  
West Perth WA 6005  
TEL: +61 8 9481 2122

### CHILEAN OFFICE

Minera Hemisferio Sur SCM  
Office 41, Zurich 255  
Las Condes, Santiago  
TEL: +56 2 474 5071

El Che is situated in the centre of the Los Rulos Project area, approximately 24km west of the established mining town of Combarbala at 900m elevation. It lies to the west side of a central plutonic body within a north-northwest trending garnet rich alteration zone, in steeply dipping volcano-sedimentary units.

**Figure 1: Location of recent surface sampling for the El Che trend with highlights noted (Refer to Appendix 2 for full sample results)**



El Che consists of discontinuous zones exposed on east-west ridges that collectively extend north-south for approximately 5km. An IP survey has been completed and, together with further sampling, may establish specific drill targets within the broad El Che alteration zone.

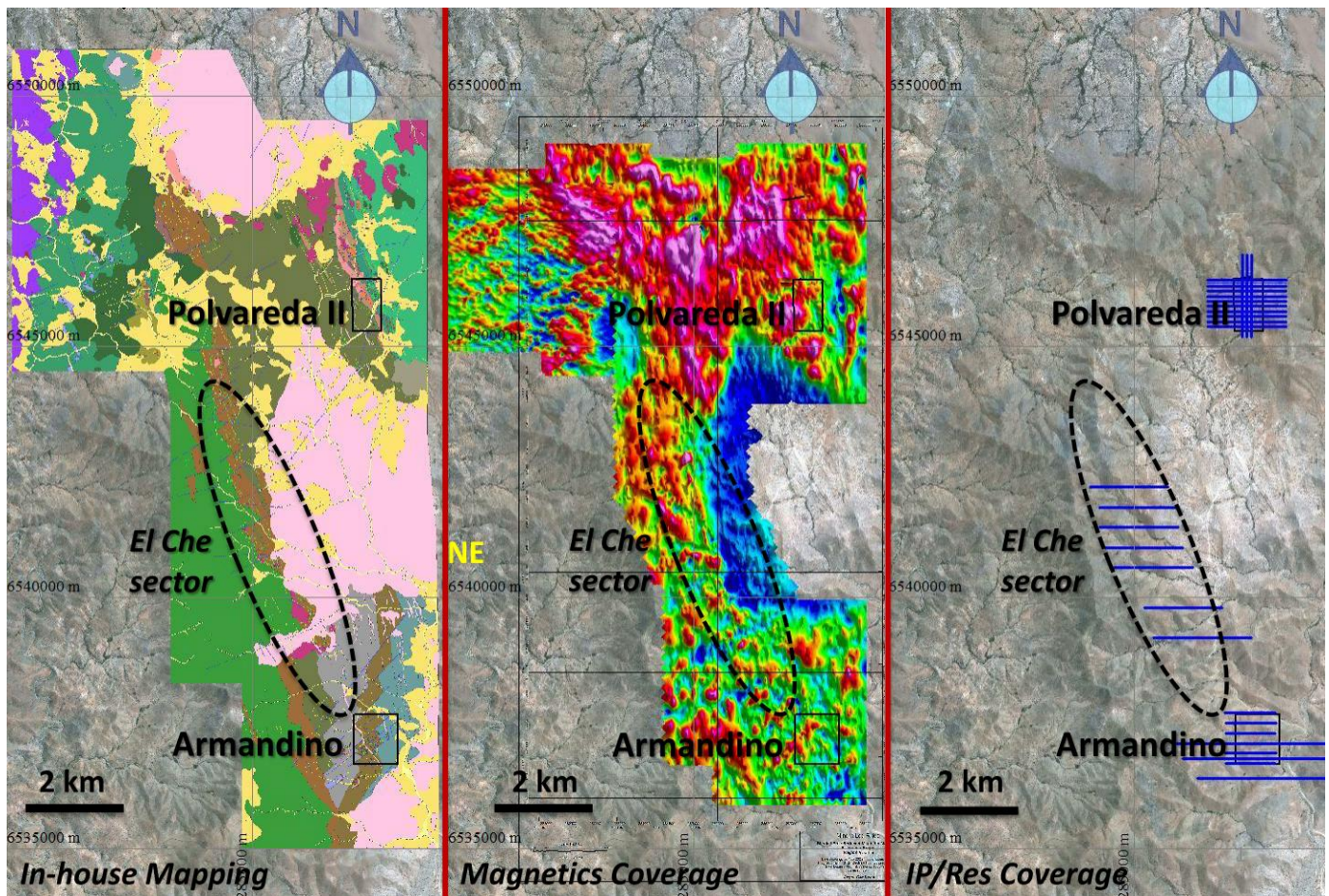


## Los Rulos Joint Venture

El Che is a sector within the Los Rulos project area, which also includes Armandiño, Polvareda 2 and Guayacan. To date, significant exploration works have been completed on the Joint Venture concessions, including regional mapping, magnetics, IP surveys and detailed channel and rock chip sampling.

Los Rulos is an exciting regional play and these exploration works have defined several areas of widespread alteration and mineralisation capable of hosting bulk mineable mineralisation.

**Figure 2: Los Rulos Project: Geological Mapping, Magnetics Surveys and Induced Polarisation Surveys**



With respect to El Che, mineralisation occurs in a garnetiferous hornfels contact zone on the margin of a granitoid intrusive to the east. This extends to the north-northwest of the Armandino Prospect. Mapping is assisted by a strong magnetic signature with mineralisation and prospective geological units providing a good response to IP/Resistivity surveys to date.

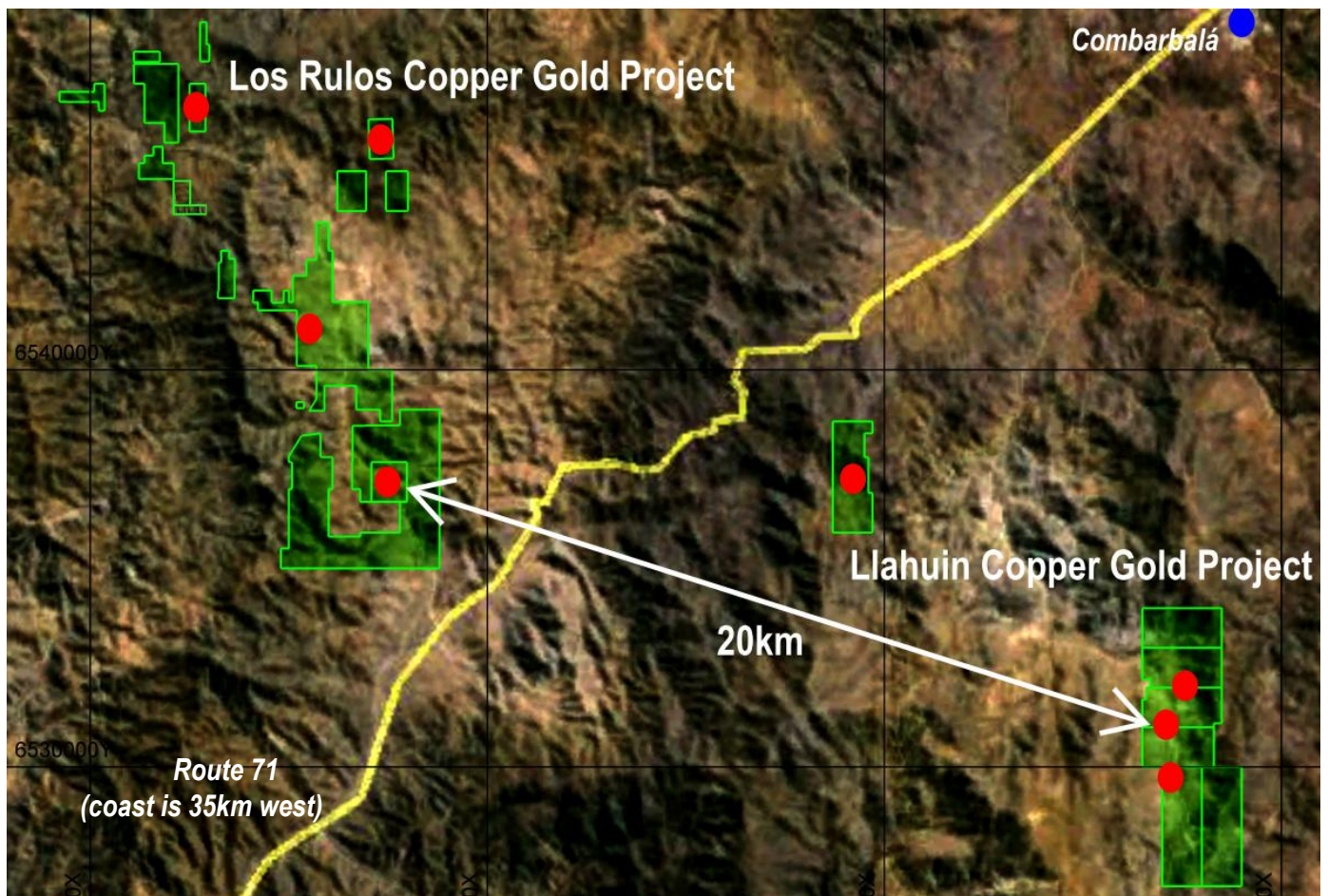
## Coquimbo region of Central Chile

The Los Rulos and Llahuin Projects are both located in the Coquimbo region of Central Chile on the lower Coastal Cordillera, which provides logistical advantages over the higher Andean projects. Los Rulos and Llahuin are respectively 35 km and 56 km from the coast and the Pan American Highway.

Southern Hemisphere, along with its joint venture partner Lundin Mining, have sought to build a dominant land holding position in the Coquimbo region and currently have rights or option agreements over approximately 14 sq km at Llahuin and 22 sq km at Los Rulos.



**Figure 3: The Big Picture – Significant concession holding within the Coquimbo region, Chile**



---ENDS---

#### **Competent/Qualified Person Statement**

The information in this report that relates to copper and gold Exploration Results for the Armandino Prospect is based on information compiled by Mr Trevor Tennant, who is a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Tennant has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" and a Qualified Person under NI43-101 Standards of Disclosure. Mr Tennant is a full time employee and Managing Director of the Company and consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. For further information, please refer to the Technical Reports and News Releases on the Company's website at [www.shmining.com.au](http://www.shmining.com.au).

#### **For further information please contact:**

Trevor Tennant – Managing Director, Southern Hemisphere Mining +56 (2) 474 5071  
Media Enquiries – Nicholas Read (Read Corporate) +61 (8) 9388 1474



## Appendix 1 - JORC Compliance Table 1

### Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections)

Criteria	Explanation
<i>Sampling techniques</i>	Chip sampling and channel sampling of rock outcrops and workings. Sample sizes approximately 10-15 Kg.
<i>Drilling techniques</i>	Sampling: no drilling performed, therefore not applicable.
<i>Drill sample recovery</i>	Sampling: no drilling performed, therefore not applicable.
<i>Logging</i>	Macroscopic description.
<i>Sub-sampling techniques and sample preparation</i>	Whole samples transported to Andes Analytical Assay Ltda (Chile) for crushing and splitting.
<i>Quality of assay data and laboratory tests</i>	Au fire assay, Cu atomic adsorption, ICP 39 elements undertaken by Andes Analytical Assay Ltda (Chile) an ISO 9001:2008 certified laboratory.
<i>Verification of sampling and assaying</i>	Results reviewed by senior geologist.
<i>Location of data points</i>	Sample points were located using GPS methods and the PASAD 56 datum.
<i>Data spacing and distribution</i>	Data was obtained from available lineages of mineralisation.
<i>Orientation of data in relation to geological structure</i>	No sampling bias is believed to have been introduced.
<i>Sample security</i>	No extraordinary measures were taken to secure samples.
<i>Audits or reviews</i>	None performed to date.

### Section 2 Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section)

Criteria	Explanation
<i>Mineral tenement and land tenure status</i>	These exploration licenses were successfully staked by the 50/50 Southern Hemisphere/Lundin Mining joint venture company ("Minera Los Rulos"). They are subject to compliance with the standard Chilean mineral property concession renewals process.
<i>Exploration done by other parties</i>	The area has been and continues to be the subject of small scale mining. However, no previous exploration data is available.
<i>Geology</i>	The mineralisation is copper and gold disseminated in metamorphosed volcano-sedimentary rocks, on the margins of a granitic intrusive.
<i>Drill hole Information</i>	Sampling: no drilling performed, therefore not applicable.
<i>Data aggregation methods</i>	Where data has been aggregated adjacent sample grades have been simply averaged over the length of the aggregated samples.
<i>Relationship between mineralisation widths and intercept lengths</i>	Sampling: no drilling performed, therefore not applicable.
<i>Diagrams</i>	Refer to Figure 1 of the announcement.
<i>Balanced reporting</i>	Sampling: no drilling performed, all sampling results received were reported.
<i>Other substantive exploration data</i>	No other substantive exploration data performed.
<i>Further work</i>	Drilling program is planned.



## Appendix 2 – El Che sector Sampling Results

	Sample ID	Sample Type	X	Y	Sampled feature	Cu T (%)	Au (g/t)
1	69981	5m Wall chip channel	285554	6540596	Ground minework	0.40	0.19
2	69982	5m Wall chip channel	285548	6540596	Ground minework	0.89	0.36
3	69983	5m Wall chip channel	285543	6540598	Ground minework	0.40	0.28
4	69984	5m Wall chip channel	285540	6540600	Ground minework	0.88	0.33
5	69985	5m Wall chip channel	285534	6540602	Ground minework	0.94	0.27
6	69986	5m Wall chip channel	285507	6540607	Ground minework	0.76	0.46
7	69987	5m Wall chip channel	285502	6540609	Ground minework	0.67	0.19
8	69988	5m Wall chip channel	285500	6540610	Ground minework	0.62	0.12
9	69989	5m Wall chip channel	285497	6540614	Ground minework	0.44	0.11
10	69990	5m Wall chip channel	285487	6540616	Ground minework	0.01	0.01
11	69991	5m Wall chip channel	285398	6540649	Ground minework	0.31	0.39
12	69992	5m Wall chip channel	285394	6540654	Ground minework	1.02	0.39
13	69993	5m Wall chip channel	285390	6540656	Ground minework	1.39	0.24
14	69994	5m Wall chip channel	285384	6540657	Ground minework	0.96	0.09
15	69995	5m Wall chip channel	285380	6540659	Ground minework	1.23	0.11
16	69996	5m Wall chip channel	285406	6540650	Ground minework	1.02	0.17
17	69997	5m Wall chip channel	285409	6540656	Ground minework	1.11	0.14
18	69998	5m Wall chip channel	285404	6540657	Ground minework	1.53	0.18
19	69999	5m Wall chip channel	285422	6540641	Ground minework	0.03	0.01
20	70000	5m Wall chip channel	285419	6540643	Ground minework	0.02	0.03
21	70051	5m Wall chip channel	285247	6541695	Ground minework	1.61	0.33
22	70052	5m Wall chip channel	285227	6541683	Ground minework	0.92	0.27
23	70053	5m Wall chip channel	285263	6541718	Ground minework	0.08	0.03
24	70054	5m Wall chip channel	285238	6541759	Ground minework	0.37	0.09
25	70055	5m Wall chip channel	285237	6541770	Ground minework	0.67	0.05
26	70056	5m Wall chip channel	285227	6541817	Ground minework	2.61	0.13
27	70057	5m Wall chip channel	285222	6541817	Ground minework	0.16	0.01
28	70058	5m Wall chip channel	285217	6541820	Ground minework	0.01	0.01
29	70059	5m Wall chip channel	285211	6541926	Ground minework	0.30	0.03
30	70060	5m Wall chip channel	285207	6541924	Ground minework	0.04	0.02
31	70061	5m Wall chip channel	285205	6541922	Ground minework	0.48	0.38
32	70062	5m Wall chip channel	285201	6541918	Ground minework	0.03	0.02
33	70063	5m Wall chip channel	285196	6541914	Ground minework	0.30	0.12
34	70064	5m Wall chip channel	285192	6541906	Ground minework	2.19	0.33
35	70065	5m Wall chip channel	285161	6541893	Ground minework	0.09	0.01
36	70150	5m Wall chip channel	285230	6540990	Ground minework	2.69	0.11
37	70200	5m Wall chip channel	287439	6537759	Ground minework	0.02	0.01
38	70201	5m Chip Chanel	285227	6540957	Outcrop	0.03	0.02
39	70207	5m Wall chip channel	285298	6540713	Ground minework	1.68	0.29
40	70208	5m Wall chip channel	285358	6540708	Ground minework	0.87	0.16
41	70209	5m Wall chip channel	285410	6540689	Ground minework	1.14	0.20
42	70210	5m Wall chip channel	285441	6540692	Ground minework	1.23	0.06
43	70211	5m Wall chip channel	285442	6540685	Ground minework	1.28	0.19
44	70212	5m Wall chip channel	285449	6540667	Ground minework	0.83	0.15
45	70213	5m Wall chip channel	285455	6540666	Ground minework	1.41	0.15
46	70214	5m Wall chip channel	285460	6540666	Ground minework	0.95	0.10
47	70215	2m Wall chip channel	285463	6540664	Ground minework	2.26	0.19
48	70216	1.5m Wall chip channel	285464	6540667	Ground minework	0.79	0.09
49	70217	5m Wall chip channel	285465	6540679	Ground minework	0.97	0.13
50	70218	5m Wall chip channel	285524	6540722	Ground minework	0.99	0.21
51	70219	5m Wall chip channel	285450	6540834	Ground minework	4.88	2.77

