

QUEEN VICTORIA MUSEUM AND ART GALLERY

CHS 36

ABERFOYLE TIN NL (NO LIABILITIES) COLLECTION

Mines and Mining, North-Eastern Tasmania

INTRODUCTION

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INTRODUCTION

Aberfoyle Tin NL (No Liabilities), registered as a company in 1926, started its mining operations the same year. The Aberfoyle Tin Mine was situated at Rossarden in north-eastern Tasmania. Production began in 1931. By 1960 Aberfoyle was the state's largest producer of tin, and also an important producer of wolfram. From the mid 1960s to 1970 the ore-body of the Lutwyche deposit to the north east of the Aberfoyle mine was developed. Further development and mining of the deposit was undertaken on a smaller scale in the 1970s. The retreatment of jig tailings and mill slimes was investigated and developed by the company. It was hoped that they would become a major source of income. However, the process was not economically feasible on a large scale. Aberfoyle encountered other difficulties in the 1970s, lower tin prices and increased inflation reducing the profitability of the mine. The quota system introduced by the International Tin Council in an attempt to stabilise tin prices also caused problems for the company.

In 1981 Aberfoyle sold the mine to Rossarden Mines Limited, a joint venture between Forrestwood Australia Limited and Gold Copper Exploration Limited. They attempted to modernise the mine, but this operation was not financially feasible and the mine operated for only ten months under their ownership. It was purchased in November 1982 by Wheal Lutwyche Pty Limited, a company formed by H J Stacpoole to investigate the potential of the Aberfoyle mine as an open cut and to evaluate the further retreatment of the mill slimes and jig tailings on a small scale at the Aberfoyle Tin Mine. However the mine was never reopened under his ownership as he was unable to obtain a tin quota.

The Storeys Creek Tin Mine was purchased by Aberfoyle in the late 1950s. Mining had commenced at Storeys Creek in 1891, and was carried out episodically from then until the mine closed in 1978. This mine was the state's largest producer of wolfram and also an important producer of tin. Its closure was due to the low world tin price and the high cost of extracting the metal at the time.

The Aberfoyle and Storeys Creek mines were the major employers at Rossarden and Storeys Creek. Following the closure of the Storeys Creek mine, the population of that town dwindled. In contrast, many residents chose to remain at Rossarden after the closure of the Aberfoyle mine.

Environmental concerns emerged during the 1970s. These were largely due to the impact of decades of mining and the poor methods of tailings disposal employed by Aberfoyle. There were concerns that heavy metals were contaminating Rossarden, Storeys Creek and pasture land as far from the area as Evandale.

The Aberfoyle Company began in Rossarden but expanded its operations to other mines, including the Cleveland mine at Luina in north-western Tasmania and the Ardlethan Mine at Ardlethan in New South Wales. Aberfoyle Ltd continued to operate, although in July 1998 it conceded to a takeover bid from Western Metals Limited.

Many of the Aberfoyle company records were destroyed by Rossarden Mines Limited after the closure of the mine. Of those that remain, most were retrieved by H J Stacpoole who as a third generation miner had a particular interest in them.

The collection was donated to the Queen Victoria Museum and Art Gallery in 1994.

A. Registered Files

The registered files largely contain correspondence, memoranda, and trade brochures from companies selling mining and milling equipment. The file numbers were allocated by the company. Files whose number begins with a 'one' largely contain records related to mining. Those whose file number begins with a 'two' largely contain milling records. Those whose file number begins with a 'three' largely contain records relating to geology. No files have survived from the series of files whose number begins with either a 'four' or a 'five'. Only one file (item 6.5.7) has survived from those classified 'Miscellaneous Administration' whose number begins with 'six'. Items 6.5.8, 6.5.9 and 6.5.10 were not part of the original filing system when it was in active use, but have been assigned these numbers as this is the part of the collection to which they most closely relate.

1.1.4	Aberfoyle Tin NL, Planning and Estimates - Mining - Aberfoyle Mining and Treatment Operation , A Review	1963-1980
1.2.4	Development, Raise Boring	1977-1979
1.5.2	Investigations, Mining, Investigation of Underground Fines	1961
1.5.3	Investigations, Mining, Investigation of Aberfoyle No 1 Fault	1961-1962
1.5.4	Investigations, Mining, Mine Residue	1964
1.8.	Mining, Part 1, Mines Department, General Correspondence with Department	1970-1977
1.8.1	Mines Department, Part 2, General Correspondence (mainly 1977-1981)	1972-1981
1.8.1	Rossarden Mines Ltd, Mines Department, Part 3, General Correspondence	1981-1982
1.10.1	Aberfoyle Tin NL, Mining, Visits Underground	1977-1981
1.11.1	Aberfoyle Ltd (Mining Division), Lutwyche, Part 1 Mining	1966-1976
1.11.1	Aberfoyle Ltd (Mining Division), Lutwyche, Part 2 Mining	1977-1981
1.11.1	Rossarden Mines Ltd, Lutwyche Shaft Part 3	1981
1.11.2	Aberfoyle Ltd (Mining Division), Lutwyche, Part 1 Shaft Sinking	1968-1980
1.11.2	Aberfoyle Tin NL, Emergency Winder Part 2	1980

1.11.4	Rossarden Mines Ltd, Lutwyche Winder, Part 1	1981-1982
1.11.4	Rossarden Mines Ltd, Lutwyche Winder Part 2	1981-1982
1.11.4	Aberfoyle Ltd (Mining Division), Part 3 Lutwyche Winder, drawings	1981
1.12.1	Aberfoyle Ltd (Mining Division), Lutwyche, Milling	1981
1.13.1	Aberfoyle Tin NL, Exploration, Geology, Examination of Lutwyche Deposit and Feasibility Study	1979-1980
1.13.2	Aberfoyle Tin NL, Exploration, Geology, Lutwyche, Kookaburra Diamond Drill Logs	1952-1962
1.13.3	Aberfoyle Ltd (Mining Division), Lutwyche, Geology, Underground, Rossarden Area	1969-1981
1.13.4	Aberfoyle Ltd (Mining Division), Lutwyche Exploration Project, Samples for Assay (mainly 1968-1969)	1968-1979
1.13.5	Aberfoyle Ltd, Lutwyche, Diamond Drill Part 1 Hole Proposals	1967-1980
1.13.5	Aberfoyle Ltd, Lutwyche, Diamond Drill, Part 2 Core Record Sheets	1979-1981
1.14.1	Aberfoyle Ltd (Mining Division), Lutwyche, Engineering	1968-1980
1.16.1	Aberfoyle Ltd (Mining Division), Lutwyche, Administration	1968-1980
1.18.1	Aberfoyle Ltd (Mining Division), Lutwyche, Financial	1966-1979
1.19.1	Aberfoyle Ltd (Mining Division), Lutwyche, Memos from Manager, Policy Directives	1968-1978
2.1.1	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Jaw Crushers	1961-1977
2.1.2	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Feeders	1961-1976
2.1.3	Aberfoyle Ltd (Mining Division), Milling,	1969-1981

Conveyors

2.1.4	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Magnets	1964-1969
2.1.5	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Ore Bins	1961-1979
2.2.1	Aberfoyle Ltd (Mining Division), Milling, Cone and Gyratory Crushers	1970-1980
2.2.2	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Ball Mills (includes Dressing Shed)	1961-1977
2.2.3	Aberfoyle Ltd (Mining Division), Milling, Rod Mills (includes Dressing Shed)	1969-1981
2.2.4	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Rolls (includes Dressing Shed)	1961-1975
2.2.5	Aberfoyle Ltd (Mining Division), Milling, Symons Crusher reports	1968-1969
2.3.1	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Elevators	1961-1974
2.3.2	Aberfoyle Ltd (Mining Division), Milling, Screens and Screen Cloths	1970-1980
2.4.2	Aberfoyle Ltd (Mining Division), Milling, Jigs (includes Screens)	1969-1978
2.5.1	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Classifiers	1961-1978
2.5.2	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Flotation Cells	1960-1982
2.5.3	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Reagent Feeders	1961-1970
2.5.4	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Conditioners Agitators)	1961-1978
2.5.5	Aberfoyle Ltd (Mining Division), Milling, Reagents	1969-1982
2.5.6	Aberfoyle Tin NL and Storeys Creek Tin	1968-1975

	Mining Co NL, Milling, Grinding Balls and Rods	
2.5.7	Aberfoyle Tin NL, Classifiers and Flotation, Cassiterite Flotation Project	1977-1980
2.6.1	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Sizers	1962-1981
2.6.2	Aberfoyle Ltd (Mining Division), Milling, Vibrating Tables	1969-1982
2.6.3	Storeys Creek Tin Mining Company NL and Aberfoyle Tin NL, Milling, Pipes and Launderers	1965-1975
2.6.5	Aberfoyle Ltd (Mining Division), Milling, Cyclones	1969-1973
2.7.1	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Thickeners	1974-1975
2.7.2	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Vanners	1964-1976
2.8.1	Aberfoyle Ltd (Mining Division), Milling, Warman Pumps	1969-1982
2.8.2	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Thomson Pumps	1963
2.8.3	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Linatex Pumps	1962-1978
2.8.4	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Kelly and Lewis Pumps	1964
2.8.5	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Water Pumps	1977
2.8.7	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Suction Pumps	1966-1975
2.8.8	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Wilfley Pumps	1962-1971
2.8.9	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Gardner Denver Pumps	1962-1971
2.9.1	Aberfoyle Tin NL and Storeys Creek Tin	1981

	Mining Co NL, Milling, Trommels	
2.9.2	Aberfoyle Ltd (Mining Division) and Storeys Creek Tin Mining Co NL, Milling, Driers	1968-1981
2.9.3	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Dry Screens	1964-1972
2.9.4	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Hydro-Classifiers	1972
2.9.5	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Dry Elevators and Pneumatic Conveyors	1962-1967
2.9.6	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Acid Vats	1962-1972
2.9.7	Aberfoyle Tin NL, Crude Concentrate Dressing Plant, Milling, 22" Symons Crusher	1975-1979
2.10.1	Aberfoyle Ltd (Mining Division), and Storeys Creek Tin Mining Co NL, Milling, Magnetic Separators	1967-1978
2.10.3	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Scales	1964-1973
2.10.4	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Drums	1963-1972
2.10.5	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Bags	1962-1973
2.10.6	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Destruction of SCTM Separators by Fire	1965-1966
2.10.7	Aberfoyle Tin NL, Milling, Wet High Intensity Magnetic Separation, 'Whims'	1978
2.11.1	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Samplers	1961-1971
2.11.2	Aberfoyle Ltd (Mining Division), Milling, Weightometers (includes calibration report)	1968-1975
2.11.3	Aberfoyle Ltd (Mining Division), Milling, Laboratory Equipment	1968-1970

2.11.4	Aberfoyle Ltd (Mining Division), New Assay Office	1968-1971
2.12.2	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Dewatering Cones	1978
2.12.3	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Pipes and Valves	1962-1970
2.12.4	Aberfoyle Tin NL and Storeys Creek Tin Part 1 Mining Co NL, Milling, Settling Dams,	1970-1980
2.12.4	Aberfoyle Tin Ltd, Milling, Settling Part 2 Dams	1978-1980
2.12.6	Aberfoyle Tin Ltd - Tailings Disposal and Part 1 Retreatment, Jig Tailings Retreatment	1978-1981
2.12.6	Aberfoyle Tin Ltd, Tailings Disposal and Part 2 Retreatment, Jig Tailings Retreatment	1980-1981
2.12.6	Rossarden Mines Ltd, Tailings Disposal Part 3 and Retreatment, Jig Tailings Retreatment	1981
2.13.1	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Barrows, Bins, Dewatering Hoppers	1960-1970
2.13.2	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Hoists, Chain Conveyors, Chain Blocks	1961-1970
2.13.3	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Electrical Starters, Switches, Motors, Lights	1970-1977
2.13.4	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Flue Dust Collectors	1945-1975
2.13.5	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, General Brochures	1961-1970
2.13.6	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Miscellaneous Mill Equipment, Milling, Reduction Gears and Geared Motors	1961
2.13.7	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Milling, Instrumentation	1966-1976
2.14.1	Storeys Creek Tin Mining Co NL, Milling, Installation 3' Symons Crusher	1960-1971

2.14.2	Storeys Creek Tin Mining Co NL, Milling, Extension of Table Floor	1961
2.14.3	Aberfoyle Tin NL, Plant Investigations and Modifications, Milling, Installation Symons Screen	1962
2.14.8	Aberfoyle Ltd (Mining Division), Milling, Part 1 General Plant Modifications, Part 1	1965-1977
2.14.8	Aberfoyle Ltd (Mining Division), Milling , Part 2 General Plant Modifications, Supplement, Maintenance Meetings	1967-1972
2.14.9	Aberfoyle Tin NL, Milling, Metallurgical Investigation No MA-8.1	1961-1970
2.14.10	Storeys Creek Tin Mining Co NL, Milling, Magnetic Separation of Storeys Creek Crude Concentrate at Aberfoyle	1965-1969
2.14.11	Aberfoyle Tin NL, Milling, Flotation Tests on Table Middlings	1966-1969
2.14.12	Storeys Creek Tin Mining Co NL, Plant Investigation and Modification, Feed Rate Mill Tests	1964-1978
2.14.13	Aberfoyle Tin NL, Cone Concentrator	1968-1969
2.14.14	Storeys Creek Tin Mining Co NL, Plant Investigation and Modification, Milling, Miscellaneous Reports and Investigations from Mills Superintendent and Staff	1970-1975
2.14.15	Aberfoyle Ltd (Mining Division), Plant Investigation and Modification, Milling, Miscellaneous Reports and Investigations from Mill Superintendent and Mill Staff	1970-1980
2.14.16	Aberfoyle Tin NL, Group Metallurgical Services Department	1977-1979
2.15.0	Aberfoyle Tin NL, Milling, Heavy Media Separation Application to ATNL	1950-1954
2.15.2	Aberfoyle Tin NL, Milling, Heavy Media Separation Application to ATNL, HMS Separation and General Correspondence Pre-Acceptance of Proposal	1961-1964
2.17.3	Aberfoyle Tin NL, Milling, Heavy Media	1963-1971

Separation Commissioning and Operations

2.17.4	Aberfoyle Tin NL, Milling, Tailings Research	1963-1966
2.19.2	Aberfoyle Tin NL, Milling, Treatment of Mt Rex Ore	1947-1965
3.1.1	Aberfoyle Ltd (Mining Division), Lutwyche, General Correspondence	1966-1982
3.1.2 Part 1	Storeys Creek Tin Mining Co NL, Diamond Drilling, Geology, Underground Exploration and Diamond Drilling	1968-1977
3.1.2 Part 2	Storeys Creek Tin Mining Co NL, Storeys Creek Structure and Stratigraphy	1968-1977
3.1.3 Part 1	Aberfoyle Tin NL, Geology, Diamond Drill Core Logs	1969-1970
3.1.3 Part 2	Aberfoyle Ltd (Mining Division), Geology, Diamond Drill Core Logs	1969-1979
3.1.4 Part 1	Storeys Creek Tin Mining Co NL, Geology, Diamond Drill Core Logs	1969-1970
3.1.4 Part 2	Storeys Creek Tin Mining Co NL, Geology, Diamond Drill Core Logs	1969-1978
3.1.5	Aberfoyle Ltd (Mining Division), Diamond Drilling, General Correspondence etc	1970-1981
3.1.7	Aberfoyle Tin NL, Diamond Drilling, Geology, Mindrill Diamond Carat Credit Statements and Drilling Equipment	1966-1980
3.2.1 Part 1	Aberfoyle Ltd (Mining Division) and Storeys Creek Tin Mining Co NL, Surface Exploration, Eastern Hill Prospect	1965-1978
3.2.1 Part 2	Storeys Creek Tin Mining Co NL, Assays on Exploration Samples	1971-1972
3.2.3	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Exploration, Geology, Ardlethan Operation	1961-1977
3.2.4	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Exploration, Geology, Tin Exploration and Development Partnership	1961-1966

3.3.1 Part 1	Aberfoyle Tin NL, Leases, Geology, SPL and Lease Applications, Lutwyche-Kookaburra Prospect reports, drawings	1962-1969
3.3.1 Part 2	Aberfoyle Ltd (Mining Division) and Storeys Creek Tin Mining Co NL, Leases, Geology, SPL and Lease Applications	1973-1981
3.4.1	Aberfoyle Ltd (Mining Division), Geology, Ore Reserves	1969-1980
3.4.2	Storeys Creek Tin Mining Co NL, Geology, Ore Reserves	1969-1979
3.5.1	Aberfoyle Tin NL and Storeys Creek Tin Mining Co NL, Investigations, Geology, Mineragraphic Investigation	1969-1969
6.5.7	Aberfoyle Ltd (Mining Division), Miscellaneous Administration, Manager's Personal Correspondence	1970-1977
6.5.8	Rossarden Mines Ltd, Telexes, Inward	1982
6.5.9	Rossarden Mines Ltd, Telexes, Outward	1982
6.5.10	Aberfoyle Tin NL, Forms (includes Aberfoyle Mines Rossarden, Tasmania information brochure, and Aberfoyle Tin NL Rossarden, Tasmania 'General Conditions of Recruitment and Employment')	nd

B. Reports

The reports are arranged alphabetically by author. Most relate to the retreatment of jig tailings and the treatment of mill slimes. A smaller number relate to the last period of the mine under the ownership of H J Stacpoole.

B.1	Austin-Anderson (Aust) Pty Ltd, Proposed Tailings Reclamation and Cassiterite, Wolframite Flotation Plant for Rossarden	Jan 1978
B.2	K Burlinson, Fluid Inclusion Procedures Exploration: a literature survey	Jun 1980
B.3	T Choo, Wet High Intensity Magnetic Separation of Aberfoyle Mine Pilot Flotation Plant Concentrates	Jun 1978
B.4	W Clayton, A Report on Low Grade Tin-Tungsten Mineralization in the Aplite Cupola at Aberfoyle	Apr 1982
B.5	A R Collins, Report on the Study of Joints	Feb 1969

And Structural Control of Veins at Storeys
Creek, Tasmania

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| B.6 | CSIRO Report No 656, Aberfoyle
Mineralogy (photocopy) | Sep 1956 |
| B.7 | N P Dawson, Readings of Lismore Pty Ltd,
Wet High Intensity Magnetic Separation
of Wolframite Fines | Oct 1977 |
| B.8 | J Eltham and J Millar, Rossarden Mines
Ltd Project Evaluation Report | 1980 |
| B.9 | Fluor Australia Pty Ltd, Proposal for
Preliminary Engineering Study, Aberfoyle
Slimes Treatment Project | Oct 1977 |
| B.10 | K A Foo, Metallurgical Services Report,
Visit to Malaysian Tin Smelters | Jul 1978 |
| B.11 | N A Gilberthorpe and N H Musgrove, The
Application of Heavy Media Separation
and the Purchase of a Secondhand Plant for
Installation at Aberfoyle | Oct 1961 |
| B.12 | R A Graves, Mineral Deposits Ltd (Qld),
Research Report No 15/1, Concentration
of Ground Jig Tailings from the Aberfoyle
Mine, Tasmania | Feb 1969 |
| B.13 | J Hamill and others, Aberfoyle Services
Pty Ltd, Report No 81/3 Jig Tailings
Treatment | Apr 1981 |
| B.14 | R Hare, Geology and Exploration of the
Aberfoyle, Storeys Creek Field | Aug 1961 |
| B.15 | H F A Hergt and others, Principles of
Flotation of Cassiterite and Associated
Minerals | 1937 |

B.16	D Herriot, Report on Evaluation of Slime Dam at Aberfoyle	Jun 1967
B.17	R S Jackson, Readings of Lismore Pty Ltd Preliminary Wet Gravity Concentration Tests on a sample of Rossarden Tailings Dump <i>Oversize item</i>	Jan 1978
B.18	R S Jackson, Readings of Lismore Pty Ltd, Wet Magnetic Separation Testwork on Samples of Rossarden Flotation Concentrate Derived from Dump Oversize Treatment	Jan 1978
B.19	A Jessup, Review of the Summer Exploration Programme Undertaken in EL2/63, West Coast, Tasmania	1968-1969
B.20	G Krummei, Lutwyche Exploration Project: Geological Progress Report	1968-1969
B.21	J J Linden, Cundill, Meyers and Associates Pty Ltd, Surface Geological Investigation of Exploration Licence Area 11/67 - Storeys Creek-Rossarden Area, Tasmania	Apr 1968
B.22	Lutwyche Mine Task Force Report: Draft Section 1	Mar 1980
B.23	Lutwyche Mine Task Force Report: Section 4, Operating Costs	Apr 1980
B.24	Matte Fuming Project, Appropriation Requisition AEM/CA 78/4 Support Document	Aug 1978
B.25	Matte Fuming Project, Economic Feasibility Cost and Marketing Study	Aug 1978
B.26	McKee Pacific Pty Ltd, Proposal for Preliminary Engineering Study, Wolfram and Cassiterite Flotation Plant at Rossarden, Tasmania	Oct 1977
B.27	Kenneth McMahon and Partners Pty Ltd, Report on Operations, Aberfoyle Tin NL	Jul 1964
B.28	Kenneth McMahon and Partners Pty Ltd, Report on Aberfoyle, Storeys Creek	1970
B.29	Kenneth McMahon and Partners Pty Ltd, North Australian Uranium Corporation NL, Report on the Storeys Creek Mine	Dec 1964
B.30	A J Murphy, Aberfoyle Services Pty Ltd,	May 1979

Lutwyche Mining: Conceptual Mining
Study of the Lutwyche Ore Potential

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| B.31 | Ore Sorters (Aust) Pty Ltd, Model 16
Photometric Sorter Budget Expenditure
Schedule prepared for Aberfoyle Tin NL | Oct 1978 |
| B.32 | Ore Sorters (Aust) Pty Ltd, Photometric
Sorter Testwork Report | Sep 1978 |
| B.33 | K G Palmer, Abminco Exploration
Division Proposal to Drill Test the
Kookaburra Vein System | Jul 1978 |
| B.34 | A N Petrie and others, Beneficiation Tests
on a Tailing from Aberfoyle Ltd (Mining
Division) and Storeys Creek Tin Mining Co NL | Mar 1972 |
| B.35 | P J Reynolds and A J Titley, The Lutwyche
Ventilation Project | Sep 1979 |
| B.36 | S M Richards, Summary Report: Ore
Reserves Assessment as at Sept 30, 1977 | Sep 1977 |
| B.37 | C Roberts and M Tey, Juka Mine
Management Pty Ltd, Rossarden Tin Mine:
An investigation 1989 of the Open Cut
Potential of the Rossarden Tin Mine, North-
Eastern Tasmania | Jun-Jul
1989 |
| B.38 | R J Robinson, Ardlethan Slimes Flotation
Project: a Case for a Pilot Plant Installation | Dec 1977 |
| B.39 | R J Robinson, Metallurgical Development
at Aberfoyle, Ardlethan, and Cleveland | Apr 1980 |
| B.40 | T G Summons, Tin-Tungsten Base Metal
Mineralization Associated with the Ben
Lomond Granite Batholith ML 27/M77,
Aberfoyle District, North-East Tasmania | 1983 |
| B.41 | B F Titcombe and others, Spiers Shaft
Alternative: an Addendum to the Second
Draft Report of the Lutwyche Mine Task
Force | May 1980 |

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| B.42 | G J Wenk, Report 2568/72: Analysis of Tin and Wolfram in Mill Products Using Radioisotope X-Ray Analyser | 1972 |
| B.43 | J W Westaway, Ore Concentrating Practice at Aberfoyle Tin Co NL, Rossarden, Tasmania | 1946 |

C. Working Papers – Aberfoyle and Storeys Creek

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| C.1 | Aberfoyle Ltd (Mining Division), Diamond Drill Core Record Sheets | 1965-1969 |
| C.2 | Aberfoyle Tin Ltd, Laboratory Analysis Reports <i>Oversize item</i> | 1982 |
| C.3 | Aberfoyle Ltd (Mining Division), Lutwyche Project | 1968-1969 |
| C.4 | Aberfoyle Ltd (Mining Division), Lutwyche Exploration Project (includes Austin-Anderson (Aust) estimates) | 1968 |
| C.5 | Rossarden Mines Ltd, Aberfoyle/Lutwyche Diamond Drill Hole Survey Sheets | nd |
| C.6 | Aberfoyle Tin NL, Aberfoyle/Lutwyche, Stope Sampling Grade Sheets | 1979-1980 |
| C.7 | Aberfoyle Tin NL, Old Surface Surveys (working computation sheets) | nd |
| C.8 | Aberfoyle Tin NL and Aberfoyle Ltd (Mining Division), Magnetic Separator (includes drawings, correspondence, trade brochure and Instructions for Installing and Operating Memco Ferhope Power Type HM 6-Pole Belt Magnetic Separators) | 1944-1970 |
| C.9 | Cleveland Tin Ltd, Jig Tailing Retreatment <i>Oversize item</i> | 1979-1980 |
| C.10 | Contract Geophysics, Coretrays, Drilling General (catalogues, printed material) | nd |

C.11	Aberfoyle Tin NL, Working Papers and Correspondence (includes Storeys Creek Separator Room fire, Jig Tailings Test Programme, Terms of purchase - Tin Concentrates)	1965-1982
C.12	Daily Milling Summary Sheets <i>Oversize item</i>	1978-1979
C.13	Jig Tailings Retreatment Submission	April 1980
C.14	Lutwyche, Technical Plans	1979
C.15	Lutwyche, Undated Plans	c1962-1968
C.16	Reports and articles (includes L F Evans and others, The Flotation of Cassiterite 1962; N Rhodes, Notes on Visit to Aberfoyle Sep 1965; P E Wraigt; Notes on ATNL Sep 1965; S R J Perkins, Ore Treatment at Renison Ltd May 1977; R W Bruce and B Yaksic, Beneficiation of Low Grade Tin Ores by Flotation Apr 1966; CSIRO and University of Melbourne Mining Dept, Separation of Cassiterite by Electrostatic Concentration; J T Woodcock, Minerals Processing in Australasia 1971)	1962-1977
C.17	Slimes Flotation Project <i>Oversize item</i>	1978
C.18	Slimes Flotation, Aberfoyle Slimes Flotation Project	1978
C.19	Slimes Flotation Construction, Contracts	1977-1978
C.20	Slimes Flotation Plant Equipment, Specifications	1973-1978
C.21	Surface Diamond Drill Hole Cross Section Calculation Sheets	nd

D. Working Papers – H J Stacpoole

These working papers consist largely of reports and correspondence gathered by H J Stacpoole for reference purposes. They include some records originally created by Aberfoyle.

D.1	Exploration Licence, EL 57/80, Lyndhurst Gold Prospect, Waterhouse, Correspondence (includes T G Summons, EL 57/80 - H. J. Stacpoole, Final Report, Mar 1983)	1980-1983
D.2	Papers, General (includes correspondence, reports, memoranda)	1981-1984

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| D.3 | Reports (includes T G Summons, Aberfoyle Deposit Quartz Grades, Aug 1983; D E Leaman, Gravity Survey of the Rossarden-Storeys Creek Region; P J McGushin, Comments on Lutwyche Mine Task Force Report, Jun 1980; M L Houston, An Overview of the of Potential Aberfoyle Tin Ltd, May 1980) | 1980-1983 |
| D.4 | Reports (includes Thureau, Report on Gladstone Musselroe, and Waterhouse, 1881; V M Threaler, The Geology of the Mangana-Waterhouse Goldfields 1967, Lyndhurst Gold Prospect; The Waterhouse (or Lyndhurst) Goldfield, 1947) | 1881-1967 |
| D.5 | Reports (includes Sand Slime Dams for Rossarden Mine Ltd 1981; Jig Tailings Retreatment; R K Lawry, Cassiterite Flotation Project Progress Report 1, 1977; Tin Flotation 1978; and printed reference material (photocopies)) | 1977-1984 |
| D.6 | Trade Brochures and Other Printed Material | nd |
| D.7 | Wheal Lutwyche P/L, Aberfoyle Open Cut Potential | 1980 |

E. Employment Records

The item included here is the only remaining Aberfoyle employee record. However, some information on employees can be found in the registered files (eg 1.8.1, General Correspondence, Mines Department).

- | | | |
|-----|--|-----------|
| E.1 | Aberfoyle Tin NL, Workers' (Occupational Diseases) Relief Fund Act (1928-29), Employee's Register (Williams, Robert Douglas) (booklet) | 1943-1968 |
|-----|--|-----------|

F. Plans and Drawings

The plans and drawings have been divided into two groups, those which relate to mining and those which relate to milling. Included in the mining plans are some created in the last period of the mine's history, when it was under the ownership of H J Stacpoole. Items in this part of the collection created by Enpro Services require permission to be copied.

Mining

- | | | |
|-----|--|----|
| F.1 | Aberfoyle Tin NL - 1 Level - Scale:- 1in = 100ft | nd |
| F.2 | Aberfoyle Tin NL - 2 Level - Scale:- 1in = 100ft | nd |
| F.3 | Aberfoyle Tin NL - 3 Level - Scale:- 1in = 100ft | nd |

F.4	Aberfoyle Tin NL - 4 Level - Scale:- 1in = 100ft	nd
F.5	Aberfoyle Tin NL - 4 Level South - Scale:- 1in = 100ft	nd
F.6	Aberfoyle Ltd - Lutwyche Exploration Project - 13 Level Hydrogeology	Sep 1969
F.7	Aberfoyle Tin NL - 155 DU - Above 1 Level - Scale:- 1in = 40ft	nd
F.8	11 Party 1 Level - Cross Section and Plan	nd
F.9	Aberfoyle Tin NL - Proposed intermediate Level - Drawn by F G Hamilton - Scale:- 1in = 30ft	Oct 1959
F.10	1 Level - Plan - Scale:- 1in = 10ft	nd
F.11	Aberfoyle Tin NL - Composite Plan - Surface to 2165 - Scale:- 1in = 10ftF.	nd
F.12	Aberfoyle Tin NL - Composite Plan - 1 Level to face 155 DU - Scale:- 1in = 100ft	nd
F.13	Aberfoyle Tin Mine - Development Plan - 1 Level	nd
F.14	Aberfoyle Tin NL - 1-52-3-176 - Projection: Plane of Vein - Scale:- 1in = 40ft	nd
F.15	Aberfoyle Tin NL - 4 DU - Projection: Plane of Vein - Scale:- 1in = 40ft	nd
F.16	Aberfoyle Ltd - 1-55.6-167 - Scale:- 1in = 40ft	nd
F.17	Aberfoyle Tin NL - 1-59-169 - Projection: Plane of Vein - 3DU - Scale:- 1in = 40ft	nd
F.18	Aberfoyle Tin NL - 1-52.3-176 and 1-57.9-176 - Scale:- 1in = 40ft	nd
F.19	Aberfoyle Tin NL - 1HF - Projection: Plane of Vein - Scale:- 1in = 40ft	nd
F.20	Aberfoyle Tin NL - 6-61.2-132 - Projection: Plane of Vein - Scale:- 1in = 40ft	nd
F.21	Aberfoyle Tin NL - Projection: Plane of Vein - Scale:- 1in = 40ft	nd
F.22	Aberfoyle Tin NL - 1-58-167 and 2-61-168	nd

and 2-57.8-164 and 3-59.61-158 –
 Projection: Vertical 0 degrees - Scale:-
 1in = 40ft

F.23	Aberfoyle Tin NL - 5-54.5-130 - Projection: Plane of Vein - Scale:- 1in = 40ft	nd
F.24	Aberfoyle Tin NL - 3-60.2-160 and 3-612-162 - Projection: Plane of Vein - Scale:- 1in = 40ft	nd
F.25	Aberfoyle Tin NL - 58 DU - Projection: Vertical Azimuth 10 degrees - Scale:- 1in = 40ft	nd
F.26	Aberfoyle Tin NL - 11-60.3-86 and 12-60.2-86 - Projection: Plane of Vein - Scale:- 1in = 40ft	nd
F.27	Aberfoyle Tin NL - 9-64.7-92 - Projection: Plane of Vein - N135DA - Scale:- 1in = 40ft	nd
F.28	Aberfoyle Tin NL - 11-60.1-82 - Scale:- 1in = 40ft	nd
F.29	Aberfoyle Ltd - 9-53.7-107 and 9-57.9-107 Scale:- 1in = 40ft	nd
F.30	Aberfoyle Ltd - 8-58.60-129 - Scale:- 1in = 40ft - 3 pty	nd
F.31	Aberfoyle Tin NL - 8-51-149 and 8-52.3-149 - Projection: Plane of Vein - Scale:- 1in = 40ft	nd
F.32	Aberfoyle Tin NL - 8-53-6-130 and 9-54-5-130 - Scale:- 1in = 40ft	nd
F.33	Aberfoyle Tin Mine - Cross Section - 4700N - Scale:- 1in = 40ft - Drawn by KGP	Oct 1980
F.34	ROC 85-1 - Drill Coss Section - Orientated N 115 degrees E	nd
F.35	ROC 85-3 - Drill Cross Section - Bearing N 79 degrees E (Oblique to Section 5000'N) - Scale:- 10mm = 4.8m = 15.7ft	nd
F.36	Wheal Lutwyche Pty Ltd - Longitudinal Section Mine Grid - Scale:- 1 = 480 - Drawn by PFB	Jun 1987
F.37	Wheal Lutwyche Pty Ltd - Location Plan - Storeys Creek - Tailings Samples - Scale:- 1 = 300 - Drawn by PFB	nd

F.38	Wheal Lutwyche Pty Ltd - Assay Sections - Storeys Creek - Tailings Samples - Scale 1 = 50 vert - Drawn by PFB	Jun 1987
F.39	Wheal Lutwyche Pty Ltd - Cross Section [Strike = 111 degrees mag] (ddh ROC85-2 collared 4469N, az = 111 degrees) - Scale:- 1 = 480 - Drawn by PFB	Jun 1987
F.40	Wheal Lutwyche Pty Ltd - Cross Section [Strike = 115 degrees mag] (ddh ROC85-1 collared 5000N, az = 115 degrees) - Scale:- 1 = 480 - Drawn by PFB	Jun 1987
F.41	Storeys Creek Tin Mining Co NL - Shaft Section - 2905N - Looking North - Scale:- 1in = 100ft	nd
F.42	Storeys Creek Tin Mining Co NL - Nos 1, 2 and 3 Adits - Scale:- 1in = 100ft	nd
F.43	Storeys Creek Tin Mining Co NL - No 4 Adit Level - Scale:- 1in = 100ft - M28 - Surveyed by BC - Drawn by BC	c1960
F.44	Storeys Creek Tin Mining Co NL - No 1 Level - Scale:- 1in = 100ft - RL = 2429.00	c1960
F.45	Storeys Creek Tin Mining Co NL - No 1A Level - RL 2410' - Scale:- 1in = 100ft - Drawn by BC	c1960
F.46	Storeys Creek Tin Mining Co NL - No 3 Level - Scale:- 1in = 100ft - RL = 2353.30	c1960
F.47	Storeys Creek Tin Mining Co NL - No 4 Level - Scale:- 1in = 100ft - RL = 2315.30	c1960
F.48	Storeys Creek Tin Mining Co NL - No 5 Level - Scale:- 1in = 100ft - RL = 2281'	c1960
F.49	Storeys Creek Tin Mining Co NL - No 6 Level - Scale:- 1in = 100ft - RL = 2265.89	c1960
F.50	Storeys Creek Tin Mining Co NL - Level 6A - Scale:- 1in = 100ft - RL = 2234 - Drawn by BC	c1960
F.51	Storeys Creek Tin Mining Co NL - Level 7 - Scale:- 1in = 100ft - RL = 2216.69 - M20	c1960
F.52	Storeys Creek Tin Mining Co NL - Level 7A - Scale:- 1in = 100ft - RL = 2192 - Drawn by BC	c1960

- F.53 Storeys Creek Tin Mining Co NL - Level 7B - c1960
Scale:- 1in = 100ft - RL = 2180' - M 34 -
Drawn by BC
- F.54 Storeys Creek Tin Mining Co NL - No 8 Level - c1960
RL = 2166.13 - Scale:- 1in = 100ft
- F.55 Storeys Creek Tin Mining Co NL - No 8A c1960
Level - Scale:- 1in = 100ft - Drawn by BC
- F.56 Storeys Creek Tin Mining Co NL - No 9 c1960
Level - RL = 2107.25 - Scale:- 1in = 100ft
- F.57 Storeys Creek Tin Mining Co NL - No 10A c1960
Level - RL = 2060.87' - Scale:- 1in = 100ft
- F.58 Storeys Creek Tin Mining Co NL - No 11 c1960
Level - RL = 2006.93 - Scale:- 1in = 100ft
- F.59 Storeys Creek Tin Mining Co NL - No 12 c1960
Level - RL = 1954.00' - Scale:- 1in = 100ft
- F.60 Sturts Meadows Prospecting Syndicate - nd
Dan Rivulet Project - Drafting by Geodrafting
Services for A C A Howe Australia Pty
Ltd - Hinemoa Mine - Scale:- 1 = 500 -
Prepared by P R Mitchell - from actual survey

Milling

- F.61 Aberfoyle Ltd, Wright Spiral Concentrator Sep 1979
Test Results for Tin and Wolfram - 7#, 14#
Table Tail Slimes (deslimed)
- F.62 Aberfoyle Ltd (Mining Division), Concentrate Sep 1970
Mechanical Handling, Magnetic Separators
Storage Bins - Scale:- 1 1/2in = 1ft Phoenix
Foundry Ltd - Drawn by KAW
- F.63 Aberfoyle Ltd (Mining Division), Proposed nd
Extensions to Drier Room - Scale 1/4in = 1ft
Phoenix Foundry Ltd, Drawn by KAW
- F.64 Aberfoyle Ltd (Mining Division), Proposed Sep 1970
Location of Separation Building - Scale:-
1/8in = 1ft - Phoenix Foundry Ltd, Drawn
by KAW
- F.65 Aberfoyle Ltd (Mining Division), Section Sep 1970
Through Transport Feeding Containers -
Scale:- 3in = 1ft - Phoenix Foundry Ltd

F.66	Aberfoyle Management Pty Ltd, Aberfoyle Ltd (Mining Division), Section Through Existing Drier Room and Proposed Extension,- Drawn by KAW	Sep 1970
F.67	Aberfoyle Management Pty Ltd, Installation of Flotation Cells, General Arrangement - Drawn by PJH - Scale:- 1in = 1ft - Drawing No 702	nd
F.68	Aberfoyle Management Pty Ltd, Separator Building, Aberfoyle	nd
F.69	Aberfoyle Management Pty Ltd, Table C, Lutwyche Project, Shaft, Cost Estimate Comaparison, Tenders, Amendment No 1	Sep 1968
F.70	Aberfoyle Tin NL, Rossarden Mine, Feed Preparation Circuit Arrangement, Enpro Services - Scale:- 1 = 20 - Drawing No 212-78-07 - Drawn by CT	Apr 1978
F.71	Aberfoyle Tin NL, Rossarden Slime Dams, Volums and Diagram	nd
F.72	Abminco NL, Cassiterite Flotation Plant, Flotation Circuit, Arrangement and Marking Plan - Scale:- 1 = 15 - Enpro Services - Drawing No 212-78-14	Mar 1978
F.73	Cleveland Tin NL, Coarse Tin, Bids And Cleveland Tin NL, Slime Tin Bids, Chart	1967
F.74	Flotation Plant, Diagram	nd
F.75	Rossarden Mines Ltd, Jig Tails Treatment, Connection Detail Pump Hopper to Warman Pump, Enpro Services, Drawing No 543-01 - Drawn by MB	Jan 1982
F.76	Storeys Creek Tin Mining Co. NL, Mill and Return Water Dam (not drawn to scale)	nd

G. Maps

G.1	Freehold Land Purchase Grant, 196/1 and Memoranda, Aberfoyle Management Pty Ltd	Oct 1974
G.2	Land District of Cornwall, Vicinity of Rossarden, Map Showing Leases - Scale:- 1in = 2,500ft	Feb 1973
G.3	St Pauls, Map Showing Aberfoyle and Storeys Creek Leases	nd
G.4	Aberfoyle Tin NL, Plan Showing Leases - Scale:- 1in = 20cms	Dec 1961
G.5	Storeys Creek and Aberfoyle Mines, Shafts and Prospects	nd
G.6	Aberfoyle Ltd, Mining Lease, 837 P/M to 843 P/M Inc and 15 M/73 to 24 M/73 Inc	nd
G.7	Rossarden Mines Ltd, EL 28/78 133 SKM	Oct 1982
G.8	Storeys Creek Tin Mining Co NL, Rossarden, Storeys Creek, Gipps Creek Areas - Base Map (EL 11/67) - Scale:- 1in = 12,000ft - Plateau 287 A/72 - Prepared by Cominco Exploration Pty Ltd	Jan 1982
G.9	Department of Mines Tasmania, Mineral Topographic Series 39, Mt Rex - Scale:- 1in = 20,000ft - Sheet 20/5538 Mt Rex	1980
G.10	Department of Mines Tasmania, Mineral Topographic Series, Mt Rex - Scale:- 1in = 20,000ft - Sheet 20/5538 Mt Rex	1978
G.11	Department of Mines Tasmania, Mineral Topographic Series 43, Gipps Creek - Scale:- 1in = 10,000ft - Sheet 10/5538-05 Gipps Creek	1980
G.12	Department of Mines Tasmania - Mineral Topographic Series 44, Rossarden - Scale:- 1in = 20,000ft - Sheet 20/5638 Rossarden	1980
G.13	Department of Mines Tasmania, Mineral Topographic Series 45, Ben Lomond - Scale:- 1in = 20,000ft - Sheet 20/5539 Ben Lomond	1980
G.14	Department of Mines, Tasmania, Mineral	1980

Topographic Series 54, Sphinx Bluff -
Scale:- 1in = 20,000 - Sheet 20/5639

- G.15 Department of Mines Tasmania, Mineral Chart (Map), Scamander, County of Cornwall nd
- G.16 Department of Mines Tasmania, Key Map showing Exploration and Special Licences (Tasmania) - Scale:- 1in = 50,000ft Apr 1972
- G.17 Department of Mines, Tasmania, Key Map showing Exploration and Special Licences (Tasmania) - Scale:- 1in = 50,000ft Jul 1967

H. Ben Lomond Golf Club Records

The Ben Lomond Golf Club was owned and operated by Aberfoyle, although it was also open to members of the community

- H.1 Ben Lomond Golf Club, Minutes of Meetings, minute book 1962-1966

OTHER SOURCES

QVMAG, CHS 114, Miscellaneous Mining Collection

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Backs-Tracks Heritage Consultants (1995), *Archaeological reconnaissance of Storeys Creek and Aberfoyle mines Rossarden, Tasmania, mine site rehabilitation: phase 1*. Report to Industry Safety and Mines Division, Tasmania Development and Resources, January 1995

Backs-Tracks Heritage Consultants (1995), *Archaeological reconnaissance of Storeys Creek and Aberfoyle mines Rossarden, Tasmania, mine site rehabilitation: phase 2*. Report to Industry Safety and Mines Division, Tasmania Development and Resources, June 1995

Narelle Blackaby, *Rossarden: echo of the mountain*, Canberra, 2003

Kilner, R, *The History of Storeys Creek*, nd

Launceston Library, Local History Collection, newspaper cutting file 'Rossarden', 'Storeys Creek'