

 <p data-bbox="240 331 395 383">THE UNIVERSITY OF MELBOURNE</p>	<p data-bbox="635 282 1362 315"><b>THE UNIVERSITY OF MELBOURNE ARCHIVES</b></p>
<p data-bbox="236 427 448 495"><b>NAME OF COLLECTION</b></p>	<p data-bbox="517 427 959 456"><b>CRA LIMITED PHOTOGRAPHS</b></p>
<p data-bbox="236 539 491 573"><b>REFERENCE NO</b></p>	<p data-bbox="517 539 815 573">1987.0090, 1987.0133</p>
<p data-bbox="236 618 416 651"><b>CATEGORY</b></p>	<p data-bbox="517 618 632 651">Business</p>
<p data-bbox="236 663 400 696"><b>ACTIVITY</b></p>	<p data-bbox="517 663 608 696">Mining</p>
<p data-bbox="236 741 448 775"><b>DATE RANGE</b></p>	<p data-bbox="517 741 671 775">1880s-1977</p>
<p data-bbox="236 819 448 887"><b>SIZE OF COLLECTION</b></p>	<p data-bbox="517 819 639 853">19 boxes</p>
<p data-bbox="236 938 448 1005"><b>HISTORICAL NOTE</b></p>	<p data-bbox="517 938 1465 1290">Conzinc Riotinto of Australia Limited, later CRA Limited, was formed in July 1962 through the merger of the Australian interests of the Consolidated Zinc Corporation and Rio Tinto Limited. Simultaneously the Rio Tinto-Zinc Corporation was formed through the merger of the British parent companies. From then, CRA Ltd ran the corporation's Australian operations, and some overseas offshoots. In December 1995 the two companies restructured as a 'dual-listed' company in both Britain and Australia under the name of RTZ-CRA. In June 1997 the corporation name reverted to Rio Tinto and was again restructured with its head office in Britain, with business units based in strategic countries.</p>
<p data-bbox="236 1366 416 1433"><b>DATE OF TRANSFER</b></p>	<p data-bbox="517 1366 584 1400">1987</p>
<p data-bbox="236 1480 448 1547"><b>ACCESS CONDITIONS</b></p>	<p data-bbox="517 1480 647 1514">Restricted</p>
<p data-bbox="236 1594 472 1628"><b>DESCRIPTION</b></p>	
<p data-bbox="236 1675 472 1742"><b>NOTE ON COLLECTIONS</b></p>	<p data-bbox="517 1675 778 1709">See following pages</p>
<p data-bbox="236 1792 384 1859"><b>NOTE ON LISTING</b></p>	
<p data-bbox="236 1904 408 1948"><b>LISTED BY</b></p>	<p data-bbox="517 1904 703 1937">M.L. Swancott</p>
<p data-bbox="236 1957 328 1991"><b>DATE</b></p>	<p data-bbox="517 1957 639 1991">4/3/1991</p>

THE UNIVERSITY OF MELBOURNE ARCHIVES  
CRA PHOTOGRAPH COLLECTION

**TRANSFEROR:** CRA Ltd., 55 Collins St, Melbourne

**DATE TRANSFERRED:** 1988

**DATE RANGE:** Some historical photographs from the 1880's onwards but most 1950's to mid 1970's.

**ACCESS:** The CRA Photograph Collections have been gifted to the University of Melbourne Archives so access to the material is governed by the archive's normal provisions. There are however copyright restrictions on this material. Persons wishing to reproduce photographs from this collection should consult the archivist.

**Physical Description of Photograph Collection:**

The Second Accession of CRA Photographs consists of eighteen archival boxes and one oversize box. The first sixteen boxes contain photographic prints as does the oversize box. The remaining two boxes contain 35mm colour slides.

**Divisions and sub-divisions in the List:**

Apart <sup>from</sup> ~~from~~ a small group of Personnel Photographs all those within the collection are related to operations, normally mining or metallurgical, with a large group originating as Photographic Albums documenting revegetation and regeneration of specific mine sites.

The List has been compiled on the basis of these divisions arranged alphabetically by subject. For reasons of convenience the two boxes of slides have been listed separately to the main run of prints arranged in the same fashion.

**Numbering System:**

Following on the system used in the First Accession of CRA Photographs all archival numbers through this collection commence with a "2" specifying that they are from the Second Accession. With the exception of the Second Group, Photographic Albums on site rehabilitation, most items are specified by a four digit number. In these the third number specifies the sub-group and second number the main subject division, normally a particular mine operation. The Rehabilitation Albums, the second major group in the listing, have an additional number representing the album from which they came as the third number. In this part of the List item numbers are five digits in length.

M. L. Swancott  
4/3/91

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1	2/1/1/2	Broken Hill South Ltd. <sup>1.5" Baillie</sup> Unidentified group portrait, <sup>c 1926</sup> one 112x158mm B/W contact print and two B/W studio copy negatives. [Peter Fox Camera Store], n.d.
1	2/1/1/3	John Falk. Three 6x6cm C trans with covering note. N.d.
1	2/1/1/4	Roger Knott(?). Twelve 6x6cm C trans, outside London building. N.d.
1	2/1/1/5	Dick Moffat. Eighteen 6x6cm C trans. Covering note: St James' Square & outside No 6. N.d.
1	2/1/1/6	Brian Tozer. Eleven 6x6cm C trans. Covering note: Against background of No 4 Furnace & No 4 Complex in front of office block. N.d.
1	2/1/1/7	Martin Koffel. Eight 6x6cm C trans. Covering note: Piccadilly Circus - also showing Regent St curving in background. N.d.
1	2/1/1/8	Graeme Reaney, Bristol Office. Eight 6x6cm C trans with covering note. N.d.
1	2/1/1/9	Mr Moon (??). Ten 6x6cm C trans. Covering note: Taken at Commonwealth Smelting Offices, Avonmouth. N.d.
1	2/1/1/10	Accounts Personnel: McKean, Chesterman and Horton. Twenty-three 6x6cm C trans. N.d.
1	2/1/1/11	J J O'Neil. Six 35mm trans and six C negatives. N.d.
1	2/1/1/12	House [Estray!!]. One 6x6cm C trans. Project House(?). N.d.
	<u>2/1/2</u>	<u>Personnel, Annual Report 1969.</u>
1	2/1/2/1	Bob Reid. Seven 6x6cm C trans. January 1970.
1	2/1/2/2	David Klinger and C P Bishop <u>et al.</u>
1	2/1/2/2/1	David Klinger, Geologist and Chemist. Six 6x6cm C trans of David Klinger with chemical structure model(?). Five with assistant and chemical apparatus. [Val Foreman], circa 1969.
1	2/1/2/2/2	C P Bishop, <u>et al.</u> One 6x6cm C trans group snapshot. Circa 1969.

Box No	Archival Number	Description
1	2/1/2/3	Unidentified (!!!). Two 6x6cm C trans. Staff with equipment. [Check 1969 Annual Report.] Circa 1969.
1	2/1/2/4	Unidentified Group. One 6x6cm C trans. Group at meeting. Circa 1969.
1	2/1/2/5	95 Collins St. Two 35mm trans of building. Circa 1969.
1	2/1/2/6	Personnel inspecting drill cores. One 90x115mm C trans. Circa 1969.
1	<u>2/1/3</u>	<u>CRA Building.</u>
1	2/1/3/1	Aerial Photographs of CRA Building. Two 90x120mm C prints of different views. Two 120x95mm C trans of longer distance views of the building. [G R Birrell], November 1967.
1	2/1/3/2	CRA Building - exterior. Eleven 6x6cm C trans of entrance to CRA Building. [Val Foreman], n.d.
	<u>2/2</u>	<u>SUBJECT PHOTOGRAPH ALBUMS.</u> Large group of C prints approximately 90x120mm. The albums illustrate various stages of mine and plant site rehabilitation and were arranged by subject with captions as in the list below. The captions are given as the item description throughout this list.
1	<u>2/2/1</u>	<u>WOODLAWN, W.A. General, includes Ashton and Noonkanbah.</u> From Album 1.
1	2/2/1/1	Ashton, November 1978.
1	2/2/1/1/1-2	Loaming on 5 ha pipe; Warren Atkinson and Frank Hughes.
1	2/2/1/1/3-4	Trench on No. 2 pipe: Warren Atkinson, Frank Hughes and others.
1	2/2/1/1/5-6	No. 4 pipe with trench to digger. Frank Hughes and others.
1	2/2/1/1/7-8	No. 4 pipe with trench and heap of Kimberlite crater sediment. Frank Hughes and others.
1	2/2/1/1/9	Kimberley Downs Diamond treatment plant; unloading Kimberlite into hopper.
1	2/2/1/1/10	Settling dam and return water dam.
1	2/2/1/1/11	Water storage, offices, workshop, storage area. Composite.
1	2/2/1/1/12	New sludge dam.
1	2/2/1/1/13	HMS cyclone plant.



Box No	Archival Number	Description
1	2/2/1/1/14	Overflow from HMS cyclone.
1	2/2/1/1/15	Security area: diamond sorting.
1	2/2/1/1/16	Power Station, plant, water from sludge dam.
1	2/2/1/1/17	Laurie Fitzgerald.
1	2/2/1/1/18-19	John Falk and Don McLachlan.
1	2/2/1/1/20	Exploration camp with small diamond plant. Composite.
1	2/2/1/1/21	Bill Hayward.
1	2/2/1/1/22	Exploration diamond plant.
1	2/2/1/1/23	Exploration camp.
1	2/2/1/1/24	Termite mound with Roy Williams, Minenco.
1	2/2/1/1/25	Frank Hughes.
1	2/2/1/1/26-28	Brolgas near sludge dam, Kimberley Downs.
1	2/2/1/2	Noonkanbah Station, 1978(?).
1	2/2/1/2/1	Looking west from road through the claims. Composite.
1	2/2/1/2/2	Disused fence.
1	2/2/1/2/3	Walgidee Hills area; crater rim and crater with Frank Hughes.
1	2/2/1/2/4-5	An Amex oil exploration track.
1	2/2/1/2/6	Fitzroy River near homestead, Amex track beyond.
1	2/2/1/2/7	Fitzroy River, ford near homestead.
1	2/2/1/2/8	New fencing, Noonkanbah Station.
1	2/2/1/2/9-11	Homestead area, woolshed and locals.
1	2/2/1/2/12	Calwynyardah - auger holes to bedrock.
1	2/2/1/2/13	Calwynyardah - Bustard (?)
1	2/2/1/3	Woodlawn, 21 September 1978.
1	2/2/1/3/1	Mill and offices from road.
1	2/2/1/3/2	Mill and offices from top of pit.
1	2/2/1/3/3	Ore bins and concentrator.
1	2/2/1/3/4	Primary and secondary crushers.

Box No	Archival Number	Description
1	2/2/1/3/5-6	Open pit: white material is chloritoic(?) schist containing pyrite; reddish material is weathered dolerite.
1	2/2/1/3/7	Waste dumps from west. Green area above white is revegetation of material covering pyritic overburden.
1	2/2/1/3/8	Top of waste dump, various species planted in shallow soil covering pyritic material.
1	2/2/1/3/9	Tailings dam, looking east, showing main dam and subsidiary dam for gossan plant wastes (containing Au). Gossan plant on right. 'Pylara' paddock on left (with dam). Composite.
1	2/2/1/3/10	Looking E.N.E. to Pylara from approximate site of tailings line failure. North wall, piezometers barely visible. Composite.
1	2/2/1/3/11-12	Looking west down drainage to Lake George from and over main waste dump. Reservoir for make up water R centre, near Woodlawn HS. Waste rock catch pond not visible, but at end of road L centre.
1	2/2/1/4	Oscar Ranges, W.A., n.d., Mt Travenor(?).
1	2/2/1/4/1-5	Oscar Ranges, W.A., cave paintings.
1	2/2/1/4/6	Oscar Ranges, vicinity of cave paintings, W.A.
1	2/2/1/4/7	Gorge in Oscar Ranges, near cave paintings.
1	2/2/1/4/8	Mt. Percy, from Oscar Ranges, gorge near cave as in previous photograph.
1	<u>2/2/2</u>	<u>BROKEN HILL.</u> From Album 2 (1 of 2).
1	2/2/2/1	Broken Hill, November 1974.
1	2/2/2/1/1	Zinc Corporation mine.
1	2/2/2/1/2	Vegetation on old tailings dam near University College.
1	2/2/2/1/3	NBHC and main tailings dump. Composite.
1	2/2/2/1/4	Main tailings dump. Top and bottom, planted October 1974; middle, planted late 1973; southern end, planted 1971. (Revegetation.) Composite.
1	2/2/2/1/5	Town with trees: all trees since 1930s.
1	2/2/2/1/6	CSIRO trial plots with trickle irrigation.
1	2/2/2/1/7	Established vegetation on dump (1971).
1	2/2/2/1/8	Looking along CSIRO 1974 plots.

Box No	Archival Number	Description
1	2/2/2/1/9-10	Established vegetation with CSC and Reg Gould (consultant ecologist and head nurseryman).
1	2/2/2/1/11-14	Views of Kinchega National Park.
1	2/2/2/2	Broken Hill, May 1974.
1	2/2/2/2/1	Top of east side of tailings dump. Planted late 1974.
1	2/2/2/2/2	Late 1974 plantings on east face of main ZC tailings dump.
1	2/2/2/2/3	SW corner of main ZC tailings dump. Composite.
1	2/2/2/3	MM&N, May 1975.
1	2/2/2/3/1	South mill. New grate and conveyor at back left is open-cut oxide ore.
1	2/2/2/3/2	Old BHP open-cut with zinc tailings.
1	2/2/2/3/3	Main Blackwood's open-cut operation. Composite.
1	2/2/2/3/4	North end of open cut.
1	2/2/2/3/5	Tipping into primary crusher.
1	2/2/2/3/6	Two crushers and stockpile for open cut ore. Composite.
1	2/2/2/3/7	Sound barrier next to Blackwood's open cut.
1	2/2/2/3/8	John Everliegh?, John O'Sullivan and I Hore-Lacy at Kinchega National Park, November 1974.
1	2/2/2/3/9	Old Kintore area.
1	2/2/2/4	Broken Hill, 8 December 1976.
1	2/2/2/4/1	Spreading topsoil on main ZC dump.
1	2/2/2/4/2	Three-month-old seedlings planted in topsoil.
1	2/2/2/4/3	Three-month-old seedlings planted directly into tailings.
1	2/2/2/4/4	Side of dump trickle irrigated for six months, not sown or planted.
1	2/2/2/4/5	One-year-old (late 1975) vegetation, west side of dump.
1	2/2/2/4/6	Two-year-old vegetation, west side.
1	2/2/2/4/7	South west corner of dump. Bottom two levels have had no irrigation for 16 months. Composite.

Box No	Archival Number	Description
1	2/2/2/4/8	ZC/NBHC new tailings dam.
1	2/2/2/4/9	North Broken Hill tailings dam with CSIRO test plots: Melaleuca 14 months old, water irrigated.
1	2/2/2/4/10	North Broken Hill main No 3 shaft and de Bavay sand dump area. Trees on far right are unwatered, closer ones are three years old and watered.
1	2/2/2/4/11	Four-five metre trees, irrigated, three years old, near North Broken Hill No 3 Shaft.
1	2/2/2/4/12	North Broken Hill: Old dump being reclaimed. The grass cover results from sewage sludge, no irrigation.
1	2/2/2/4/13	Limestone and sewage sludge treatment of tailings - trial plots behind. Volunteer annuals and saltbush.
1	2/2/2/4/14	Junction North slimes dam site. Sewage sludge and irrigation. The dump was removed in 1955, pH dropped to 5.1 in 1971. Small eucalypts in background were planted in October 1974, remainder since.
1	2/2/2/4/15	North Broken Hill, Imperial Lake. Mine and tailings dam beyond. Composite.
1	2/2/2/5	<b>Broken Hill, 6 July 1977.</b>
1	2/2/2/5/1-2	ZC and NBHC with park, university college beyond.
1	2/2/2/5/3-4	Old and new tailings dams.
1	2/2/2/5/5-6	Old tailings dam with ZC and NBHC
1	2/2/2/5/7-8	ZC and NBHC from south.
1	2/2/2/5/9	South West corner of main dump. Top level has been irrigated continuously, lower levels without irrigation for twenty three months. Right hand end of lower and middle levels planted 1971, middle level planted late 1973, top and bottom planted October 1974. Composite.
1	2/2/2/5/10-11	South west corner looking north and east. 1971 planting, no irrigation for twenty three months.
1	2/2/2/5/12	South west corner, middle rise, looking east. 1971 planting, no irrigation for twenty three months.
1	2/2/2/5/13	Site C - new tailings dam. Asbestos piping is header line for irrigation. First rise completed, with some oil coating. NB windblown drift.
1	2/2/2/5/14-15	West side, top rise, planted 1974. Eucalypts to three metres, but irrigation on bank mostly stopped due to blocked drippers.

Box No	Archival Number	Description
1	2/2/2/5/15-17	Vegetation on dump top, with topsoil. About ten months old. NB salt halo.
1	2/2/2/5/18	Wind eroded area without topsoil, partly replanted in new year, otherwise about ten months old. NB exposed roots.
1	2/2/2/5/19-20	Ten month old vegetation planted directly in tailings. NB salt haloes.
1	2/2/2/5/21	John Rogers in flooded area with bamboo, pampas, lignum, etc, ten months old.
1	2/2/2/5/22	CSIRO plot on smooth side of dump. Saltbush doing well.
1	2/2/2/5/23	Vegetation on east side, planted late 1974.
1	2/2/2/5/24	Twin Lakes.
1	2/2/2/5/25-26	Solarch house at Fowlers Gap with 110v wind generator.
1	2/2/2/5/27-28	Menindee Lakes, Kinchega National Park area. Aerials.
1	2/2/2/5/29-31	Natural vegetation and landform east of Broken Hill. Aerials.
2	<u>2/2/3</u>	<u>BROKEN HILL.</u> From Album 3 (2 of 2).
2	2/2/3/1	Visit to ZC with Malaysian Group, 4 November 1977.
2	2/2/3/1/1-2	At tailings dam.
2	2/2/3/1/3	Mr Suhaimi and Mr Zulkifli, Bob Thistlethwaite and Cliff Braes.
2	2/2/3/1/4	At Imperial Lake. L to R: John Waldrum, Dr Arasu, Mr Zakaria, Mr Suhaimi, Mr Abidin, Cliff Braes, Bob Thistlethwaite. (Mr Asmi out of photograph).
2	2/2/3/2	Broken Hill, November 1977.
2	2/2/3/2/1	South west corner of main dump. Top level still irrigated lower levels without irrigation for twenty seven months. Composite.
2	2/2/3/2/2	Top of dump, vegetation about fourteen months old.
2	2/2/3/2/3	New site C tailings dam, planted out in August.
2	2/2/3/2/4	Imperial Lakes.
2	2/2/3/2/5	South mine, Old Kintore Area.

Box No	Archival Number	Description
2	2/2/3/3	<b>BHAS, Port Pirie, November 1974.</b>
2	2/2/3/3/1	BHAS wharf area. Silos and town in background.
2	2/2/3/3/2	SO <sub>2</sub> monitor at police station.
2	2/2/3/3/3	Works with main drain.
2	2/2/3/3/4	View east to Flinders Ranges.
2	2/2/3/3/5	Looking at main outfall. Ian Hore-Lacy, Frank Whitworth and Wes Thomas.
2	2/2/3/3/6	Further down main outfall. Dredging in progress.
2	2/2/3/3/7	Mangroves in branch of tidal section of main drain. Elsewhere Ruppia?? is prominent in the water.
2	2/2/3/3/8	Settling ponds on main outfall. Zn-rich slag stockpile on left.
2	2/2/3/3/9	Settling ponds with works and slag stockpile.
2	2/2/3/3/10-11	Trial pond with algal biomass growing on wooden frames.
2	2/2/3/3/12	Wes Thomas, CSC and Frank Whitworth at trial pond.
2	2/2/3/3/13	Clear effluent at second weir.
2	2/2/3/3/14	Wes Thomas with decomposing biomass collected in steel sump at second weir. Dry weight 12% Zn, 1%Pb.
2	2/2/3/3/15	Looking back from second weir to slag heaps and old uranium plant.
2	2/2/3/4	<b>Broken Hill Associated Smelters, 14 October 1976.</b>
2	2/2/3/4/1-2	New 4000cfm venturi scrubber stack, at tip end of sinter machine.
2	2/2/3/4/3	Slag fuming plant. Heat exchanger and duct to baghouse.
2	2/2/3/4/4	Scrubber at baghouse exit with thickener for slurry and stack.
2	2/2/3/4/5	Small baghouse for zinc casting furnaces.
2	2/2/3/4/6	Butyl lined dams for basic calcium arsenite, built on spent slag with lime sand overlay.
2	2/2/3/4/7	Top of Pb blast furnace.
2	2/2/3/5	<b>BHAS, Port Pirie, 29 November 1977.</b>
2	2/2/3/5/1	Base of new 205 m stack.

Box No	Archival Number	Description
2	2/2/3/5/2	Construction of new baghouse.
2	2/2/3/5/3	Concentrates on train and Zn stockpile.
2	2/2/3/5/4	Arsenic treatment plant.
2	2/2/3/6	BHAS, 29 June 1978.
2	2/2/3/6/1	New stack under construction.
2	2/2/3/7	BHAS, n.d.
2	2/2/3/7/1	Plant from lagoon area.
2	2/2/3/7/2	Lagoon discharge.
2	2/2/3/7/3	Algae.
2	2/2/3/8	ACI Shellgrit Quarry, Port Gawler, S.A., n.d. (?)
2	2/2/3/8/1	Working face, with topsoil ripped off.
2	2/2/3/8/2	Topsoil replaced ready for spreading. Strip of Melaleuca left as windbreak and seed source.
2	2/2/3/8/3	Three-month old regeneration; Cakila is pioneer species.
2	2/2/3/8/4	Two-year old regeneration with grass and Acacias. Melaleuca is just starting to appear, and a salt-tolerant Melaleuca species has also been planted out. Box thorn has been cut.
2	2/2/3/9	ACI Normanville Sand Quarry, S.A.
2	2/2/3/9/1	Rough area nearby: was mined and then topsoil was dumped on it. No further work was carried out.
2	2/2/3/9/2	Working face and dune profile.
2	2/2/3/9/3	Three-year old regeneration following hydromulching.
2	2/2/3/10	Stonyfell Quarry, S.A.
2	2/2/3/10/1	Newer regeneration on topsoil in bed of quarry.
2	2/2/3/10/2	Three-year old regeneration on batter ?? . Cereal rye was followed by Olearia.
2	2/2/3/11	Port Pirie Rare Earths & Uranium Treatment Plant, 29 November 1977. (Uranium milling 1954 - 1962; Rare earths and monazite 1968-1971.)
2	2/2/3/11/1	Site of leach tanks, main mill shed.
2	2/2/3/11/2-3	Thickeners.
2	2/2/3/11/4	Thickeners and tailings area.

Box No	Archival Number	Description
2	2/2/3/11/5	Cerium plant.
2	2/2/3/11/6	Tailings, uncovered.
2	2/2/3/11/7	Tailings covered with slag. Composite.
2	2/2/3/11/8	Plant and tailings from west.
2	2/2/3/12	<b>Radium Hill (1954-1962), 3 November 1977.</b>
2	2/2/3/12/1	View from several kilometres north.
2	2/2/3/12/2	Bins and tailings.
2	2/2/3/12/3	Disturbed area to north.
2	2/2/3/12/4	DFP and RWH viewing site.
2	2/2/3/12/5-8	Views of bins and foundations with some natural regeneration.
2	2/2/3/12/9-12	Views of foundations etc. Looking north towards town and reservoir.
2	2/2/3/12/13-16	Tailings dump.
2	2/2/3/12/17-18	Eroded top of western tailings.
2	2/2/3/12/19	Screenings on surface of eastern tailings.
2	2/2/3/12/20	Windblown material at base of dump.
2	2/2/3/12/21	Main town site from manager's hill. Composite.
2	2/2/3/12/22	Other part of town site.
2	2/2/3/12/23	Swimming pool on hill.
2	<u>2/2/4</u>	<u>TASMANIA</u> . From Album 4.
2	2/2/4/1	<b>Tasmania, 5-6 May 1976</b>
2	2/2/4/1/1	North-west Acid, Burnie. Trees east of plant killed but vigorous understory regrowth. Composite.
2	2/2/4/1/2	North-west Acid.
2	2/2/4/1/3	APPM and highly polluted Emu River, Burnie.
2	2/2/4/1/4	Table Cape, Wynyard.
2	2/2/4/1/5	Waratah: old concentration and falls.
2	2/2/4/1/6	Old Calcining plant and denuded area (SO <sub>2</sub> effect). Composite.
2	2/2/4/2	<b>Mount Bischoff.</b>



Box No	Archival Number	Description
2	2/2/4/2/1	View towards Waratah.
2	2/2/4/2/2	Mine area; some volunteer growth.
2	2/2/4/2/3	Mine area; some volunteer growth. (Different angle.) Composite.
2	<b>2/2/4/3</b>	<b>Savage River Mines.</b>
2	2/2/4/3/1	View of open pit, looking north. Composite.
2	2/2/4/3/2	Main waste dump at S.W. end of ore body.
2	2/2/4/3/3	Stockpile and concentrator.
2	2/2/4/3/4	Savage River Mines tailings dam.
2	2/2/4/3/5	Early view of SRM. (Postcard 98x149 mm. [Robin Smith.])
2	2/2/4/3/6	Rosebery Mill area.
2	<b>2/2/4/4</b>	<b>Rosebery.</b>
2	2/2/4/4/1	General view of town. Composite.
2	2/2/4/4/2	General view of mill. Composite.
2	2/2/4/4/3-4	Tailings dam with flume in foreground.
2	2/2/4/4/5	Flume head.
2	2/2/4/4/6	Flume, covered with celery-top pine slats.
2	<b>2/2/4/5</b>	<b>Queenstown, Mt Lyell.</b>
2	2/2/4/5/1-4	Queenstown views: mine and mill area. (Postcards.)
2	2/2/4/5/5-8	Queenstown: town and vegetation to the west. (Postcards.)
2	2/2/4/5/9-11	Eroded areas showing old tree stumps. (Two postcards and one colour photograph.)
2	2/2/4/5/12	Old open cut. (Postcard.)
2	2/2/4/5/13	Old open cut with Mt Owen and Gormanston. (Postcard.)
2	2/2/4/5/14-15	Tailings in Queens River running through town.
2	2/2/4/5/16-17	Mouth of King River with tailings delta. Macquarie Harbour.
2	2/2/4/5/18-20	Views around Queenstown.
2	2/2/4/5/21	Natural revegetation near Gormanston.
2	<b>2/2/4/6</b>	<b>Tasmania, April 1979 (P E Dawson).</b>

Box No	Archival Number	Description
2	2/2/4/6/1	CRAE store and office at Mt Bischoff.
2	2/2/4/6/2	Mt Bischoff looking east. Composite.
2	2/2/4/6/3	Savage River township. Composite.
2	<b>2/2/4/7</b>	<b>Cleveland Tin.</b>
2	2/2/4/7/1	Tailings dam wall and mine access.
2	2/2/4/7/2	Wigtruck (35 ton.)
2	2/2/4/7/3	Wagner truck (10 ton).
2	2/2/4/7/4	Adit on No 7 level horizon.
2	<b>2/2/4/8</b>	<b>Que River Prospect at end of Exploration Development Phase.</b>
2	2/2/4/8/1-4	Four views of plant.
2	2/2/4/8/5-6	Plant and discharge into dam.
2	<b>2/2/4/9</b>	<b>Rosebery (EZ).</b>
2	2/2/4/9/1	Effluent treatment. Composite.
2	<b>2/2/4/10</b>	<b>Tasmania, April 1979: Cleveland, Mt Bischoff, EZ Effluent treatment, Que River.</b>
2	2/2/4/10/1	Colour photograph of material and bulldozers.
2	2/2/4/10/2	Nineteen 35mm colour negatives.
2	<b>2/2/5</b>	<b><u>SULPHIDE CORPORATION, NSW.</u> From Album 5.</b>
2	<b>2/2/5/1</b>	<b>Sulphide Corporation, Cockle Creek, April 1974.</b>
2	2/2/5/1/1	Works, from main street of Boolaroo.
2	2/2/5/1/2	Sinter Plant: gas to electrostatic precipitator; wash tower; tip end pollution control; scrubber, moisture separator; fan; bank of recycle water dam.
2	2/2/5/1/3	Two acid plants with surge pond and slurry tanks for effluent.
2	2/2/5/1/4	S.W. dam for surface run-off, with underflow weir and skimmer - Boolaroo in background.
2	2/2/5/1/5	Surge pond for acid plant coolant and scrubber effluent outflow, with lime slurry tanks and control room.
2	2/2/5/1/6	Settling dams in outfall system.
2	2/2/5/1/7	Weir of No. 1 dam with control gates in background.

Box No	Archival Number	Description
2	2/2/5/1/8	Brian Carter-Smith with outflow and venturi flume volume gauge. Slurry tanks in background.
2	2/2/5/2	<b>Sulphide Corporation, April 1975.</b>
2	2/2/5/2/1	New sludge treatment plant (cooling pond and 30m clarifier in background).
2	2/2/5/2/2	Tip end scrubber installation.
2	2/2/5/2/3	Old sludge treatment plant, now treating non-acidic liquors.
2	2/2/5/2/4	Fan at bottom of 62.5m stack. Note noise attenuation shrouding.
2	2/2/5/2/5	70 metre stack. Composite.
2	2/2/5/2/6	Bottom of 70 metre stack.
2	2/2/5/2/7	Plant showing three stack sets.
2	2/2/5/2/8	Argenton monitoring site, plant in background.
2	2/2/5/2/9-10	Monitor site at end of 6th Street, Boolaroo.
2	2/2/5/2/11-12	Cockle Creek area with Newcastle beyond, November 1976. Aerials.
2	2/2/5/3	<b>Sulphide Corporation, 15-16 March 1977.</b>
2	2/2/5/3/1	Krebs pilot plant membrane scrubber for zinc refinery. N.B. clear flume at left, input through rusty pipe near centre.
2	2/2/5/3/2	Zinc refinery ventilation: scrubber No. 4.
2	2/2/5/3/3	Main Zinc refinery stacks.
2	2/2/5/3/4	Hot gas precipitators for Cd precipitation.
2	2/2/5/3/5	Compressor House: double concrete brick, no windows.
2	2/2/5/3/6-7	Dumped sinter (20% Pb): sulphating and leaching.
2	2/2/5/3/8	General view of works from east.
2	2/2/5/3/9	Sixth Street air quality monitoring station.
2	2/2/5/3/10	High volume sampler.
2	2/2/5/3/11	Boolaroo, Cockle Creek and SC, from hill approximately on SC boundary. Composite.
2	2/2/5/3/12	SC from hill.
2	2/2/5/3/13	Frank Storey, Ian Conley, Geoff Firkin, Brian C Smith.

Box No	Archival Number	Description
2	2/2/5/3/14	Looking SE to top of hills.
2	2/2/5/3/15	Trail bike damage at southern end.
2	2/2/5/3/16	Fran Storey, Geoff Firkin, Ian Conley, Brian C Smith, with <u>A. decurrens</u> .
2	2/2/5/3/17	Natural succession of <u>A. decurrens</u> and lantana in sheltered valley.
2	2/2/5/4	Woodsreef, N.S.W. May 1975.
2	2/2/5/4/1-3	Operations in north pit.
2	2/2/5/4/4	Drilling on bench in north pit. Dust collector on LH drill not being operated.
2	2/2/5/4/5	South pit.
2	2/2/5/4/6	South pit. Composite.
2	2/2/5/4/7	View of south pit and mill from tailings. Composite.
2	2/2/5/4/8	Low level inversion, 8 am.
2	2/2/5/4/9	Low level inversion, 8.05 am.
2	2/2/5/4/10	Two drier exhaust stacks, crusher vent stack. Driers with cyclones in foreground.
2	2/2/5/4/11	Tailings from mill area.
2	2/2/5/4/12-13	Silos with dust from displaced air and ex reclaim tunnel cyclones.
2	2/2/5/4/14	Tailings dump, looking north.
2	2/2/5/4/15	Tailings material: crust with moisture beneath.
2	2/2/5/4/16	Tailings slumping and dust from end of conveyor.
2	2/2/5/4/17	Watercourse from tailings, showing filter wall formed by southern dump.
2	2/2/5/4/18-19	Looking west from tailings dump: run off from tailings filters under south end of waste dump.
3	<u>2/2/6</u>	<u>WEIPA</u> . From Album 6.
3	2/2/6/1	Weipa, 27 April 1976.
3	2/2/6/1/1-2	Weipa Peninsula. Flood and regenerated areas, new township.
3	2/2/6/1/3-4	Rocky Point township and Mission River with bridge to Andoom. Andoom in distance.
3	2/2/6/1/5-7	Portsite and Albatross Bay, with stockpiles.

Box No	Archival Number	Description
3	2/2/6/1/8	Port from Weipa South.
3	2/2/6/1/9-10	Weipa South with regeneration in foreground.
3	2/2/6/1/11-12	Regeneration and natural forest.
3	2/2/6/1/13	Hay River, from Weipa South.
3	2/2/6/1/14	Native forest near Weipa South, chiefly <u>E. tetradonta</u> . Grass is subject to fire.
3	2/2/6/1/15	Mechanically-sown Acacia, five months old. Mostly <u>A aulacocarpa</u> and <u>A. lolocericia</u> . Jim Leggate, CSG, G Robertson.
3	2/2/6/1/16	Seedlings planted 15 months ago. Mixed belt along road to Weipa South. Grass spp. are volunteer.
3	2/2/6/1/17	Area planted 5 months ago, mixed species. May become future townsite.
3	2/2/6/1/18	Rows mechanically sown 5 months ago, <u>A aulacocarpa</u> . (???)
3	2/2/6/1/19	<u>Pinus caribea</u> with <u>Casuarina</u> , 15 months old, at Andoom.
3	2/2/6/2	<b>Trials at Andoom, planted December 1975.</b>
3	2/2/6/2/1	Cajanus (Pigeon Pea), 5 months old.
3	2/2/6/2/2	Teak, 5 months old.
3	2/2/6/2/3	Cassava, 5 months, varied fertilizer.
3	2/2/6/2/4	Cover crop of Cajanus with Brachiaria, at Weipa.
3	2/2/6/2/5	Brachiaria/Paspalum/Stylo sword 15 months old, with P & K at and soon after sowing. Andoom.
3	2/2/6/2/6	Control area at Andoom: no ripping, no fertilizer, not sown or planted, not burned.
3	2/2/6/2/7-8	Spreading overburden back on to mined area.
3	2/2/6/2/9	Flooded pit on Weipa peninsula.
3	2/2/6/2/10	Melaleuca in front of Albatross Hotel.
3	2/2/6/2/11	Loading bauxite, Andoom.
3	2/2/6/2/12	Pit before replacement of overburden.
3	2/2/6/2/13-14	Truck with new loader, Andoom.
3	2/2/6/3	Weipa South, October 1978.
3	2/2/6/3/1	Mrs Ida Hall and Mrs Alice Marks.

Box No	Archival Number	Description
3	2/2/6/3/2	Mrs Ida Hall outside her home, Weipa South.
3	2/2/6/3/3	Mrs Ida Hall, D F Fairweather, Mrs Alice Marks.
3	2/2/6/3/4	Mrs Ida Hall and D F Fairweather.
3	2/2/6/3/5	Roadmaking by aboriginal trainees. Patrick Savo, Tommy Hudson, Oscar Thompson.
3	2/2/6/3/6-21	Sixteen unidentified colour photographs of regenerating vegetation around Weipa. ???Check with I H-L.
3	<u>2/2/7</u>	<u>FORESTRY; HERON'S CREEK TIMBER MILLS.</u> From Album 7.
3	2/2/7/1	Gogol Timber Project, n.d.
3	2/2/7/1/1	Aerial view: rivers and old plantation area south of Gogol.
3	2/2/7/1/2	Aerial view: Gogol River and part of TRP area, looking west.
3	2/2/7/1/3	View of Gogol Valley from Amele Bluff.
3	2/2/7/1/4	Explaining to children at Amele Bluff School why 35 Australians were borrowing their view.
3	2/2/7/1/5	Area intensively logged March 1974. Fourteen months natural regeneration. Wet site.
3	2/2/7/1/6	Area logged January 1975. Note selective harvesting on steeper slopes. "Extensive" (i.f.(???) natural) regeneration. Logging ramp area in foreground was used during wet season.
3	2/2/7/1/7	Areas logged January 1975 and planted with <u>E. deglupta</u> , March 1975.
3	2/2/7/1/8	Areas logged January 1975 and planted with <u>E. deglupta</u> , March 1975. No site preparation on L., sull (?) site preparation on R., including salvage of timber. Composite.
3	2/2/7/1/9-10	Waguma area snagging and handling logs.
3	2/2/7/1/11	Waguma area, logged April 1975. Note raised roadway on low grey soil river terrace.
3	2/2/7/1/12	New road, Sihan village on left.
3	2/2/7/1/13-14	Disturbed wet area at Waguma.
3	2/2/7/1/15	Road erosion.
3	2/2/7/1/16	Three-and-a-half-year-old <u>E. deglupta</u> at loggers' base camp.

Box No	Archival Number	Description
3	2/2/7/1/17	Wet site logged December 1973, <u>Anthocephalus</u> (centre) and <u>E. deglupta</u> (R) regenerating.
3	2/2/7/1/18	Fertilizer trial on wet site: <u>E. Tereticorris</u> .
3	2/2/7/2	<b>Gogol Timber Project: December 1972 plantings on simulated logged and compacted sites on old flood plain.</b>
3	2/2/7/2/1	<u>E. deglupta</u> up to 20m high at 2-1/2 years. No site preparation; 3.5m spacing.
3	2/2/7/2/2	<u>Anthocephalus</u> up to 15m high at 2-1/2 years. Jant Mill, Madang. Settling pond for surface run-off, with teppee burners.
3	2/2/7/3	<b>Heron's Creek Timber Mills, April 1974.</b>
3	2/2/7/3/1	View of Heron's Creek: mill; settlement; smoke from charcoal plant; Heron's Creek.
3	2/2/7/3/2	Smoke from charcoal plant pot burners.
3	2/2/7/3/3	Wauchope mill, open burning.
3	2/2/7/3/4	Outlet from conditioner and driers, with earth settling pond.
3	2/2/7/3/5	Sampling downstream at effluent outfall.
3	2/2/7/3/6	Old quarry dump for borax effluent. Full after heavy rains. Composite.
3	2/2/7/3/7	Cleared and graded area near mill. Blackbutt seedlings planted in drained lands.
3	2/2/7/3/8	Fertilized one-year old blackbutt seedlings.
3	2/2/7/3/9	Older blackbutt saplings, with mixed forest behind.
3	2/2/7/3/10	Forests Commission blackbutt planting after clear felling and burning windows. Mt Cairncross in background.
3	2/2/7/3/11	Mature blackbutt in Cooperook Forest Park.
3	2/2/7/3/12	Forests Commission: regeneration after clear felling near Bulahdelah.
3	2/2/7/4	<b>Heron's Creek Visit, 9-12 November 1976.</b>
3	2/2/7/4/1-2	Aerials. Queen's Lake and North Brother, with Heron's Creek in right foreground.
3	2/2/7/4/3	Aerial. Queen's Lake and Heron's Creek.
3	2/2/7/4/4	Aerial. Kendall and Kew, with North Brother and Watson Taylors Lake beyond.

Box No	Archival Number	Description
3	2/2/7/4/5	Aerial. Camden Haven - Laurieton from Queens Lake.
3	2/2/7/4/6	Aerial. Laurieton and North Brother, Diamond Head beyond.
3	2/2/7/4/7	Aerial. Watson Taylors Lake and Diamond Head. HCTM (?) forest in centre and at right.
3	2/2/7/4/8	Aerial. Area south of Watson Taylors Lake. National Park towards coast, with AMA dredge operating on foredune.
3	2/2/7/4/9	Aerial. Camden Haven River flowing into Watson Taylors Lake. Highway in foreground.
3	2/2/7/4/10	Forest on Middle Brother. Aerial.
3	2/2/7/4/11	Aerial. Jolly Nose Hill, Queens Lake State Forest.
3	2/2/7/4/12	Aerial. South end of State Forest adjoining Queens Lake.
3	2/2/7/5	<b>Views from on top of North Brother.</b>
3	2/2/7/5/1	View of Jolly Nose Hill in Queens Lake SF; North Haven; Camden Head; Queens Lake; Laurieton. Composite.
3	2/2/7/5/2	View of Diamond Head; South Brother; Middle Brother; Watson Taylor Lakes; Camden R. Composite.
3	2/2/7/5/3	View of Middle Brother; Kendall; Camden Haven R; Kew. Composite.
3	2/2/7/5/4	Top of North Brother; planted <u>E. pilularis(???)</u> and <u>Laeropinea</u> . Shelter and picnic area beyond.
3	2/2/7/5/5	North Brother from Middle Brother.
3	2/2/7/5/6	South Brother from Middle Brother.
3	2/2/7/5/7	South Brother from West.
3	2/2/7/5/8	South Brother from Moorland.
3	2/2/7/5/9	South Brother from east, on highway.
3	2/2/7/5/10	Top of South Brother; crown land.
3	2/2/7/5/11	South and Middle Brothers from Crowdy Head.
3	2/2/7/5/12	Middle Brother; Forest Commission blackbutt plantation in State Forest on west side. National Forest beyond.
3	2/2/7/5/13	Bird tree reserve on Middle Brother.



Box No	Archival Number	Description
3	2/2/7/5/14-17	Recent logging on Middle Brother. Local disturbance of undersorey takes two years to disappear.
3	2/2/7/5/18	Plantation at Heron's Creek, 4-year old blackbutt.
3	2/2/7/5/19	Bill Rutter with 3-4 year old blackbutt.
3	2/2/7/5/20	Two-year old blackbutt at Heron's Creek.
3	2/2/7/5/21-22	Taree Mill: chipper in acoustic shrouded building with double bins beyond. Sawdust bin and truck on right.
3	2/2/7/5/23	Chip bins at Taree.
3	2/2/7/5/24	Wauchope Mill, burning enclosures.
3	2/2/7/5/25	Cairncross forest, 1971 blackbutt plantings in foreground, 5-7m high. Composite.
3	2/2/7/5/26-27	Cairncross new planting, 2-1/2 - 3 year old blackbutt with associated flora.
3	<u>2/2/8</u>	<u>KEMBLA COAL &amp; COKE (KC&amp;C).</u> From Album 8.
3	2/2/8/1	Coalcliff Collieries, August 1974.
3	2/2/8/1/1	Landfill, clean beach with parking area, safety tank.
3	2/2/8/1/2	Stockpile, with damaged vegetation above coke ovens behind.
3	2/2/8/1/3	Eastern and Western Gullies.
3	2/2/8/1/4	Coke ovens with early-type common flues.
3	2/2/8/1/5	Coke ovens with new type overhead common flues.
3	2/2/8/1/6	Darkes Forest Mine.
3	2/2/8/1/7	View of Darkes Forest winding tower, east.
3	2/2/8/1/8	View from Darkes Forest winding tower, west.
3	2/2/8/1/9	Western Gully.
3	2/2/8/1/10	Western Gully. Composite.
3	2/2/8/1/11	Top of Western Gully: Don Thomas, CSC, Dick Austin. Composite.
3	2/2/8/1/12	Maddens Plain area.
3	2/2/8/1/13	South Coast with South Clifton Colliery.
3	2/2/8/1/14	Original Colliery entrance and 'works area'.

Box No	Archival Number	Description
3	2/2/8/1/15	Looking south to office.
3	2/2/8/2	<b>Westcliff, August 1974.</b>
3	2/2/8/2/1	Shaft and headframe, looking west. NB refuse dumped beyond.
3	2/2/8/2/2	Clean site, with areas for change rooms and workshops/stores. Composite.
3	2/2/8/3	<b>Kembla Coal &amp; Coke, 13 April 1977.</b>
3	2/2/8/3/1	Coalcliff. Composite.
3	2/2/8/3/2	Westcliff: mainshaft, washery, screenhouse and product bins. Composite.
3	2/2/8/4	<b>Westcliff, n.d.</b>
3	2/2/8/4/1	Run-off treatment plant; NB straw. Decants to silt trap dam.
3	2/2/8/4/2	Westcliff mine site with product bins.
3	2/2/8/4/3	Workshop and store at southern site draft head. Landscaped, grassed and planted.
3	2/2/8/4/4	Building and storage area being built up from 400,000m <sup>3</sup> of washery refuse, near workshops.
3	2/2/8/4/5	Drift head.
3	2/2/8/4/6	Borrow pit near workshop: grassed and planted.
3	2/2/8/4/7	Brennan's Creek near drift head, below storage area. Silt trap dam beyond.
3	2/2/8/4/8	Regenerated (hydromulched) area below Westcliff water supply dam.
3	2/2/8/4/9	70 Ml water supply dam on Brennan's Creek. Composite.
3	2/2/8/5	<b>Maddens Plain.</b>
3	2/2/8/5/1-2	Western Gully washery refuse dump with silt trap dam and descent to creek.
3	2/2/8/5/3	Topsoiled and grassed area.
3	2/2/8/5/4	View from catch dam to dumpface.
3	2/2/8/5/5	2-1/2 year old trial plots on 2.5m of washery refuse plus 15cm topsoil. Good growth.
3	2/2/8/5/6	Four year old hydromulch on dam wall and borrow pit beyond.

Box No	Archival Number	Description
3	2/2/8/5/7	Sand eroded from DMR highway development, over 12,000m <sup>3</sup> in Coalcliff dam.
3	2/2/8/5/8-9	KC&C product stockpile at Port Kembla harbour. Five metre berms with monitor sprays.
3	2/2/8/5/10	Australian Iron & Steel, Port Kembla. Plant. Composite.
3	2/2/8/6	<b>Coalcliff: Waste dump progressing.</b>
3	2/2/8/6/1	Aerial. Coalcliff, January 1975.
3	2/2/8/6/2	Aerial. Coalcliff, June 1974.
3	2/2/8/6/3-4	Aerials. Waste dump progressing. 9/6/77.
3	<u>2/2/9</u>	<u>BOUGAINVILLE COPPER LTD.</u> From Album 9, 1 of 3.
3	2/2/9/1	<b>Bougainville Copper, May 1974.</b>
3	2/2/9/1/1	View eastwards to mine: workshops, pit, waste dumps, conveyor and coarse stockpile. Composite.
3	2/2/9/1/2	Crusher and concentrators. Kawerong Creek and coast in distance. Composite.
3	2/2/9/1/3	Mine pit looking west to Kawerong Creek. Lower waste dump and coarse ore conveyor in background.
3	2/2/9/1/4	Pit face.
3	2/2/9/1/5	Upper waste dump and haul road.
3	2/2/9/1/6	Lower waste dump with lysimeters in foreground.
3	2/2/9/1/7-8	Waste dump tailings plots with lysimeters.
3	2/2/9/1/9-10	Slumping from lower waste dump into Kawerong Creek.
3	2/2/9/1/11	Alluvial waste and levee; junction of Kawerong and Jaba River. Fan delta of coarse alluvial grading to fines in distance.
3	2/2/9/1/12	On Jaba River near Mananau.
3	2/2/9/1/13	Bill Davis and monitoring station on Jaba River at Mananau.
3	2/2/9/1/14	Helicopter landing at Mananau.
3	2/2/9/1/15	Jaba River below Mananau.
3	2/2/9/1/16	Jaba River: braided stream pattern on tailings.
3	2/2/9/1/17	Village on Pangara River. Jaba in background.

Box No	Archival Number	Description
3	2/2/9/1/18	Junction of Pangara and Jaba Rivers. Coast in background.
3	2/2/9/1/19	New mouth of Jaba River, Empress Augusta Bay.
3	2/2/9/1/20	New and old deltas in Bay.
3	2/2/9/1/21	Jaba Village, looking towards mine.
3	2/2/9/1/22	Old Jaba River, with new delta, looking south.
3	2/2/9/1/23	Outflow from new delta.
3	2/2/9/1/24	'Mangroves' and Phragmites in old delta. Young Casuarinas behind. Older trees mark the original coastline.
3	2/2/9/1/25-26	Aerial views of Jaba River from F27 en route to Port Moresby.
3	2/2/9/1/27	Mt Bagara with SO <sub>2</sub> plume. Road cutting.
3	2/2/9/1/28	Vegetation cover on road cutting.
3	2/2/9/1/29	Road cutting further down. Trees established.
3	2/2/9/1/30	First two settling ponds at port: lime storage in background.
3	2/2/9/1/31	Effluent from the two dams.
3	2/2/9/1/32	Third catch dam and outflow to bay.
3	2/2/9/1/33	Port storage shed, power station, Mt Negrohead. Mine is over the ridge on left.
3	2/2/9/1/34-35	Views from bungalow at Tokaian Research Station. Bill Davis and Alan Hartley.
3	2/2/9/1/36-37	Tokaian Research Station: nursery and greenhouse.
4	2/2/9/2	<b>Bougainville, March 1975, CSC.</b>
4	2/2/9/2/1	Earthworks to divert Kawerong River.
4	2/2/9/2/2	New channel for Kawerong on top of waste.
4	2/2/9/2/3	Kawerong River and waste dumps.
4	2/2/9/2/4	Jaba deposits below junction with Kawerong.
4	2/2/9/2/5	Jaba at Manan. Dead trees opposite are in creek dammed by sediments.
4	2/2/9/2/6	Jaba below Mananau.
4	2/2/9/2/7	Near mouth of Jaba River.

Box No	Archival Number	Description
4	2/2/9/2/8	Stan Dempsey of Amex at new mouth of Jaba. Barley and millet growing on deposits.
4	2/2/9/2/9	Barnyard grass, planted Rhizophora, volunteer Sonneratia.
4	2/2/9/2/10	Alan Hartley, Stan Dempsey & Bob Kendrick. Volunteer Sonneratia and grass.
4	2/2/9/2/11	Barnyard grass and planted Rhizophora.
4	2/2/9/2/12	Barnyard grass, phragmites and volunteer Sonneratia with pneumatophores.
4	2/2/9/2/13	Pig pens: pigs feed on sweet potatoes and meat meal.
4	2/2/9/2/14	Poultry demonstration unit.
4	2/2/9/2/15	Jaba crossing near pump station, site of threatened diversion by Indigenes.
4	2/2/9/3	Bougainville, April 1975.
4	2/2/9/3/1-2	Aerials: Port-Mine access road, with new PWD road north.
4	2/2/9/3/3-4	Aerials of Arawa town.
4	2/2/9/3/5-6	Aerials. South of Awara.
4	2/2/9/3/7	Aerial of Arawa airport.
4	2/2/9/3/8	Revegetation along port-mine access road.
4	2/2/9/3/9-10	Revegetation along port-mine access road.
4	2/2/9/3/11-12	Pinei River - clear.
4	2/2/9/3/13	Aerial of Panguna.
4	2/2/9/3/14	Aerial of concentrator.
4	2/2/9/3/15	Aerial: New diversion for Kawerong River with tailings flume above.
4	2/2/9/3/16	Present tailings stream from concentrator.
4	2/2/9/3/17	Nine month old <u>Casuarina gracillinum</u> and avocados on berm of waste material.
4	2/2/9/3/18	Upper waste dump with avocados in foreground.
4	2/2/9/3/19	Decomposed waste rock on L., imported soil on R.
4	2/2/9/3/20	Overview of the tailings plots: legumes in foreground, then unsorted tailings with grass, berm with avocados and Casuarina, then coarse fraction with bananas and eucalypts.

Box No	Archival Number	Description
4	2/2/9/3/21	CSC and Pat Gilles with four month old <u>E. tereticornis</u> and some grass in coarse tailings.
4	2/2/9/3/22	Banana and eucalypts in coarse tailings.
4	2/2/9/3/23	Kawerong River eroding waste dump.
4	2/2/9/3/24-25	Kawerong River. (Different views.)
4	2/2/9/3/26	Junction of Jaba and Kawerong Rivers in foreground.
4	2/2/9/3/27	Regeneration on sediments, Jaba River.
4	2/2/9/3/28	Regeneration along lower Jaba River.
4	2/2/9/3/29-30	Lower Jaba showing area proposed for three tailings coupes.
4	2/2/9/3/31-32	Lower Jaba looking west over tailings coupe area which starts at the narrow gap (arrowed).
4	2/2/9/3/33-34	Jaba delta.
4	2/2/9/3/35	Old Jaba delta, showing colonized sediments and extent of seaward erosion.
4	2/2/9/3/36	New Jaba delta, showing river course and groundwater seepage on near side of delta.
4	2/2/9/3/37	Jaba Delta base camp.
4	2/2/9/3/38	Commuter service.
4	2/2/9/3/39	Looking north to Mt Bagara.
4	2/2/9/3/40	Quadrant 3x3m with CSC, Alan Hartley and Pat Gilles.
4	2/2/9/3/41	Ten-month old <i>Sonneratia</i> in middle distance, <i>Rhizophora</i> and <i>Brugiera</i> propagules just planted in lines across sediment strata.
4	2/2/9/3/42	Sandy ridge with <i>Casuarina</i> seedlings.
4	2/2/9/3/43	Algal layer moved by tide. Some volunteer <i>Sonneratia</i> .
4	2/2/9/3/44	Algal bloom with Alan Hartley showing black organic layer.
4	2/2/9/3/45	Mature <i>Rhizophora</i> .
4	2/2/9/3/46	Port Moresby harbour, with John Womersley, Alan Hartley, CSC and others.

Box No.	Archival Number	Description
	<u>2/2/10</u>	<u>BOUGAINVILLE COPPER LTD.</u> Album 2 of 3.
4	2/2/10/1	Bougainville, September 1976.
4	2/2/10/1/1	East side of pit, showing new diversion channel for surface water above Camp 1.
4	2/2/10/1/2	New Upper Kawerong diversion channel, upper waste dump on left.
4	2/2/10/1/3-4	End of diversion channel, with tailings flume entering. Work on new water pipe access in left foreground.
4	2/2/10/1/5	End of diversion channel and tailings flume.
4	2/2/10/1/6	New lower waste dump and Jaba Road. N.B.: Cu-bearing leachate form dump in old river bed.
4	2/2/10/1/7	Kawerong River plus tailings rejoining old river bed.
4	2/2/10/1/8	View of dump and slope revegetation, from Jaba Road.
4	2/2/10/1/9	<u>Hormidium fruitans</u> filamentous green alga, 11.5% Cu, dry weight.
4	2/2/10/1/10-11	Algal beds in copper-laden leachate from waste dumps.
4	2/2/10/1/12	Gauging and sediment station in Buraburai, upstream of Mananau.
4	2/2/10/1/13	Gauging station on the Pangara River, unattended.
4	2/2/10/1/14	Gauging station on the Pangara River, unattended. Composite.
4	2/2/10/1/15	Kawerong River cutting into previous sediments about 1 km downstream from diversion channel outfall.
4	2/2/10/1/16	Kawerong River, about 2-3km downstream from outfall.
4	2/2/10/1/17	Kawerong River near Jaba confluence.
4	2/2/10/1/18	Kawerong River at Jaba confluence, with bund. Pump station in background, Jaba River on right.
4	2/2/10/1/19	Middle of Jaba River showing alignment cut for new road.
4	2/2/10/1/20	Mouth of Jaba with recently-formed meanders.
4	2/2/10/1/21-22	Mouth of Jaba River and delta.
4	2/2/10/1/23	Jaba delta and camp.
4	2/2/10/1/24-25	Jaba delta. [Different views.]

Box No.	Archival Number	Description
4	2/2/10/1/26	Crossing Jaba mouth.
4	2/2/10/1/27	Ten-month old <u>Rhizophora</u> with 20-50cm of sediment from April or July floods.
4	2/2/10/1/28	Phragmites and debris on delta.
4	2/2/10/1/29	Coconut, <u>Rhizophora</u> and debris on Delta. Small <u>Brugiera</u> near Alan Hartley.
4	2/2/10/1/30	<u>Rhizophora apiculata</u> 18 months old, Paspalum and <u>Sonneratia</u> about 2 months old.
4	2/2/10/1/31	Revegetation on port-mine access road at high altitude, creeping <u>Selaginella</u> .
4	2/2/10/1/32	Houses in upper Panguna.
4	2/2/10/1/33	Panguna, looking towards primary stockpiles.
4	2/2/10/1/34	Exotics, Panguna.
4	2/2/10/1/35	Remnant of old tailings plots with Minenco offices and lysimeters.
4	2/2/10/1/36	Alan Hartley with <u>E. tereticornis</u> , 21 months.
4	2/2/10/1/37	Alan with <u>E. deglupta</u> , 21 months old.
4	2/2/10/1/38	Upper waste dump with new R170. Early nutrient trials in foreground.
4	2/2/10/1/39	Jaba River tailings plots. Jaba River on left, Kawerong on right.
4	2/2/10/1/40	<u>E. tereticornis</u> at 5 metre spacing, with <u>Saccharum robustum</u> in rows between.
4	2/2/10/1/41	Peat pots in tailings, dried out and no root penetration.
4	2/2/10/1/42	Older trial at 10m spacing: 3 levels of N, 3 levels of triple super.
4	2/2/10/1/43-44	Loloho: BCL chartered vessel unloading stores from USA at main wharf.
4	2/2/10/1/45	Loloho: wharf, power station and oil tanks.
4	2/2/10/1/46	Marine biology DH Trojan boat at Loloho.
4	2/2/10/1/47	Julian Powell with echo sound and radar.
4	2/2/10/1/48	Doug Hinkfuss and Robyn Powell.
4	2/2/10/1/49	Julian and Doug at Zeunes.



Box No.	Archival Number	Description
4	2/2/10/1/50	One of Zeune Islands showing <u>Casuarina littoralis</u> at southern tip.
4	2/2/10/102 2/2/10/2	Bougainville Copper Ltd., 7-9 November 1977.
4	2/2/10/2/1-4	Mine area.
4	2/2/10/2/5-6	Lower waste dumps in Kawerong Valley. Cementation plant near road in centre.
4	2/2/10/2/7	Upper south waste dump.
4	2/2/10/2/8	Upper north waste dump with village, tailings flume and batter covered with Desmodium. Scrap R105's in centre.
4	2/2/10/2/9	Village relocated on north upper waste dump.
4	2/2/10/2/10-11	Tailings flume and emergency pipeline. N.B. standing waves in flume.
4	2/2/10/2/12	Kawerong Valley below waste dumps.
4	2/2/10/2/13	Clearing bunch of volcanic ash for waste dump extension.
4	2/2/10/2/14	Ash forming mudslide above road.
4	2/2/10/2/15	Ash mudslide on left, bridge in centre.
4	2/2/10/2/16	Main tailings discharge into valley.
4	2/2/10/2/17-18	New bridge for high pressure water pipe before and after 24 hours build-up of material eroded by temporary tailings diversion. Vertical build-up of about 2m.
4	2/2/10/2/19	Site of SX plant.
4	2/2/10/2/20	Collection of leachate with 450ppm Cu at base of waste dump.
4	2/2/10/2/21	Roger Higgins and CSC with coarse scrap, waste dumps beyond.
4	2/2/10/2/22	Cementation launders, overflow.
4	2/2/10/2/23	Inflow to launders, copperised scrap.
4	2/2/10/2/24	Top of launders, with scrap.
4	2/2/10/2/25-26	Work at portal of pit drainage tunnel, showing large levee to divert river.
4	2/2/10/2/27	Upper Kawerong showing new technical branch buildings in centre, pink palace on left.
4	2/2/10/2/28	New light vehicle workshops.

Box No.	Archival Number	Description
4	2/2/10/2/29	Works on river above X10.
4	2/2/10/2/30	Kuneka Creek blocked by sediments.
4	2/2/10/2/31	Alignment of Kuneka Creek diversion to Pangara.
4	2/2/10/2/32	Felling timber likely to be killed by sediment accumulation.
4	2/2/10/2/33	View from north of delta, old course of Jaba in foreground.
4	2/2/10/2/34	Delta from north.
4	2/2/10/2/35-36	Delta from west, looking upriver.
4	2/2/10/2/37-40	Dune ridges with <u>Casuarina</u> (?) on south end of Jaba Delta.
4	2/2/10/2/41	Jaba Delta camp.
4	2/2/10/2/42	North end of delta.
4	2/2/10/2/43	Delta from south showing tailings plume drifting south inshore.
4	2/2/10/2/44-46	Waste dump tailings plots with Alan Hartley and CSC. Thirty-four month old <u>E. deglupta</u> doing better than <u>E. tereticornis</u> , with <u>Desmodium</u> forming low thickets. Some volunteer <u>Trema</u> , ferns and <u>E. deglupta</u> seedlings.
4	2/2/10/2/47	Alan with relocated lysimeters.
4	2/2/10/2/48-51	Tailings plots at X10, Jaba-Kawerong confluence. Levee retaining Kawerong now about 10m high.
4	2/2/10/2/52	CSC and Alan Hartley with <u>Casuarina</u> showing adverse effect from liming, healthy <u>Acacia</u> behind.
4	2/2/10/2/53	CSC and Alan Hartley with small <u>Terminalia</u> , amongst <u>Saccharum</u> .
4	2/2/10/2/54	Course of breakout through levee.
4	2/2/10/2/55	Alan with <u>Trema</u> seedling showing nodulation.
4	2/2/10/2/56-57	Pangara River hydrology station with monitoring vessel and automatic level recorder.
4	2/2/10/2/58-59	Hoisting cage with young <u>Tilapia</u> from Pangara billabong.
4	2/2/10/2/60-62	Jacob Simiha weighing, measuring and recording data for young <u>Tilapia</u> .
4	2/2/10/2/63	Robyn Powell and assistant on Trojan boat.

27.

Box No.	Archival Number	Description
4	2/2/10/2/64-65	Eroding shoreline south of delta, Bell 2068.
4	2/2/10/2/66	Trojan boat offshore.
4	2/2/10/2/67	Stainless steel radar reflector on delta.
4	2/2/10/2/68	CSC and Robyn Powell with Martele.
4	2/2/10/2/69	Jacob and Robyn with bottom grab for benthos.
4	2/2/10/2/70-71	Jacob with bottom sediment sampler.
	<u>2/2/11</u>	<u>BOUGAINVILLE COPPER LTD.</u> Album 3 of 3.
4	2/2/11/1	Bougainville, 25 November - 1 December 1978.
4	2/2/11/1/1-4	Revegetation along road above mine: early successional stage on rock (moss and lichen), Desmodium and grass, varied and low thicket with tree ferns.
4	2/2/11/1/5	Houses at Arawa.
4	2/2/11/1/6	Houses at Panguna.
4	2/2/11/1/7	New small flats at Panguna.
4	2/2/11/1/8	Kieta Harbour and Kieta.
4	2/2/11/1/9	Crown Prince Range from east coast.
4	2/2/11/1/10	Loloho - drier and concentrate loading.
4	2/2/11/1/11	Loloho - power station.
4	2/2/11/1/12	Mine and haulroad. Composite.
4	2/2/11/1/13	Mine from Kawerong Valley.
4	2/2/11/1/14	Cementation plant, pipe bridge, Jaba road (cut) and Pirurari Village.
4	2/2/11/1/15	Dumps showing New Dapera, concentrator, workshops, and cementation plant.
4	2/2/11/1/16	New Dapera Village behind tailings line and north channel (obscured by bund).
4	2/2/11/1/17-18	Ridge east and north channel extension.
4	2/2/11/1/19-22	Kuneka diversion to Pangara.
4	2/2/11/1/23	Western end of Kuneka diversion.
4	2/2/11/1/24	Bato log bridge 27 November - water banked up and flowing across road towards Kuneka Creek.

Box No.	Archival Number	Description
4	2/2/11/1/25-26	Bato bridge after floods, 30 November, southern span washed away.
4	2/2/11/1/27-29	Jaba delta, south side, showing dune ridges with established <u>Casuarina</u> and near-shore dune.
4	2/2/11/1/30	<u>Sonneratia</u> and grasses established on north side of delta.
4	2/2/11/1/31-32	North side of delta showing extensive grass cover with volunteer <u>Sonneratia</u> and planted <u>Rhizophoraceae</u> on right.
4	2/2/11/1/33	General view out to sea.
4	2/2/11/1/34	Small dune near river mouth.
4	2/2/11/1/35	North end of delta showing re-worked sediment from old delta beyond.
4	2/2/11/1/36	Plantings near established vegetation.
4	2/2/11/1/37-38	Planted <u>Rhizophoraceae</u> among grass and volunteer <u>Sonneratia</u> in front of old Jaba village.
4	2/2/11/1/39	Baraburai hydrographic station.
4	2/2/11/1/40	Kawerong River: Jaba road washed out.
4	2/2/11/1/41	River at X10 after flood.
4	2/2/11/1/42	Levee at X10 during floods, 27 November.
4	2/2/11/1/43-44	First flush through Mine Training College, 28 November.
4	2/2/11/1/45	Inside [flooded] Mine Training College.
4	2/2/11/1/46	Gutter at back of Hydrology.
4	2/2/11/1/47-48	Electrical workshops early in downpour.
4	2/2/11/1/49-50	The flow increases.
4	2/2/11/1/51	Mine Training College and main workshop, late in morning.
4	2/2/11/1/52	Kawerong River.
4	2/2/11/1/53	Start of North Channel.
4	2/2/11/1/54	Kawerong River, previous day, 27 November.
4	2/2/11/1/55-57	Tanango Creek (in flood).
4	2/2/11/1/58-59	Kupei Road - water damage and power lines down. Bailey Bridge remained intact the following day.

Box No.	Archival Number	Description
4	2/2/11/1/60-61	Kawerong and tailings flowing over boulder terrace material into old river bed.
4	2/2/11/1/62-63	Pipe bridge, Jaba Road becoming precarious.
4	2/2/11/1/64-65	Pipe Bridge being threatened by boulders.
4	2/2/11/1/66	Pipe bridge being threatened by boulders. [Different view.]
4	2/2/11/1/67-69	Attempts to cut a new channel, 28 November.
4	2/2/11/1/70	Leachate from dumps, 28 November.
4	2/2/11/1/71	Pipe bridge on 29th with new channel on left.
4	2/2/11/1/72	Pipe bridge on 30th from north.
4	2/2/11/1/73-74	Erosion near new flats, 29 November.
4	2/2/11/1/75	R105 and Kawerong Haus.
4	2/2/11/1/76	Armouring bend.
4	2/2/11/1/77-78	R105s on Kupei Road, Panguna.
4	2/2/11/1/79-80	Tanango Creek: new channel cut across sports field, 29-30 November.
4	2/2/11/1/81-82	Armouring Kawerong bank with R105 truck bodies.
4	2/2/11/1/83-84	New-look Jet Ranger on new base helipad, with hangar trolley.
4	2/2/11/2	<b>Bougainville Copper Ltd., May 1979. (D F Fairweather.)</b>
4	2/2/11/2/1-3	Panorama from helipad: upper waste dumps and Kawerong Valley, ridge E on right. Composite.
4	2/2/11/2/4	North channel, from helipad.
4	2/2/11/2/5	Pit.
4	2/2/11/2/6-7	Pipe bridge over Kawerong River, with new concrete foundation on north side.
4	2/2/11/2/8	Removing boulders from levee.
4	2/2/11/2/9	X10: Kawerong River with levee and Jaba River with pump station.
4	2/2/11/2/10	Jaba River with bridge and pump, Kawerong River beyond.
4	2/2/11/2/11	Jaba River, levee on right.
4	2/2/11/2/12	Old X10 vegetation plots.

Box No.	Archival Number	Description
4	2/2/11/2/13-14	Kuneka Creek diversion.
4	2/2/11/2/15	Jaba Delta.
	<u>2/2/12</u>	<u>HAMERSLEY IRON 1976.</u> From Album 12 (1 of 2).
4	2/2/12/1	Tom Price, 20 July 1976.
4	2/2/12/1/1	Town and mine; airstrip on right. Aerial.
4	2/2/12/1/2	Aerial. Town and mine; airstrip lower left.
4	2/2/12/1/3	Composite of mine and plant: (R) offices and maintenance; low grade fines, site of tailings thickener; (C) stockpiles, secondary crusher, lowgrade fines, site of concentrator; (L) primary crusher, site of No. 4 stockpile.
4	2/2/12/1/4	Site of tailings dam, from NW haul road. Composite.
4	2/2/12/1/5	Downstream (west) side of NW haul road.
4	2/2/12/1/6	NW deposit on left, west pit - final shape of north slope above NW haul road. Tailings site beyond.
4	2/2/12/1/7	Main pit area, north-east prong (undeveloped), and SE prong development.
4	2/2/12/1/8	Detrital lump material south of Prongs. Mining finished 16 months ago, some volunteer vegetation.
4	2/2/12/1/9	Assembling two Terex 3200B Haulpaks, 230t.
4	2/2/12/2	Paraburdoo, 20 July 1976.
4	2/2/12/2/1	Stockpiles, trainloader, rail loop. Part is disturbed area, part naturally devegetated on detrital plain. Composite.
4	2/2/12/2/2	Costeans for burying dust pegging material and industrial rubbish.
4	2/2/12/2/3	Natural area to south.
4	2/2/12/2/4	Primary stockpile with main plant area and watered lawns. Volunteer vegetation in foreground, mainly <u>Ptilotus</u> . Composite.
4	2/2/12/2/5	Wind erosion in NW corner.
4	2/2/12/2/6	Volunteer vegetation, <u>Ptilotus</u> and grasses.
4	2/2/12/2/7-8	Three-year old shrub growth (7 species) on fine crushed rock heap. Waste dump in background. CSC, Bob Brooks, Ken Piggott.
5	2/2/12/3	Hamersley Iron, Dampier, 21 July 1976.

Box No.	Archival Number	Description
5	2/2/12/3/1	Ell stockpiles and loader. Dampier Salt beyond. Composite.
5	2/2/12/3/2	Parker Point, pellet plant and Dampier. Withnell Bay over hill at left.
5	2/2/12/3/3	HI's Ell shiploader and stockpiles, from Dampier Salt shiploader. Composite.
5	2/2/12/3/4	Dampier Salt's dry salt stockpile, from shiploader.
5	2/2/12/3/5	Dry salt stockpile with dust effects.
5	<b>2/2/12/4</b>	<b>Karratha Station, 19 July 1976.</b>
5	2/2/12/4/1	Wolf Martinick and Chris Christian. Bloodwood and hard spinifex.
5	2/2/12/4/2	Grazed buffell grass and ungrazed Wandarrie grasses.
5	2/2/12/4/3	Main part of station, looking towards homestead.
5	2/2/12/4/4	Wolf, Chris and Reg Godlonton near southwestern boundary.
	<u>2/2/13</u>	<u>HAMERSLEY IRON, 1977.</u> From Album 13 (2 of 2).
5	<b>2/2/13/1</b>	<b>Paraburdoo, 14 September 1977.</b>
5	2/2/13/1/1-2	Aerial view of mine and town.
5	2/2/13/1/3	Benches and drills.
5	2/2/13/1/4	Waste dump and Ashburton River.
5	2/2/13/1/5	Primary stockpile, secondary crushers etc. Baghouse for conveyor tunnel in foreground. N.B.: water spray on conveyor discharge. Composite.
5	2/2/13/1/6	Stockpiles and train loadout.
5	2/2/13/1/7	Train loadout with Ipomoea creeper.
5	2/2/13/1/8-10	Loading: dusty conditions. (Different views.)
5	2/2/13/1/11	Approaching primary crusher.
5	2/2/13/1/12	Tipping into primary crusher: water sprays suppressing most dust, but new high level ones not yet operational.
5	2/2/13/1/13	Willy-willy near maintenance area.
5	2/2/13/1/14-15	Local stock grazing lawn near labs. and secondary crusher.
5	<b>2/2/13/2</b>	<b>Tom Price, 15 September 1977.</b>

Box No.	Archival Number	Description
5	2/2/13/2/1	Main pit and prongs area. Composite.
5	2/2/13/2/2	Looking towards plant and town. Composite.
5	2/2/13/2/3	BE 61R drill with dust. Composite.
5	2/2/13/2/4-5	Drill using more water during operation.
5	2/2/13/2/6	Marion shovel loading trucks.
5	2/2/13/2/7	P & H shovel loading in dusty area.
5	2/2/13/2/8	Baghouse on conveyor tunnel.
5	2/2/13/2/9	Dust in plant area. (Paraburdoo).
5	2/2/13/2/10	Concentrator site, with plant and stockpiles. New mine control centre in distance. Composite.
5	2/2/13/2/11	Tailings dam site. Composite.
5	2/2/13/3	<b>Dampier, 15-16 September 1977.</b>
5	2/2/13/3/1-2	Town, pellet plant, Parker Point.
5	2/2/13/3/3	Looking north along Dampier Island. New orchard in left centre.
5	2/2/13/3/4	East Intercourse Island.
5	2/2/13/3/5	Pellet plant and town from Ell lookout. Composite.
5	2/2/13/3/6-7	Dampier Salt ponds.
5	2/2/13/3/8	Bobcat carrying cleared up spillage from pellet plant.
5	2/2/13/3/9	Impact precipitator and 8 cyclones in new pellet plant ore drier.
5	2/2/13/3/10	Old ore drier being demolished.
5	2/2/13/3/11	Baghouses on Ell car dumper.
5	2/2/13/4	<b>Cossack, 16 September 1977.</b>
5	2/2/13/4/1	Old Court House.
5	2/2/13/4/2	Old wool store, being renovated for dance hall.
5	2/2/13/4/3	In cemetery: Nathan Summy, Ken Piggott, James Morehouse.
5	2/2/13/4/4	On settlers (?) beach.
	<u>2/2/14</u>	<u>U.S.A. June 1974; December-January 1974-75.</u> From Album 14.



Box No.	Archival Number	Description
5	2/2/14/1	<b>United States, June 1974.</b>
5	2/2/14/1/1	Amax' Urad Mine (in valley) and Red Mountain.
5	2/2/14/1/2	Amax' Urad Mine showing upper and lower tailings dams. Red Mountain on right.
5	2/2/14/1/3	Amax Henderson Mine with No. 2 headframe. Red Mountain behind.
5	2/2/14/1/4	Henderson Mine from waste dump, No. 1 and No. 2 headframes.
5	2/2/14/1/5	Urad: lower tailings dam behind; waste rock covering tailings; tailings plots; Larry Brown with Mary K Fleming.
5	2/2/14/1/6	Urad mine, showing 'glory hole' subsidence on Red Mountain.
5	2/2/14/1/7	Urad: (Left) upper tailings dam; (Centre) 'glory hole' on Red Mountain; (Right of centre) mine; (Right) lower tailings dam. Large Composite.
5	2/2/14/1/8-9	Small silver or gold mines towards Denver.
5	2/2/14/1/10	Health Clinic! Radio-active water!
5	<b>2/2/14/2</b>	<b>Tucson, Arizona</b>
5	2/2/14/2/1	Asarco Tucson waste.
5	2/2/14/2/2	Pima tailings dam, part revegetated. Indigenous arid flora in foreground.
5	2/2/14/2/3	Anamax Twin Buttes. Waste dumps. NB: undulating profile at left.
5	2/2/14/2/4	Anamax Twin Buttes. Eucalypt on bund, with terraced face of older bund behind.
5	2/2/14/2/5	Original vegetation on plain, with advanced regeneration and new waste placement.
5	2/2/14/2/6	Oldest regeneration: 1967. Eucalypts and native species.
5	2/2/14/2/7	Tailings in bund.
5	2/2/14/2/8	Twin Buttes mine pit. Porphyry ore under 250m overburden. Composite.
5	<b>2/2/14/3</b>	<b>U.S. Overseas Trip, December-January 1974-75; Magma Copper.</b>
5	2/2/14/3/1	San Manuel plant.

Box No.	Archival Number	Description
5	2/2/14/3/2	San Manuel, two tailings dams and San Pedro Valley. Composite.
5	2/2/14/3/3	Magma (superior) No. 9 shaft in Tonto National Forest, Oak Flat.
5	2/2/14/3/4	Small Lake at Oak Flat.
5	2/2/14/3/5	Pinal Valley Mine, Cities Service Co., near Miami.
5	2/2/14/3/6	Mine and tailings. Inspiration, Miami. Old tailings with sulphate bloom.
5	2/2/14/3/7	Old tailings with vegetation.
5	<b>2/2/14/4</b>	<b>Kennecott - Ray Mines Division.</b>
5	2/2/14/4/1	Asarco, Hayden - stack in early morning.
5	2/2/14/4/2	Hayden tailings: mulch and shrubs with Bermuda grass; shrubs only; new ground.
5	2/2/14/4/3	Ray Mine: Teapot Mountain and west pit.
5	2/2/14/4/4	Ray Mine: Teapot Mountain and west pit.
5	<b>2/2/14/5</b>	<b>Phelps Dodge, Morenci.</b>
5	2/2/14/5/1	View of Phelps Dodge, Morenci.
5	2/2/14/5/2-3	Vegetation on No. 4 west tailings dams.
5	2/2/14/5/4	Nicotiana and Bassia (tumbleweed) with John Gearhart.
5	2/2/14/5/5	No. 1 west berm with failed \$10,000 hydromulch. No follow-up irrigation.
5	2/2/14/5/6	Waste dump; smelter; town; west tailings.
5	2/2/14/5/7	Main pit and new Metcalf operation. Old Morenci township. Composite.
5	2/2/14/5/8	Metcalf Pit; King Pit; Main Pit; smelter. Composite.
5	2/2/14/5/9	Two rock types at Clifton - Old country rock, recent loose conglomerate.
5	<b>2/2/14/6</b>	<b>Pima - Cypress Mine</b>
5	2/2/14/6/1	Plantings of <u>E. rostrata</u> in established grass on north face of tailings.
5	2/2/14/6/2	Hydromulch unit.
5	2/2/14/6/3	Clodbreaker drain.

Box No.	Archival Number	Description
5	2/2/14/6/4	Sheepsfoot roller and crane.
5	2/2/14/6/5	Ken Ludeke (??) with symposium group.
5	<b>2/2/14/7</b>	<b>Anamax, Twin Buttes</b>
5	2/2/14/7/1	New dump with 1969 plantings on E. slope.
5	2/2/14/7/2	Don Russell with 1969-70 plantings on south slope. Gypsum mine and Green Valley Retirement Village behind.
5	2/2/14/7/3	Chilean Mesquite and <u>E. rostrata</u> planted 1966.
5	2/2/14/7/4	Anamax pit. Composite.
	<b><u>2/2/15</u></b>	<b><u>CANADA, 1976.</u></b> [cf Haddon F King Canada Reports in his Second Accession.] From Album 15.
5	<b>2/2/15/1</b>	<b>Brenda Mines, B.C., 23 May 1976.</b>
5	2/2/15/1/1	Group overlooking pit.
5	2/2/15/1/2-3	Brenda pit.
5	2/2/15/1/4	Brenda tailings dam. Cleared area on far side indicates ultimate height of wall.
5	2/2/15/1/5	Martin Mars water bomber on lake near Port Alberni (owned by timber syndicate).
5	<b>2/2/15/2</b>	<b>MacMillan Bloedel: Port Alberni, B.C.</b>
5	2/2/15/2/1-2	Port Alberni.
5	2/2/15/2/3-4	Sawmill and dock.
5	2/2/15/2/5	Pulp and paper mill. Composite.
5	2/2/15/2/6	Product barge loading for US west coast.
5	2/2/15/2/7	Clarifier, river and treatment lagoons beyond.
5	<b>2/2/15/3</b>	<b>Roberts Bank Superport</b>
5	2/2/15/3/1	Stockpiles and stacker. Composite.
5	2/2/15/3/2	Stacker/reclaimer.
5	2/2/15/3/3	Reclaim feeder with hopper.
5	2/2/15/3/4	Shiploader, with Mr. Ohnishi and planted trees.
5	2/2/15/3/5-6	150 psi nozzles 35m height to create precipitation over the stockpiles during strong winds.
5	<b>2/2/15/4</b>	<b>Rocky Mountains flight</b>

30.

Box No.	Archival Number	Description
5	2/2/15/4/1	Medicine Hat township.
5	2/2/15/4/2	Western Co-op. Fertilizers, Medicine Hat. 3000 ppm NOx [sic], dust from ammonium nitrate prill tower.
5	2/2/15/4/3	Hydro station on Bow River.
5	2/2/15/4/4	Canmore (?) coal strip mine being revegetated.
5	2/2/15/4/5-6	Steel Bros. limestone quarry, Bow River.
5	2/2/15/4/7	Exstran (?) limestone quarry, Bow River.
5	2/2/15/4/8	Lake deposit - natural (?).
5	2/2/15/4/9-10	River and lake south of Jasper. Natural pollution (?).
5	2/2/15/4/11	Cadomin limestone quarry, Cardinal River area.
5	2/2/15/4/12-15	Aerials of Cardinal River Coal Mine (Luscar Ltd., Consol.)
5	2/2/15/4/16-18	Aerials of revegetation of wastes, Cardinal River Coal.
5	2/2/15/5	<b>Smoky River Mine (McIntyre Mines Ltd.)</b>
5	2/2/15/5/1	Smoky River Valley with power station and No. 2 mine.
5	2/2/15/5/2	No. 2 mine and power station.
5	2/2/15/5/3	No. 9 mine waste dump.
5	2/2/15/5/4	No. 9 mine, revegetation(?).
5	2/2/15/5/5	Township of Grande Cache, Smoky River area.
5	2/2/15/5/6	Hinton township and pulp mill (N.W. Pulp and Power) on Athabasca River.
5	2/2/15/5/7	Seismic Lines near Hinton.
5	2/2/15/5/8	Logging near Port Alberni, B.C.
5	2/2/15/5/9-10	Logging coupes south of Hinton.
5	2/2/15/5/11-12	Logging coupes towards Edmonton.
5	2/2/15/6	<b>Lake Wabamun, West of Edmonton.</b>
5	2/2/15/6/1	Sundance Power Station with Highvale Strip Mine.
5	2/2/15/6/2	Wabamun Power Station with Whitewood Mine (1Mt/yr).
5	2/2/15/6/3-4	Regenerated area, Whitewood Mine. N.B.: not levelled. Gravel is stockpiled for sale.

Box No.	Archival Number	Description
5	2/2/15/7	<b>Athabasca Tar Sands</b>
5	2/2/15/7/1-2	Fort McMurray, Athabasca River.
5	2/2/15/7/3-4	Matsumoto, Ni, Evison, Kuninaka, Yen, (?), Ishiwata, Carney, Robinson, Sullivan; on Syncrude's Mildred Lake strip.
5	2/2/15/8	<b>G.C.O.S.</b>
5	2/2/15/8/1	Refinery
5	2/2/15/8/2	Cleared areas.
5	2/2/15/8/3-4	Tailings dam on river, with revegetation trials. Open pit in background.
5	2/2/15/8/5	Mined-out pit showing overburden, two benches, new tailings. Composite.
5	2/2/15/8/6	Lower bench, excavator and D8's.
5	2/2/15/8/7	Roger Evison and trucks.
5	2/2/15/8/8	Refinery.
5	2/2/15/8/9	Muskeg Dam with revegetation.
5	2/2/15/8/10-11	Main tailings dam with revegetation trials on wall.
5	2/2/15/8/12	Muskeg community, spruce and poplar.
5	2/2/15/8/13	Cleared muskeg vegetation, ready to burn.
5	2/2/15/8/14-15	Cleared and burned muskeg, drainage ditches.
5	2/2/15/8/16	Refinery and open pit. Muskeg being removed.
5	2/2/15/8/17	South side of pit.
5	2/2/15/8/18	Pit showing two benches.
5	2/2/15/8/19	Pit showing overburden removal.
5	2/2/15/8/20-21	Views of GCOS pit area.
5	2/2/15/8/22-23	Muskeg vegetation and Athabasca River.
5	2/2/15/9	<b>Syncrude</b>
5	2/2/15/9/1-2	Refinery area.
5	2/2/15/9/3-4	Clearing and draining, removing muskeg.
5	2/2/15/10	<b>Stelco, Lake Erie</b>
5	2/2/15/10/1	Ontario Hydro's new 4000 MW coal fired station.

Box No.	Archival Number	Description
5	2/2/15/10/2	Constructing mounds along green belt. 10m.
5	2/2/15/10/3-4	House and garden in Stelco's green belt.
5	2/2/15/10/5	Constructing pier into Lake Erie.
5	<b>2/2/15/11</b>	<b>Pickering Nuclear Reactor</b>
5	2/2/15/11/1	Units 1-4, Pickering 'A'. Composite.
5	2/2/15/11/2	Houses nearby (15,000 people within 5 km).
5	2/2/15/11/3	Constructing units 5 and 6 of Pickering 'B'.
5	2/2/15/11/4	Heavy water cleaning plant.
5	<b>2/2/15/12</b>	<b>Pulp and Paper Research Institute</b>
5	2/2/15/12/1-3	Three views of PPRI display.
5	<b>2/2/15/13</b>	<b>Rio Algom uranium mines</b>
5	2/2/15/13/1	Elliot Lake, Ontario. Rio Algom uranium mines and tailings (from 10,000m up). [Very faint.]
5	<b>2/2/15/14</b>	<b>Sherritt Gordon Nickel Refinery.</b>
5	2/2/15/14/1	Sherritt Gordon nickel refinery, Fort Saskatchewan, Alberta.
5	<u>2/2/16</u>	<u>CANADA, 1977.</u> From Album 16.
5	<b>2/2/16/1</b>	<b>Rio Algom: Elliot Lake, 3-4 June 1977, Quirke Mine.</b>
5	2/2/16/1/1	Old tailings about pH 2, oxidised. Water sprays for government inspection. NB: leached Fe.
5	2/2/16/1/2	Looking east along bund. Tailings outflow on left.
5	2/2/16/1/3-4	Looking west along bund through middle of tailings dam in old valley. Tailings released on north side.
5	2/2/16/1/5	Tailings outflow at far side.
5	2/2/16/1/6	Tailings delta into lake.
5	2/2/16/1/7	Quirke Mine and tailings pond decant into settling ponds (48 hr retention). 80% of BaCl <sub>2</sub> added in decant stream on right. Composite.
5	2/2/16/1/8	Final effluent from settling ponds to stream, pH 8, dissolved Ra 3 pCi/l.(?)
5	2/2/16/1/9	Wood stave pipes soaking. Tailings pipeline beyond.
5	2/2/16/1/10	Joint federal government-company 5-year tailings project, set up at Quirke, August 1975. Five pits

Box No.	Archival Number	Description
		in use: with-, -grass, -gravel, -sawdust; control; flooded. Composite.
5	2/2/16/2	<b>Nordic Mill</b>
5	2/2/16/2/1	Nordic Mill and grassed tailings, with trefoil, established 1970-73, about 5% pyrite, birch and willow.
5	2/2/16/2/2	Fertilising grass sward on tailings. Volunteer trees.
5	2/2/16/2/3	Kildare Plover's eggs with Al Vivyurka, on road across tailings.
5	2/2/16/2/4	General view of Nordic tailings, some parts revegetated 1970-73. Ditch in foreground collects run-off and leachate for treatment. Composite.
5	2/2/16/2/5	Collecting ditch with beaver dams (pH 4.5-5.5).
5	2/2/16/2/6	Treatment plant at end of collecting ditch. Further tailings beyond.
5	2/2/16/2/7-8	Nordic treatment for lime slurry and BaCl <sub>2</sub> addition to tailings leachate run-off. Settling occurs in small lake beyond.
5	2/2/16/2/9-10	Grass at Quirke on 15cm gravel covering tailings with 5% pyrite. Self-sown.
5	2/2/16/3	<b>Panel Mine and Mill</b>
5	2/2/16/3/1	Panel Mine, with ventilation shaft on island. Mill in foreground. Composite.
5	2/2/16/3/2	Looking west to Denison 2 and 1 at end of Quirke Lake.
5	2/2/16/3/3	Stanrock Mine (Denison) across Quirke Lake.
5	2/2/16/3/4	Panel Mill.
5	2/2/16/3/5	End of lime treatment line into Strike Lake (Panel tailings), pH about 4.
5	2/2/16/3/6	Panel tailings.
5	2/2/16/3/7	Panel tailings.
5	2/2/16/3/8-9	Algoma Pronto Mill and old tailings.
5	2/2/16/4	<b>Falconbridge Nickel, Sudbury, 4 June 1977.</b>
5	2/2/16/4/1-2	General view. Abortive iron ore recovery plant 2 km beyond.

Box No.	Archival Number	Description
5	2/2/16/4/3	Old tailings areas in town, close to smelter. Composite.
5	2/2/16/4/4	Main stack and smelter.
5	2/2/16/4/5	Signs of earlier forest, planted areas along highway at right.
5	2/2/16/4/6	Planted area along highway: poplars and grass. Plume looping and fumigating area.
5	2/2/16/4/7	Damaged poplars.
5	2/2/16/5	INCO, Sudbury, 4-5 June 1977.
5	2/2/16/5/1	Copper Cliff SO <sub>2</sub> plume looping. Coniston site in foreground.
5	2/2/16/5/2	Copper Cliff plume with traces of Falconbridge plume in foreground. Sudbury between on right.
5	2/2/16/5/3	Copper Cliff 380 m stack with waste water treatment plant in foreground.
5	2/2/16/5/4	Vegetated area along Highway 17 about 1 km south of 380m stack. Trees planted 1955. Plume overhead, 4m/sec wind.
5	2/2/16/5/5	Iron ore recovery plant and Copper Cliff smelter with 380 m stack. Highway 17 in foreground. Denuded hills with vigorous regrowth. About 15 km east of smelter. Composite.
5	2/2/16/5/6	Vegetation on rocky hill, showing colour of recently uncovered rock.
5	2/2/16/5/7	SO <sub>2</sub> plume over Laurentian University, vegetation among rocks.
5	2/2/16/5/8	Damaged vegetation 20 km east of smelter.
5	2/2/16/5/9	Slight SO <sub>2</sub> damage on seedlings among rocks. 15km east of smelter.
5	2/2/16/5/10	Old roasting yard converted to parkland in Copper Cliff.
5	2/2/16/5/11-13	CD tailings area, 2km west of stack. This will become a wildlife management area. All deciduous trees are volunteers. Lake water pH about 4. One composite, two different views.
5	2/2/16/5/14	CD area, water pH about 4.
5	2/2/16/5/15	CD area with planted pines and spruce. Straw and manure mulches being trialled in small area in foreground.



Box No.	Archival Number	Description
5	2/2/16/5/16	Ducks nesting in CD area.
5	2/2/16/5/17	Active P tailings dam.
	<u>2/2/17</u>	<u>SOUTH AFRICA, 1979.</u> From Album 17.
6	<u>2/2/17/1</u>	<u>Rossing Uranium, 19-21 February 1979</u>
6	2/2/17/1/1-2	Namib Desert.
6	2/2/17/1/3-4	Rossing Mountain half-way between coast and mine.
6	2/2/17/1/5-8	Aerial views of pit.
6	2/2/17/1/9	Pit showing some dust generation. Composite.
6	2/2/17/1/10	Gardiner-Denver Drills in pit.
6	2/2/17/1/11	Primary crusher equipped with sprays.
6	2/2/17/1/12	Coarse ore stockpile with spray visible at end of conveyor.
6	2/2/17/1/13	New quaternary crusher with cyclones and baghouses.
6	2/2/17/1/14	Screening plant with cyclones and baghouses.
6	2/2/17/1/15	Acid plant and stockpiled pyrites.
6	2/2/17/1/16	View of mill: acid plant; fine ore stockpile; coarse ore stockpile. Composite.
6	2/2/17/1/17-18	Tailings dam with mine and mill beyond on left.
6	2/2/17/1/19-20	Tailings dam wall with catch dam below.
6	2/2/17/1/21	View in opposite direction of tailings dam and IX plant for return dam solution. Composite.
6	2/2/17/1/22-23	Tailings dam walls, some volunteer vegetation.
6	2/2/17/1/24-25	Arandis: new streets between earlier houses.
6	2/2/17/1/26	Old street alignment now garden, Arandis.
6	2/2/17/1/27	European housing at Viretia, Swakopmund.
6	<u>2/2/17/2</u>	<u>Palabora Mining Co., 23 February 1979</u>
6	2/2/17/2/1	Copper pit and vermiculite pits, crushers at right.
6	2/2/17/2/2	Foscor operations adjoining PMC on the west.
6	2/2/17/2/3	PMC SE waste dump; pit at top right.
6	2/2/17/2/4	PMC copper smelter; reverb. stack in centre.

Box No.	Archival Number	Description
6	2/2/17/2/5	Copper pit, showing invasion of natural vegetation on north side at right. Composite.
6	2/2/17/2/6	View of waste dumps to south and east. Composite.
6	2/2/17/2/7-8	Primary crushers and coarse stockpile.
6	2/2/17/2/9	Waste dump; older section with volunteer vegetation.
6	2/2/17/2/10	Concreted corner of Hiti magnetite dump; effects of erosion evident.
6	2/2/17/2/11	Tailings and water reclaim dam.
6	2/2/17/2/12-13	Vegetation on wall of water reclaim dam - constructed from coarse tailings material. Three year old <u>Acacia cyanophylla</u> and dett torpedo grass, well irrigated and fertilized.
6	2/2/17/2/14-15	Reclaim water dam, floating intake at right. Almost composite.
6	2/2/17/2/16	Smelter showing gas scrubbing stack (and steam), converter stack and reverb. stack, with few fugitive emissions.
6	2/2/17/2/17	Smelter with fugitive low level emissions visible.
6	2/2/17/2/18-19	Hiti magnetite dump; building wall with coarse fraction, run-off mill material and partial water cover.
6	2/2/17/2/20	Wall of Hiti magnetite dump; <u>Acacia cyanophylla</u> , <u>Atriplex rummularia</u> ??? and grass.
6	2/2/17/2/21	Trial plots on magnetite material.
6	2/2/17/2/22-23	Vermiculite waste dump close to town; Nick Steenkamp in veldt grass self-sown from seed in replaced topsoil. Shrubs mostly sown later, some planted.
6	2/2/17/2/24-25	Edge of dump showing replaced topsoil and grass.
6	2/2/17/2/26-27	Vermiculite tailings with volunteer vegetation including <u>Nicotiana</u> , <u>Setaria</u> and castor oil.
6	2/2/17/3	<b>Richards Bay, 26-28 February 1979</b>
6	2/2/17/3/1	General view of harbour entrance and industrial land. Town out of view at left, coal terminal at right.
6	2/2/17/3/2	Coal terminal on south side of harbour. Stockpiles oriented NW-SE behind vegetated dunes parallel to coast.
6	2/2/17/3/3	Alusaf Al smelter and Triomf fertilizers' gypsum dam. Papyrus swamps beyond.

Box No.	Archival Number	Description
6	2/2/17/3/4	Gypsum dam!
6	2/2/17/3/5	Harbour mouth from north.
6	2/2/17/3/6	Main dock with RBM's product warehouse and SAR terminal.
6	2/2/17/3/7	Harbour: coal terminal on far side, Alusaf and fertilizer works inland on right. Composite.
6	2/2/17/3/8-9	Richards Bay Iron and Titanium processing and smelting plant. Ti smelter in centre.
6	2/2/17/3/10	View from west. Site surrounded by plantation forestry. (Includes hand-drawn key map of site).
6	2/2/17/3/11	Ti smelter, concentrate drying.
6	2/2/17/3/12	RBM: dry mill separation. Zr leach obscured at right.
6	2/2/17/3/13	Ti smelter from west, edge of coarse slag yard with jackhammer (yellow vehicle) working on material frozen in ladle.
6	2/2/17/3/14	Ti smelter, concentrate drying, char plant with stack workshop in foreground.
6	2/2/17/3/15	Iron casting building, char plant beyond.
6	2/2/17/3/16	Slag crusher.
6	2/2/17/3/17-18	Coarse slag yard with Cat 991B breaking slag.
6	2/2/17/3/19	Pig iron product.
6	2/2/17/3/20	Scrubber sludge: coal char, fine ilmenite, leucoxene and other waste dumped with dredge tailings.
6	2/2/17/3/21-22	Lake Nhlabne barrage; water level raised 1m causing profound ecological change and some tree mortality along shoreline.
6	2/2/17/3/23	Re-formed area before topsoiling, recent vegetation, topsoiled area in foreground, tailings stacker in background.
6	2/2/17/3/24	<u>E. saligna</u> plantation being cleared ahead of dredge. Thirteen-month old vegetation in foreground.
6	2/2/17/3/25	Thirteen-month old vegetation near <u>Casuarina</u> windbreak: protected <u>E. saligna</u> doing well, exposed ones in foreground faring badly. Indigenous volunteers visible amongst grass cover crop: <u>Cannaivalia</u> and <u>Acacia karroo</u> .

Box No.	Archival Number	Description
6	2/2/17/3/26	Mbonambi Lutheran Mission; church and graves will be in dredge path.
6	2/2/17/3/27	Slumping above clay pan to form arcuate valley.
6	2/2/17/3/28-29	<u>Casuarina equisetifolia</u> stabilizing the foredune.
6	2/2/17/3/30	Arcuate valley: unchanged since 1937.
6	2/2/17/3/31	Swamp community (and planted bananas) in old arcuate valley.
6	2/2/17/3/32-33	Near Mtubatuba: land farmed by whites adjacent to Kwazulu homeland.
6	<u>2/2/18</u>	<u>WAISOL, FIJI, 1977.</u>
6	<u>2/2/18/1</u>	<u>Waisoi Copper Prospect, Fiji, 7-9 January 1977.</u>
6	2/2/18/1/1	Korombasambasanga Range (centre) from Suva.
6	2/2/18/1/2	Approaching from east: Mt. Voma and Waidina River.
6	2/2/18/1/3	Mt. Voma with PWD road to Namosi, Amax road from Waisoi Junction on right.
6	2/2/18/1/4	PWD road and Amax road, Waidina River, Waisoi Creek and junction (camp) on right.
6	2/2/18/1/5	Waisoi Junction camp, Waidina River with Waisoi Creek bottom left.
6	2/2/18/1/6	Waisoi Creek with Amax road on left. Korombasambasanga Range beyond.
6	2/2/18/1/7	Korombasambasanga Range, from Waisoi west orebody.
6	2/2/18/1/8	Namosi valley looking east: Waidina River, west branch of PWD road, R.C. mission (Namosi village obscured by peak on left).
6	2/2/18/1/9	View west in Waisoi valley: from Waisoi east orebody to Waisoi west. Camp at left with new Amax road.
6	2/2/18/1/10-11	Waisoi east orebody, on south side of creek.
6	2/2/18/1/12	Waisoi east orebody, north side of creek.
6	2/2/18/1/13	Waisoi west orebody, looking north-west from creek.
6	2/2/18/1/14	Waisoi west, looking south-east towards creek.
6	2/2/18/1/15	Waisoi west, looking south to Mt. Voma (beyond Namosi).
6	2/2/18/1/16	Looking from Waisoi west down creek to camp and Waisoi east.

47.

Box No.	Archival Number	Description
6	2/2/18/1/17-18	Waisoi west, showing vegetation disturbance from early drilling programme.
6	2/2/18/1/19-20	Hiller 12-E4 chopper, Ian Simpson flying.
6	2/2/18/1/21	Waisoi camp on Waisoi Creek. New road construction to Waisoi west. Largest building is field laboratory.
6	2/2/18/1/22	Accommodation section of camp, laboratory on right.
6	2/2/18/1/23	General view of camp, Korombasambasanga Range. Composite.
6	2/2/18/1/24	New road behind camp.
6	2/2/18/1/25	New road to Waisoi west.
6	2/2/18/1/26	Waisoi Creek, new road, and Korombasambasanga Range.
6	2/2/18/1/27	Well-developed rainforest, main species apparently <u>Canarium</u> .
6	2/2/18/1/28	In rainforest at a large <u>Degeneria vitiensis</u> . Wame Baravilala, Annie Fong, Stuart Nicholson and guide.
6	2/2/18/1/29-30	Annie and Stuart hiking back to new road.
6	2/2/18/1/31-33	Amax's proposed waste dump area north-east of Waisoi in Wainavombono Creek/Sovi River basin.
6	2/2/18/1/34	Alternative possible waste dump area north-west of Waisoi, behind Korombasambasanga Range.
6	2/2/18/1/35-36	Looking north and north-east. NB narrow exit (centre) to Wainavadu Creek.
6	2/2/18/1/37-38	Boats at Waisoi junction. Culvert pipe has just been brought 13km upstream for new road.
6	2/2/18/1/39-40	Trip down Waidina River to end of old road. All supplies formerly brought in this way.
6	2/2/18/1/41-42	Mt. Voma and PWD road descending to Namosi.
6	2/2/18/1/43	Wainikovu Creek on PWD road. Amax Landrover with Frank Paholski and Mike Leggo.
6	2/2/18/1/44	George Reynolds, Mike Leggo and Frank Paholski looking at erosion around culvert on Sunday drive along PWD road.
6	2/2/18/2	<b>Regeneration along PWD road.</b>
6	2/2/18/2/1	Climbers.
6	2/2/18/2/2	Broad-leaved grass.

Box No.	Archival Number	Description
6	2/2/18/2/3	Selaginella and ferns.
6	2/2/18/2/4	View towards coast from road to Namosi. Possible port site in centre. Bega Island and Navua??? River on right.
6	2/2/18/2/5	Naquar Island, possible port site.
	<u>2/2/19</u>	<u>EUROPE: 1974; 1977; 1979.</u>
6	2/2/19/1	Avonmouth, May 1974.
6	2/2/19/1/1	ISF; sinter plant; acid plant.
6	2/2/19/1/2	ISF and sinter; acid plant stack; ore storage.
6	2/2/19/1/3	View from Zn refinery. Cooling pond on left.
6	2/2/19/1/4	Thickener, with old retort residues smouldering.
6	2/2/19/1/5	Settling ponds after lime treatment.
6	2/2/19/1/6	Final monitor and sampler on outflow.
6	2/2/19/1/7	Fisons plant and NO <sub>2</sub> plume.
6	2/2/19/2	Avonmouth, 30 May 1977.
6	2/2/19/2/1	Plant from SE. Refinery; ISF; tip end stack; acid stack; sinter plant; acid storage. Composite.
6	2/2/19/2/2	Looking north: slag on old retort residues, Fison's NOx [sic].
6	2/2/19/2/3	ISC Chemicals: HF kiln breech blockage, between CSL plant and offices.
6	2/2/19/2/4	Acid plant and new 91 m stack.
6	2/2/19/2/5	New baghouse for ventilation fume from ISF slagging floor.
6	2/2/19/2/6	View from refinery, looking NE, no trees. Composite.
6	2/2/19/2/7	View from refinery, looking SE, few trees.
6	2/2/19/2/8	View from refinery, looking SW, NB dead trees.
6	2/2/19/2/9	Final lagoons and lime slurry addition. Gate operates at low pH to trap floor in Rhine.
6	2/2/19/2/10	Final monitor: flow rate and pH.
6	2/2/19/3	Budel, May 1974.
6	2/2/19/3/1	Old office building and stacks from original plant.

Box No.	Archival Number	Description
6	2/2/19/3/2	New plant: roasters; thickeners; leaching and precipitation; cell house.
6	2/2/19/3/3	Selective precipitation and waste water neutralization.
6	2/2/19/3/4	Jarosite pond with some zinc sulphate. NB erosion.
6	2/2/19/3/5	Part of tailings area with dead gulls.
6	2/2/19/3/6	Sealed outflow return channel. Old works and Budel in background.
6	2/2/19/3/7	Bunds of tailings field. NB: failed stabilization on banks and groundwater sample point. Ken Fergusson and Joe Barbour.
6	2/2/19/3/8	Stormwater drain. Lagoon and canal harbour in background.
6	2/2/19/3/9-10	Gulls breeding in lagoon area. This is contaminated from old KZM operation.
6	2/2/19/3/11	Old horizontal retort residues. Joe Barbour and Ken Fergusson.
6	2/2/19/4	<b>Budel, 27 March 1977.</b>
6	2/2/19/4/1	Plant: stack, acid plant and roasters.
6	2/2/19/4/2	Acid plant.
6	2/2/19/4/3	Acid plant precipitators and 70 m stack.
6	2/2/19/4/4	Concentrate storage and Vogelpeel No. 1.
6	2/2/19/4/5	Concentrate stockpiles.
6	2/2/19/4/6	Concentrate, windblown.
6	2/2/19/4/7	Dust in concentrate storage area.
6	2/2/19/4/8	Old retort residues and sand drift NE of plant.
6	2/2/19/4/9	Effluent settling pond, fairly full.
6	2/2/19/4/10	Water quality monitor at outfall from Vogelpeel No. 1.
6	2/2/19/4/11	Decant channel with pump and monitor; Vogelpeel No. 1; concentrate stockpile. Composite.
6	2/2/19/4/12-13	Final pH monitor on Vogelpeelen(?) outflow, just below point of entry of jarosite breakout. Bill Hunter (AM&SE) and James Moorhouse (RTZ).
6	2/2/19/4/14	View of jarosite ponds and plant from here. No trees. Road 200 m behind.

Box No.	Archival Number	Description
6	2/2/19/4/15-17	Air sample point at edge of Vogelpeel No. 1, with gull nests.
6	2/2/19/4/18	Final jarosite filter.
6	2/2/19/4/19	View of area for new jarosite ponds/residue fields.
6	2/2/19/4/20	Area planned for new jarosite fields. Composite.
6	2/2/19/4/21	Grassed bund on south end of jarosite ponds.
6	2/2/19/4/22	Site of jarosite breakout into collecting ditch.
6	2/2/19/4/23	Rabbit digging.
6	2/2/19/4/24	Central collecting ditch for jarosite decant. May be filled if bunds raised.
6	2/2/19/4/25	General view of residue fields.
6	2/2/19/4/26	Acid storage and cleared area: site of old works.
6	<b>2/2/19/5</b>	<b>Budel, 6 February 1979.</b>
6	2/2/19/5/1	Enlarged residue pond for waste water treatment plant.
6	2/2/19/5/2	View of plant and concentrate storage across 'Clarifier' No. 1.
6	2/2/19/5/3	Monitor: volume, pH and sample ducks on ice, 'Clarifier' No. 1.
6	2/2/19/5/4-5	Ducks over 'Clarifier' No. 1.
6	2/2/19/5/6	pH monitor and sample point, 'Clarifier' No. 2. Higher residue ponds in background.
6	<b>2/2/19/6</b>	<b>Laporte Fluorspar, Derbyshire, 10 February 1979.</b>
6	2/2/19/6/1	Cavendish Mill and tailings dam. Composite.
6	2/2/19/6/2	No. 2(??) tailings dam, planted trees on left. Pipe goes to No. 4 dam.
6	2/2/19/6/3-4	No. 3(??) tailings dam with planted trees. One composite.
6	2/2/19/6/5	No. 4 tailings dam with water reclaim point.
6	2/2/19/6/6	Longstone Edge: unfilled Pb open cut formerly 45 m deep.
6	2/2/19/6/7	Filled and rehabilitated Pb open cut on other side of road.



Box No.	Archival Number	Description
6	2/2/19/6/8	Longstone Edge: Fluorspar waste from 1750-1850 Pb mining recovered from among trees. Area rehabilitated.
6	2/2/19/6/9	Smith's Fluorspar, Eyam (nearby).
6	2/2/19/6/10-11	Longstone Edge from south and SW.
	<u>2/2/20</u>	<u>MISCELLANEOUS ALBUM LEAVES.</u> Portions of Albums received with Second Accession.
6	2/2/20/1	Gelliondale, 9 March 1977.
6	2/2/20/1/1	Site 'F', near highway.
6	2/2/20/1/2	Site 'E', on roadside.
6	2/2/20/1/3	Site 'Q' on sand ridge: <u>Banksia serrata</u> , <u>Xanthorrhoea</u> , <u>E. obliqua</u> , <u>E. nitida</u> .
6	2/2/20/1/4	Looking west along track to site 'R', overgrown with Melaleuca but still trafficable with 4WD.
6	2/2/20/1/5-6	Drilling at site 'O'.
6	2/2/20/1/7	Site 'I' before final restoration. Sumps filled in.
6	2/2/20/1/8	Site 'G' capped and following final cleanup. John Sangster, in open forest.
6	2/2/20/1/9	Site 'P' not yet cleaned up at all. Taken over by farmer as high pressure water supply.
6	2/2/20/1/10	Looking NW across leases from near site 'P'.
6	2/2/20/1/11	Open forest ( <u>E. viminalis</u> , <u>E. obliqua</u> , <u>Banksia serrata</u> ) near 'G', on Pearsons Road.
6	2/2/20/1/12	Foreshore south of leases.
6	2/2/20/1/13	Port Alberta.
6	2/2/20/2	Tarong, September 1976. See also group of C slides, this collection 2/16/9.
6	2/2/20/2/1-2	Area 'C' in foreground. Cleared hill on right beyond cultivation is area 'B'. Forested hill beyond this is area 'D'. Area 'F' is in middle distance.
6	2/2/20/2/3	View northwards, to right of above photographs.
6	2/2/20/2/4	Area 'C', looking east & south. Composite.
6	2/2/20/2/5	Area 'D' in background, looking SW from border of 'A'.
6	2/2/20/2/6	Area 'D', looking NE, near DI site. <u>Angophora subvelutina</u> , <u>E. crebra</u> and Acacias.

Box No.	Archival Number	Description
6	2/2/20/2/7-8	Area 'D', site Dz: Emergent ironbarks with dense Acacia understorey and with mesophyllic rainforest understorey. Bernie Pegrem, CRAE.
6	2/2/20/2/9	'D' shaft: Open ironbark forest (20m) with Acacias.
6	2/2/20/2/10	Ringbarked <u>Angophora costata</u> outside Area 'D'. NB no Imperata on ground, as in similar site within Area 'D'.
6	2/2/20/2/11	Area 'B' in distance from north.
6	2/2/20/2/12	Area 'B' from north.
6	2/2/20/2/13-14	Area 'B' from eastern corner, on ground.
6	2/2/20/2/15	Area 'F' - northern corner.
6	2/2/20/2/16	Area 'F' - looking east from SW edge. Ironbark and Angophora.
6	2/2/20/2/17	Area 'F' - looking north west from road. <u>E. drepanophylla</u> .
6	2/2/20/2/18	On west of road - Acacia aulacocarpa and ironbarks.
6	2/2/20/2/19	Area 'F' - looking east from road over cleared area.
6	2/2/20/3	<b>CRM [Conzinc Rio Tinto Malaysia???] Visit, 20-21 February 1978.</b>
6	2/2/20/3/1-4	Aerial views of Berjuntai area NW of Kuala Lumpur. Fairly shallow alluvial.
6	2/2/20/3/5-6	Tin Mining NW of Kuala Lumpur.
6	2/2/20/3/7	CRM dredge at Kuala Langat, overburden being discharged through stripping chute. Composite.
6	2/2/20/3/8	Cleared, drained and burned swamp forest, Kuala Langat.
6	2/2/20/3/9	Dredge path, tropical peat visible in foreground.
6	2/2/20/3/10-11	Petaling Tin and Selangor Dredging dredges.
6	2/2/20/3/12-14	Discharging overburden on to tailings behind dredge. No. 2 dredge construction site in distance.
6	2/2/20/3/15-16	Discharging overburden - Dennis Taylor.
6	2/2/20/3/17-18	Tropical peat debris floating near dredge and piled up into windrow.
6	2/2/20/3/19-22	Slimes ponds, showing dead trees. Bunds constructed from undifferentiated overburden. Dry kaolinite clay in pond No. 1.

Box No.	Archival Number	Description
6	2/2/20/3/23-24	Trials with beans on worked tailings, with clay.
6	2/2/20/3/25	Papaya planted into 3mx3mx2m deep holes filled with soil and peat. No ploughing, hence waterlogging.
6	2/2/20/3/26	Massive hard clay from overburden, showing Fe stain.
6	2/2/20/3/27	Dennis Taylor with mango.
6	2/2/20/3/28	Sedge on wall of slimes dam on Selangor D. lease, with Dennis and Choy.
6	2/2/20/3/29	Selangor Dredging's slimes dam.
6	2/2/20/3/30	Selangor Dredging No. 1 dredge with tailings stacker operating.
6	2/2/20/3/31	Tailings returned on top of overburden. Windrow of tropical peat. CRM through trees.
6	2/2/20/3/32	Selangor Dredging No. 2 dredge.
6	2/2/20/3/33-35	Road, rubber and oil palm 5 km south-west of CRM lease.
6	2/2/20/3/36	Sungai Besi Mine near Kuala Lumpur (Malaysian Mining Corp.) Granite outcrop on far left, limestone on right. High-grade tin on bottom.

2/3

SPECIFIC SUBJECT PHOTOGRAPH ALBUMS

	2/3/1	<b>Bougainville Copper, B R Barry.</b> Group of 190x150mm approx (some 190x190mm) colour prints with some B/W prints where specified.
6	2/3/1/1	Panguna: Aerial view of Panguna showing the concentrator area at lower right and housing in the Kawerong and Karoona Valleys at centre left. The open-cut pit area, circled by mine-haul roads, is at top centre. July 1971.
6	2/3/1/2	Panguna: Aerial view of Panguna minesite. The Kawerong Valley and Karoona Valley housing is at centre and bottom left. Part of the port-mine access road is at bottom right leading past the concentrator area (centre right). The open-cut pit area, mine services area and camps are at centre. July 1971.
6	2/3/1/3	Pit Area: Aerial view of the open-cut pit area looking towards the east coast (at top). 80 ft. wide mine-haul roads circle the pit in the foreground. The concentrator area is at centre left. The fork of the Kawerong and Karoona Valleys can be seen at centre. July 1971.

Box No.	Archival Number	Description
6	2/3/1/4	Pit Area: Aerial view of the open-cut pit area at Panguna showing pre-production stripping under way on Pan Hill. An 80 ft. wide haul road circles the pit area at left. August, 1971.
6	2/3/1/5	Pre-Production stripping: 100 ton Euclid R105 trucks and 17 cu. yard P & H electric shovels strip the Panguna open-cut pit area prior to commencement of production. Two Bucyrus Erie 45R drills are at top left. May 1971.
6	2/3/1/6	Primary Crusher: A close-up of the primary crusher nearing completion at the Panguna minesite. Part of the two 54 inch conveyor system, which leads from the primary crusher to the coarse ore stockpile, can be seen at centre right. October, 1971. B/W.
6	2/3/1/7	Primary Ore Conveyors: View of the two 54 inch primary ore conveyors looking from the direction of the coarse ore stockpile. The conveyors will run from the primary crusher (top centre) and will cover a distance of 1/2 mile and an elevation of 525 ft. before reaching the coarse ore stockpile. Six 900 h.p. motors will drive these conveyors. The pit maintenance workshop is at top right. October, 1971.
6	2/3/1/8	Coarse Ore Stockpile: Aerial view of coarse ore stockpile facilities at Panguna. The coarse ore reclaim tunnels (above which will be located the coarse ore stockpile) are at centre, with the super-structure for the conveyor drive house at centre left. Conveyors lead from the coarse ore reclaim tunnels to the fine crushing plant under construction at lower right. Part of the south waste dump is at top right. September, 1971.
6	2/3/1/9	Coarse Ore Stockpile: Aerial view of the coarse ore stockpile facilities (at centre left). The white-roofed structure above the stockpile area is the drive house for the six 900 h.p. motors which will power the primary ore conveyors. Conveyors lead from the stockpile area to the fine crushing plant (at centre) and the screening plant (part of which is at bottom right). October, 1971.
6	2/3/1/10	Concentrator Area: Aerial view of the concentrator area under construction at Panguna. Conveyors lead from the fine crushing plant (at top right) to the screening plant (at top centre). Fine ore reclaim tunnels, above which will be located the fine ore storage, lead into the concentrator mill building at centre. The circular area below the concentrator mill building is the site of the concentrate thickener. The 132 KV switchyard is on the right at top centre. October, 1971.

Box No.	Archival Number	Description
6	2/3/1/11	Fine Crushing Plant: Close-up of construction progress on the fine crushing plant at Panguna. A series of conveyors is being erected between the fine crushing plant and the screening plant (at centre right). Both buildings remain under construction. September, 1971. B/W.
6	2/3/1/12	Fine Crushing Plant: Interior view of the fine crushing plant at Panguna, nearing completion. Nordberg 7-ft. cone crushers are shown in position. September, 1971.
6	2/3/1/13	Screening Plant: View of construction progress on the screening plant (at left) and fine ore conveyors (leading in from right). September, 1971.
6	2/3/1/14	Ball Mills: General view of B.C.P.'s eight 18ft x 21ft overflow ball mills installed in the concentrator mill building. October, 1971.
6	2/3/1/15	Flotation Cells: A view of the flotation section in the concentrator mill building showing scavenger cleaner cells in the foreground and rougher cells at rear. October, 1971.
6	2/3/1/16	Panguna Town: View of Kawerong Valley housing at the Panguna minesite. Housing is being provided here and in the Karoona Valley (out of picture at left) for approximately 3,000 people. The non-integrated single-men's accommodation is at centre left. Integrated single-men's quarters are at centre right.
6	2/3/1/17	Access Road: Comprehensive view of the mountain section of the access highway put through the Crown Prince Range by B.C.P. to connect port and mine. The old access track can be seen at right.
6	2/3/1/18	Port-Mine Access Road: Aerial view of the 16-mile port-mine access road leading over the Crown Prince Range to Panguna minesite (at centre). July, 1971.
6	2/3/1/19	Anewa Bay: Aerial view of Anewa Bay on the east coast of Bougainville Island. The 135 MW steam electric power station and fuel storage tanks are at centre. The 251 ft. wharf and adjacent port warehouse and concentrate storage buildings are at lower centre. The concentrator thickener, filter and drying facilities are under construction to the right of the port warehouse building. October, 1971.
6	2/3/1/20	Anewa Bay: Aerial view of the 251 ft. wharf at Anewa Bay. The port warehouse building is immediately below the wharf, adjacent to the concentrate storage building at centre left. The superstructure for the concentrate thickening, filtering and drying facilities, is below the warehouse at centre right. October, 1971.

Box No.	Archival Number	Description
6	2/3/1/21	135 MW Power Station: Close-up view of the 135 MW steam electric power station at Anewa Bay. Intake tunnels for salt water cooling are at bottom left where part of the foreshore has been removed. Fuel tanks for the power station are at top left. The 22 KV - 132 KV switchyard, which will distribute power to the Panguna minesite and Arawa town, is on the ridge at top right. October, 1971.
6	2/3/1/22	Anewa Bay and Arawa: Aerial of the Company's east coast locations on Bougainville Island. The Anewa Bay portsite, the location of the 251 ft. wharf, warehouse and concentrate storage buildings is at lower centre. The 135 MW power station is also located at Anewa Bay. Arawa town, being built by the Company and the Administration of Papua New Guinea, is at top centre and will provide accommodation and full supporting facilities for over 8,000 people. August 1971.
6	2/3/1/23	Arawa: Aerial view of Arawa town on the east coast of Bougainville Island. The town, being built as a joint venture between B.C.P. and the Administration of P.N.G., will eventually provide housing and full supporting facilities for a population of over 8,000. September, 1971.
6	2/3/1/24	Jaba River Pump Station: Aerial view of the Jaba River pump station, located 7-1/2 miles west of the Panguna minesite. The high pressure pump is at centre left with the low pressure pump above it and adjacent to the pond. Water from the Jaba River (in background) will supply the concentrator mill building with 1.2 million gallons of water per hour. October, 1971.
	<u>2/3/2</u>	<u>DAMPIER SALT OPERATIONS, 1971-1972.</u>
7	2/3/2/1	Proofs printed by Aerial Photographs Pty Ltd, 6 December 1971. B/W prints of various sizes. Negative numbers on back of proofs.
7	2/3/2/1/1	Dampier Salt satellite photograph with position of salt installations marked.
7	2/3/2/1/2-19	Aerial photographs of salt ponds.
7	2/3/2/1/20-22	Views of plant and personnel, at inspection or opening (?).
7	2/3/2/1/23-26	Aerial views of plant.
7	2/3/2/1/27	High aerial of plant and stockpile.
7	2/3/2/1/28-30	Aerials of stockpile.
7	2/3/2/1/31-32	View of conveyor and plant.

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Box No.	Archival Number	Description
7	2/3/2/1/33	View of conveyor and stockpile.
7	2/3/2/1/34	Aerial of plant.
7	2/3/2/1/35	The shiploader boom being tested, March 1972.
7	2/3/2/1/36	The wharf and shiploader ready for action, April 1972.
7	2/3/2/1/37-39	Views of pumping plant(?).
7	2/3/2/1/40-43	Views of salt ponds and pumping plant.
7	2/3/2/1/44-48	Views of truck-loading and -unloading facilities.
7	2/3/2/1/49-50	Views of water pumping plant and salt ponds.
7	2/3/2/1/51-58	Aerial views of salt ponds and adjoining islands.
7	2/3/2/1/59	S Christie awaiting J Tonkin.
7	2/3/2/1/60	S Christie and J Tonkin.
7	2/3/2/1/61	Personnel under tent at Dampier.
7	2/3/2/1/62	J Tonkin with R Mottershead, J McArthur (part hidden), D Salkeld, F Virili of Dampier Salt.
7	2/3/2/1/63	President of Nissho.
7	2/3/2/1/64	J Tonkin.
7	2/3/2/1/65	S Christie.
7	2/3/2/1/66	S Christie.
7	2/3/2/1/67-68	S Christie and J Tonkin.
7	2/3/2/1/69	F Virili with party from Native Welfare, Roebourne.
7	2/3/2/1/70	F Virili with visitors.
7	2/3/2/1/71	Aerial of salt ponds.
7	2/3/2/1/72	Dump bridge (?).
7	2/3/2/1/73-74	Power station.
7	2/3/2/1/75	View of plant.
7	2/3/2/1/76	Interior of control room(?).
7	2/3/2/1/77-84	Aerial views of East Intercourse Island (?).
7	2/3/2/1/85-86	High aerials of plant, salt ponds and East Intercourse Island.

Box No.	Archival Number	Description
7	2/3/2/1/87-88	Shiploading facilities at Dampier. 243x172mm C print, n.d.
7	2/3/2/1/89	Aerial of islands and ship loading facilities. 242x170mm C print, n.d.
7	2/3/2/2	<b>Soil investigation activities during mid 1968.</b> 89x90mm C prints.
7	2/3/2/2/1	South shore near existing crystallizers A1 and B1.
7	2/3/2/2/2	High tide from Nichol Bay where Bitterns Pond and main road now exist.
7	2/3/2/2/3-5	Hand augering in the crystallizer area.
7	2/3/2/2/6	The Gemco drill rig near the south shore.
7	2/3/2/2/7	Soils checks [sic] along levee 20 alignment.
7	2/3/2/2/8	Hand pan near the south shore.
7	2/3/2/2/9	A regular happening, the penalty for which was costly and arduous! [Bogged vehicle.]
7	2/3/2/3	<b>Dampier plant construction. Photographs by M A Weir, 20 February 1972.</b> 195x160mm B/W prints.
7	2/3/2/3/1	Dry salt stacker truss.
7	2/3/2/3/2	Dump bridge, D.S. feeder and tail end D.S. stacker.
7	2/3/2/3/3	Reclaim conveyor, tail end.
7	2/3/2/3/4	Reclaim conveyor, head end.
7	2/3/2/3/5	Shiploader approach conveyor; shiploader in distance.
7	2/3/2/3/6	Reclaim conveyor head end; shipload approach conveyor under MCC 12 in background.
7	2/3/2/3/7	Approach structure and shiploader approach conveyor in background.
7	2/3/2/3/8	Shiploader approach conveyor; shiploader in background.
7	2/3/2/3/9	Shiploader boom berthed on Dolphin 4.
7	2/3/2/3/10	Dolphin 4, shiploader boom berthed.
7	2/3/2/3/11	Dolphins 5, 6 & 7; shiploader boom.
7	2/3/2/3/12	Dolphins 5, 6 & 7.
7	2/3/2/4	<b>Plant Construction, 1971-1972.</b> B/W prints of various sizes, some by Enzo Virili.



Box No.	Archival Number	Description
7	2/3/2/4/1	Fenner Creek crossing and pump station 'O' nearing completion, November 1971.
7	2/3/2/4/2	Dolphins 5, 6 & 7, early 1972.
7	2/3/2/4/3	Dolphin construction, late November 1971.
7	2/3/2/4/4	The 'Gryphen' drill rig on Dolphin 6, late 1971.
7	2/3/2/4/5	Dolphin 4, early 1972.
7	2/3/2/4/6	The shiploader nearing completion, February 1972.
7	2/3/2/4/7	The shiploader being erected.
7	2/3/2/4/8	Placement of the shiploader boom.
7	2/3/2/4/9	The shiploader boom being tested, March 1972.
7	<b>2/3/2/5</b>	<b>Plant Construction, November 1971.</b> B/W prints of various sizes by Enzo Virili.
7	2/3/2/5/1	Haul road completed along Skew Valley.
7	2/3/2/5/2	Fenner Creek crossing, final placement.
7	2/3/2/5/3	Dolphin construction.
7	2/3/2/5/4	Armouring new levees.
7	2/3/2/5/5	Switchyard.
7	2/3/2/5/6	Salt harvester.
7	2/3/2/5/7	Pump station 'O' looking back along the Fenner Creek crossing.
7	2/3/2/5/8	View of wet salt dump bridge and washing plant from top of stacker.
7	2/3/2/5/9	View from top of stacker.
7	2/3/2/5/10	Wet salt stacker with first salt on stockpile.
7	<b>2/3/2/6</b>	<b>Plant construction, November 1971; photographs taken by D A Doonan.</b> B/W prints of various sizes.
7	2/3/2/6/1	Pump station 'O' termination pole transformers and motor control centre. View looking west.
7	2/3/2/6/2	Pump station 'O' pump motors Nos. 5, 6 & 7. View looking north east.
7	2/3/2/6/3	Pump station 'O' pumping 325 horsepower. View looking north east.
7	2/3/2/6/4	Jewellery shop in Roebourne.

Box No.	Archival Number	Description
7	2/3/2/6/5	Derelict town of Cossack from old pearling days.
7	2/3/2/6/6	Japanese grave, Cossack.
7	2/3/2/6/7	Leighton trucks at rest at end of day's shift.
7	2/3/2/6/8	Caterpillar D9 Bulldozer compared to Holden.
7	2/3/2/6/9	Caterpillar D9 ready to clear rock outcrop.
7	2/3/2/6/10	P&H crane takes strain of stacker boom.
7	2/3/2/6/11	33/22 kV substation. View looking south.
7	2/3/2/6/12	33/22 kV substation. View looking west.
7	2/3/2/7	<b>Photographs taken by Jim Ford of Apex Belting for use by their chief engineer, Mr Donahue. B/W prints of various sizes.</b>
7	2/3/2/7/1	Mistaken Island, the dry salt stockpile ready for the first ship, 15 April 1972.
7	2/3/2/7/2	Loading the first ship, April 1972.
7	2/3/2/7/3	Mistaken Island salt moves along the approach conveyor to the first ship.
7	2/3/2/7/4-9	Loading the first ship, April 1972.
7	2/3/2/7/10	Loading completed.
7	2/3/2/7/11	The first ship departs, 16 April 1972.
7	2/3/2/7/12	Ship departing with tugs.
7	2/3/3	<b>Mary Kathleen Uranium Ltd.; Mary Kathleen Mine and Township, November.</b> Twenty-four 200x250mm prints; four colour, remainder B/W. Photographs do not have any descriptive captions but cover minesite, plant, township, recreational and educational facilities at Mary Kathleen. N.d.
	2/3/4	<b>Mt Tom Price and Paraburdoo.</b> Thirty-seven 240x190mm colour prints with brief captions of operations, facilities and township. N.d.
7	2/3/4/1	Aerial: Mount Tom Price.
7	2/3/4/2	Blasting at Paraburdoo.
7	2/3/4/3	Crushing and Screening Plant (left) and Works Area at Mount Tom Price.
7	2/3/4/4	Bucyrus Erie 60R Drill.
7	2/3/4/5	Workshop at Mount Tom Price.

Box No.	Archival Number	Description
7	2/3/4/6	Dart DE-2771 91 tonne truck.
7	2/3/4/7	Conveyor Belt.
7	2/3/4/8	Hamersley train.
7	2/3/4/9	Seven Mile Railway Yards.
7	2/3/4/10	Centralised Traffic Control System located at Mile 7 Administration Building.
7	2/3/4/11	Locomotive and rolling stock repair facilities.
7	2/3/4/12	Ore car dumper at Parker Point.
7	2/3/4/13	Pellet Plant and conveyor system at Parker Point.
7	2/3/4/14	Bucket wheel reclaimer at Dampier.
7	2/3/4/15	Aerial View of Dampier and port facilities.
7	2/3/4/16	Shiploading at Parker Point.
7	2/3/4/17	Diesel tug boat, 1750 h.p.
7	2/3/4/18	Powerhouse - Dampier.
7	2/3/4/19	Powerhouse - Paraburdoo.
7	2/3/4/20	Dampier township.
7	2/3/4/21	Housing at Dampier.
7	2/3/4/22	Typical Kitchen.
7	2/3/4/23	Supermarket, Dampier.
7	2/3/4/24	Community Centre, Dampier.
7	2/3/4/25	Community Hall.
7	2/3/4/26	Sports Pavilion and Bowling Green, Dampier.
7	2/3/4/27	Boating, Dampier.
7	2/3/4/28	Tom Price Township.
7	2/3/4/29	School - Tom Price.
7	2/3/4/30	Open Air Theatre, Tom Price.
7	2/3/4/31	Oval, Tom Price.
7	2/3/4/32	Swimming Pool, Tom Price.
7	2/3/4/33	Paraburdoo Hospital.
7	2/3/4/34	Paraburdoo Township.

Box No.	Archival Number	Description
7	2/3/4/35	Paraburdoo Hospital.
7	2/3/4/36	First Aid.
7	2/3/4/37	Mess, Paraburdoo.

NB there were several album pages which had captions but did not contain a photograph at time of collation. Two covered single men's quarters and one single women's quarters.

Box No.	Archival Number	Description
7	<u>2/4</u>	<u>ALUMINIUM - COMALCO OPERATIONS; Early Weipa and Gladstone Queensland.</u>
7	2/4/1	Pre-Opening Press Visit.
7	2/4/1/1	Printed copy of "Itinerary and Location Maps of the Weipa Area and Township, Weipa Press Visit, 26-28th May 1967". 4pp programme, map, key to township.
7	2/4/2	Pre-Development.
7	2/4/2/1	"Greetings from Weipa", set of printed tourist photographs. N.d.
7	2/4/3	Official Dinner to Mark the Opening of the Weipa township.
7	2/4/3/1	Printed menu and programme of dinner, 6pp, 2/6/67.
7	2/4/3/2	Printed guest list to dinner, 10pp, 2/6/67.
7	2/4/4	Weipa Photograph Catalogue Cards. Sets of 125x200mm cards, one side with small (90x115mm) copy of photograph, photograph details and caption. Some cards contain photographer's details and negative numbers. See also Third Accession which has a substantial group of these cards relating to Comalco Operations.
7	2/4/4/1	Five cards with B/W photographs: four "mission station" and one "community white". [W. Sievers] 1961-1962.
7	2/4/4/2	Forty-two cards, various subjects, mostly C with some B/W. [Various photographers], 1961-1967.
7	2/4/5	Early Operations and Opening Ceremony
7	2/4/5/1-16	Sixteen 55x80mm B/W contact prints: Earth-moving operations, ore conveyor, port facilities. H J Evans, P McLeod, Aboriginal man with child and others. Three B/W negatives. N.d.
7	2/4/5/17	One 75x75mm C print of early open cut. N.d.
7	2/4/5/18-19	Two 55x55mm C print of Aboriginal Mission. N.d.
8	2/4/6	Early Operations
8	2/4/6/1	Three 115x160mm B/W prints and one 80x323 B/W composite print of early excavations. N.d.
8	2/4/6/2	Two 80x107mm B/W prints of Aboriginal children and mission (?) buildings. Three 110x154mm B/W prints of helicopter at Mapoon, with Aboriginal children and with surveyor(?). N.d.

Box No.	Archival Number	Description
8	2/4/6/3	Port works, 115x170mm C print of wharf under construction. N.d.
8	2/4/6/4	Three aerials: 118x174mm and 92x116mm C prints. Ore stockpile and surrounds with ship at pier. [Max Dupain], n.d.
8	2/4/6/5	Two 115x90mm C trans: Ore being conveyed along pier; Ore pouring into ship's hold. [Wolfgang Sievers], n.d.
8	2/4/6/6	Aerial of ore stockpile, 140x250 mm B/W print. [Max Dupain], n.d.
8	2/4/6/7	Generators. Two B/W prints, 90x145mm and 110x165mm, of No 3 Power Station Engine at Weipa with annotations. N.d.
8	2/4/7	<b>Early Exploration and Surveying - Weipa.</b>
8	2/4/7/1-60	Sixty 160x240mm B/W prints, some with annotations, of mining, dredging and other operations. Photographs cover early exploration and surveying up to the construction of ore conveyor. [Various photographers, especially W Sievers and Max Dupain], n.d. c 1961 ?
8	2/4/8	<b>Aerials of Weipa.</b>
8	2/4/8/1-8	Eight 90x118 mm C prints with descriptive annotations. Bauxite open-cut mines, ship "Darling River" being loaded, old jetty and loading facility. [G R Birrell], n.d.
8	2/4/9	<b>Function at Brisbane Plant Opening.</b>
8	2/4/9/1	Brisbane Plant Opening. One 195x240mm B/W print. Group of guests(?) beside extrusion machine. [L&D Keen], 27/7/67.
8	2/4/9/2	David Fairburn, MP, and others(?). One 200x255mm B/W group snapshot at function. N.d.
8	2/4/10	<b>Weipa(?).</b>
8	2/4/10/1-4	Four 6x6cm B/W negatives, ship at pier, building under construction, small truck. N.d.
8	2/4/11	<b>Weipa Ceremony and Operations.</b>
8	2/4/11/1-42	Group of 6x6cm C trans: twelve aerials of Weipa and coast; fifteen of ore stockpile and loading conveyor; nine of ceremony; six of Hough truck and shovel loader. N.d.
8	2/4/12	<b>Weipa Operations.</b>

Box No.	Archival Number	Description
8	2/4/12/1-31	Thirty-one 35mm trans, with some annotations: mining operations, ore stockpile, housing. N.d.
8	2/4/13	<b>Weipa - Housing and Mining Operations.</b>
8	2/4/13/1-38	Thirty-eight 35mm B/W negatives. Mining operations and housing. N.d.
8	2/4/14	<b>Correspondence.</b>
8	2/4/14/1	Letter to Melbourne University Archives from CRA Group Administrative Services covering above photographs.
8	2/4/15	<b>Old Weipa Photographs - Aborigines and housing.</b>
8	2/4/15/1	Fourteen 53x53mm B/W prints and negatives of Weipa area. 1956(?).
8	2/4/15/2	Thirteen 110x80mm B/W prints. Pier and wharf facilities under construction.
8	2/4/15/3	Nineteen 6x6cm C negatives.
8	2/4/15/4	Fourteen B/W prints approximately 200x280mm. Aboriginal housing at Weipa, early exploration and surveying. N.d.
8	2/4/16	<b>Gladstone - Early Operations</b>
8	2/4/16/1	Queensland Alumina Ltd. Typescript of Press Release, signed by J M Vanholland (Manager, Community Relations). 17/7/65.
8	2/4/16/2	Aerial. One 220x300mm B/W print of factory complex(?). N.d.
8	2/4/16/3	Early aerials. Two 190x245mm B/W prints of different views of cleared plant site with descriptive annotations and photocopies of prints with locations of plant sites marked.
8	2/4/16/4	Digester, Melbourne. One 148x205mm B/W print. Annotated: QAL, Digester transported to docks in Melbourne to be sent to Gladstone. May 1966.
8	2/4/16/5	Earth-moving and Construction Engineers. Three 195x240mm B/W prints of group photographs, some with annotations: Hugh Fulton (Kaiser Engineering), Hans Zimmermann (QAL), Jock Vanholland. [Lyn-Rae Studio, Gladstone], n.d. Plant Construction. Fourteen 155x205mm B/W prints. Some with annotations: first stages of construction of precipitator tanks at QAL Gladstone; Boiler House and Stacks at Mainland Plant Site; foundations of the Alumina Storage Building; early stages of construction of Water Reservoir. [Lyn-Rae Studio, Gladstone], 6/7/65 - 5/10/65.

Box No.	Archival Number	Description
8	2/4/16/6	Aerials. Fourteen 195x245mm B/W prints. Some annotations: South Trees Island Alumina Storage, capacity 50 000 long tons, deep water harbour, boiler House; Digestion showing heat exchangers & flash (?) vessels. N.d.
	<b>2/4/17</b>	<b>Weipa Early Operations - Oversize Prints.</b>
19	2/4/17/1	Weipa Mission shed (?). One 270x370mm B/W print. N.d.
19	2/4/17/2	Bauxite. One 255x355mm B/W print. n.d.
19	2/4/17/3	Aboriginal Housing. One 270x370mm B/W print. N.d.
19	2/4/17/4	Aboriginal Housing. 240x290mm and 270x370mm B/W prints. N.d.
19	2/4/17/5	Aboriginal woman with housing in background. One 270x370mm B/W print. N.d.
19	2/4/17/6	The first prospecting party, collecting bauxite samples from a power auger. One 270x370mm B/W print, one white and one Aboriginal workman with machinery. N.d.
	<u>2/5</u>	<u><b>ALUMINIUM / Comalco Operations 2, subject files and film.</b></u>
9	<b>2/5/1</b>	<b>Boyne Smelter</b>
9	2/5/1/1	Three 35mm trans with annotations. N.d.
9	2/5/1/2	Twenty 35mm trans, manuscript list of photograph subjects. N.d.
9	2/5/1/3	One 92x90mm C trans, aerial of Boyne Smelter. [La Trobe Colour Lab], n.d.
9	2/5/1/4	One 245x190mm B/W print of worker with aluminium pellets. [John Brown], n.d.
9	2/5/1/5	Two 195x245mm B/W prints one annotated; Left to right: The Hon. Joh Bjelke-Petersen, Queensland Premier; T Kobayashi, senior managing director - Kobe Steel; Mark Rayner, chairman - Boyne Smelters Limited; the Hon Doug Anthony, Deputy Prime Minister; John Ralph, chairman - Comalco; Mr Y. Ogawa, chairman - Sumitomo Light Metal Industries Limited and Ira Davidson, executive vice president of Kaiser Aluminium & Chemical Corporation. [Gladstone Observer], n.d.
9	<b>2/5/2</b>	<b>Bell Bay.</b>
9	2/5/2/1	Twenty-two 35mm trans with annotations. N.d.
9	2/5/2/2	One 120x95mm C trans of stacked products. N.d.



Box No.	Archival Number	Description
9	2/5/2/3	195x240mm B/W print of stacked products with descriptive caption. [Wolfgang Sievers], n.d.
9	2/5/2/4	One 190x245mm B/W print of stacked products. [John Brown], n.d.
9	2/5/2/5	Bell Bay Reduction. 190x250mm B/W prints of operations. [Wolfgang Sievers], n.d.
9	2/5/2/6	One 112x90mm B/W print of cauldron of molten metal. [John Seymour], n.d.
9	2/5/2/7	Comalco Queensland Operations. Four 35mm trans with annotations. N.d.
9	2/5/2/8	Comalco Operations. Sixteen 35mm trans some with annotations. N.d.
19	2/5/2/9	Bell Bay, workman with stacked products. One 200x260mm C print. N.d.
9	2/5/3	<b>Weipa</b>
9	2/5/3/1	Weipa Slides. Sixteen 35mm trans some with annotations.
9	2/5/3/2	Weipa - Mining Operations. Seven 190x250mm B/W prints: ore trains, stockpile, shiploading. [Wolfgang Sievers] and one 90x120mm B/W print [John Seymour], n.d.
9	2/5/3/3	Weipa Aerial - Bene/s-piling, Shipping. Three 190x240mm B/W prints with some annotations. N.d.
9	2/5/3/4	Weipa Shiploading. Five 190x250mm B/W prints, some with descriptive annotations. [Wolfgang Sievers], March 1974. One 35mm aerial trans of Weipa. N.d.
9	2/5/3/5	Weipa Stockpiling. Three 6x6cm C trans and one 6x7cm C trans. Seven 35mm trans with some annotations. Four 190x240mm B/W prints and typescript of photograph descriptions - Weipa Operations. N.d.
9	2/5/3/6	Extracted: <u>Weipa</u> , Department of Administrative Services, 16mm C sound film. N.d. See CRA film collection <del>xxx22?</del> . 107
9	2/5/4	<b>Tiwai Point.</b>
9	2/5/4/1-4	Four 190x245mm B/W prints with captions: Two portraits of Caryl Anderson and photographs of smelter. [Donald Buckley and Hazeldines Studios Ltd], n.d.
9	2/5/5	<b>Gladstone.</b>

Box No.	Archival Number	Description
9	2/5/5/1	Gladstone 35mm Slides. Four 35mm trans with some annotations. N.d.
9	2/5/5/2/1-9	Gladstone Alumina Storage. Nine 200x250mm B/W aerials of Gladstone Alumina Plant with some annotations. [Ken Redshaw], n.d.
9	<b>2/5/6</b>	<b>Aluminium Magazine.</b>
9	2/5/6/1	Images for use in Aluminium Magazine. One 65x85mm C trans, one 95x120mm C trans and one 95x120mm C negative. [Film Australia]. Five 6x6cm C trans. One 35mm trans. One 200x255mm B/W print. [Ken Redshaw], n.d. Two printed diagrams "The Nexus Between Aluminium and Energy".
9	2/5/6/2	Analytical Laboratory. Thirty-one 6x6cm C contact prints and twenty-three C negatives. Support Services, Analytical Laboratory, Pyromet, hydromet, mechanical. N.d.
9	<b>2/5/7</b>	<b>Argyle Diamond Sales.</b> Estray ??? tran to misce???
9	2/5/7/1	Argyle Diamond Sales. Ten 6x7cm C contact prints of Argyle Diamonds exhibition. N.d.
9	<b>2/5/8</b>	<b>"New South Wales Base Metal Mines."</b> Estray ??? to miscell ???
9	2/5/8/1-10	"New South Wales Base Metal Mines." Eight 190x243mm B/W prints. One 120x175mm and one 90x125mm B/W print. Some descriptive annotations: Woodlawn, Broken Hill, Sulphide Corporation, Zinc Corporation. N.d.
	<b><u>2/6</u></b>	<b><u>ALUMINIUM - COMALCO OPERATIONS; Manapouri and Bluff.</u></b>
9	<b>2/6/1</b>	<b>Manapouri.</b>
9	2/6/1/1	Early photographs. Four 155x205mm B/W prints of Lake Manapouri and surrounds. [National Publicity Studios, Wellington NZ.] Typescript of descriptive captions to photographs. N.d.
9	2/6/1/2	Weipa and New Zealand, R A Sandberg(?). Group of 115x165mm B/W prints. Aeroplane with personnel at Manapouri and five aerial photographs of rivers and bays in New Zealand. Five photographs of Weipa: mine face, ore stockpile and Weipa township(?). View of Zinc Corporation at Broken Hill. Unidentified man and roadsign pointing to Ruapuke Island. View of 95 Collins St, Melbourne under construction. February 1961.
9	2/6/1/3	Manapouri Power Scheme. Photographic print of artist's impression of West Arm Intake and

Box No.	Archival Number	Description
		Switchyard at Manapouri. Bechtel Corporation April 1962.
9	2/6/1/4	Road Works. Four 155x205mm B/W prints of road construction works at Manapouri. With some annotations. Two 205x155mm B/W prints of old works in Manapouri area. [New Zealand Herald and Weekly Times], n.d.
9	2/6/1/5	Construction Work. Eleven 160x205mm B/W prints. Some of construction workers, others views of area. One dated 20/6/66.
9	2/6/1/6	Tunnelling and machine hall. Five 150x205mm B/W prints of Manapouri area before construction. Descriptive captions: the nature of the country through which tunnels must be dug. [Grant Graham], n.d. One photographic print of artist's impression of underground machine hall. Four different 205x155mm B/W prints of machine hall during construction.
10	2/6/1/7	Construction. Eight 150x205mm B/W prints of road and other outside construction work. Some annotation. N.d. Machine hall. One 150x210mm B/W print. N.d.
10	2/6/1/8	Tunnelling. Five 145x200mm B/W prints of "tail race" tunnel under construction with some annotations. One 170x250mm B/W print of machine hall. n.d.
10	2/6/1/9	Views. Two 245x190mm B/W prints of Manapouri area. N.d. (but before construction work). One view of Bay(?) n.d.
10	2/6/1/10	Aerials. Six B/W prints various sizes of Manapouri area. [N.Z. Aerial Mapping, Wolfgang Sievers, Whites Aviation Ltd.] One 190x240mm B/W print of river. One 150x205mm B/W print of construction site and housing at night.
10	2/6/1/11	Construction workers and area. Five 240x195mm B/W prints with some annotations. Construction worker with drill, two construction workers in bucket, aerial views of Manapouri. [New Zealand Herald], n.d.
10	2/6/2	<b>Manapouri and Bluff</b>
10	2/6/2/1	Set of colour views of Lake Manapouri and surroundings. 120x170mm prints and proofs. N.d.
10	2/6/2/2	Geologists crossing stream at Manapouri. 150mm strip of 35mm motion picture negative. B/W contact print of same. N.d.
10	2/6/3	<b>Bluff Smelter</b>

Box No.	Archival Number	Description
10	2/6/3/1	Aerial. Copies of 195x240mm B/W print. Access bridge under construction, with newspaper cutting description. [Hazeldines Studio], 1969.
10	2/6/3/2	Causeway construction(?). 210x150mm B/W print. N.d.
10	2/6/3/3	Start of causeway. 150x210mm B/W print with caption. N.d.
10	2/6/3/4	Aerial of proposed development with installations marked.
10	2/6/3/5	Truck carrying gravel for causeway. 160x205mm B/W print. [Hazeldines Studio], n.d.
10	2/6/3/6	Aerial of Tiwai Point. [Commonwealth Photographic Co], n.d.
10	2/6/3/7	Laying foundations at smelter construction site. 245x197mm B/W print. 1969.
20	2/6/3/8	Foundations for green carbon plant, Bluff Smelter. 245x197mm print. [Hazeldines Studio], 1969.
10	2/6/3/9	Tiwai Point smelter site. 247x197mm B/W print. [Hazeldines Studio], 1969.
10	2/6/3/10	Erecting wooden frames of building on smelter site. 245x198mm B/W print. [Hazeldines Studio], October 1969.
10	2/6/3/11	Aerials of Tiwai point and Bluff township. Several 178x126mm C prints and proofs. N.d., but pre-development.
10	2/6/3/12	Aerials of Tiwai Point looking towards Awarua Bay. As 2/6/3/11.
10	2/6/3/13	Aerial of Tiwai Point and Bluff township. Two B/W prints 218x165mm and 249x199mm. [Hazeldines Studio], n.d., but pre-development.
10	2/6/3/14	Aerial of causeway being constructed from mainland to Tiwai Point. 248x199mm B/W print. c 1969.
10	2/6/3/15	Laurie Ellis looking out towards Tiwai Point with Bluff in the background. 245x198mm B/W print. [Hazeldines Studio], 23 October 1968.
10	2/6/3/16	The southernmost port in New Zealand, Bluff. This view shows the deep water port and, in the background, Tiwai Point, a likely site for a smelter. Multiple copies of 253x204mm B/W print. [Whites Aviation Ltd], n.d.
10	2/6/3/17	Bruce Farmer and John Weston. 200x150mm B/W print. [Dieter Muller Photography], n.d.

Box No.	Archival Number	Description
10	2/6/3/18	Velco potline: view of smelter plant equipment. 253x205mm B/W print. [Copy made by Herrington and Olsen, California], n.d.
10	2/6/4	<b>Bluff Smelter - Early Aerial Photographs.</b>
10	2/6/4/1	Very high aerial composite view of Bluff Harbour and surrounds. One 205x253mm B/W print. [John Squire Photography], n.d.
10	2/6/4/2	Aerial views of Bluff smelter site before development. Strip of twelve 90x80mm B/W rough proofs with typescript covering letter. [Southland Times], 8/5/1969.
10	2/6/4/3	Aerial of plant site looking towards township. Copies of 256x206mm B/W print. [White's Aviation Ltd], n.d. pre-development.
10	2/6/4/4	Aerial of plant site and township across bay. Copies of 250x195mm B/W print. [Wolfgang Sievers], n.d.
10	2/6/4/5	Aerial of township and existing port facilities, looking towards smelter site. Copies of 249x205mm B/W print. [Whites Aviation], n.d.
10	2/6/4/6	View from behind township, looking over the Island Harbour and bay to the plant site. Copies of 249x205mm B/W print. [Whites Aviation Ltd], n.d.
10	2/6/4/7	Aerial of Island Harbour. 253x206mm B/W print. N.d.
10	2/6/4/8	Aerial view across smelter site to township. Copies of 247x190mm B/W print. [Wolfgang Sievers], n.d.
10	2/6/4/9	View of smelter site from Island Harbour. Two copies 212x158mm and 245x202mm B/W print. N.d.
10	2/6/4/10	High aerial view of Tiwai Point, Bluff Harbour and township. Multiple copies of 258x204mm B/W print. [Whites Aviation], n.d.
10	2/6/4/11	Aluminium smelter site looking across Bluff Harbour. Copies of 211x159mm B/W print. [Hazeldines Studios], n.d.
10	2/6/4/12	Tiwai Peninsula and Bluff Harbour. One 125x99mm C trans. [Tom Lloyd of Otago Daily Times], 15 December 1968.
	<u>2/7</u>	<u>ALUMINIUM: COMALCO OPERATIONS; Yennora.</u> Group of large B/W prints, n.d. but c 1980.
10	2/7/1	Moving rolled aluminium sheet in mill. 254x195mm. [Douglass Baglin Pty. Ltd.], n.d. (two copies).
10	2/7/2	Worker in control room of mill. 190x250mm. [Max Dupain], n.d. (two copies).

12.

Box No.	Archival Number	Description
10	2/7/3	Hot mill (?). 195x254mm. [Max Dupain] n.d. (two copies).
10	2/7/4	Rolled foil. 254x195mm. [Wolfgang Sievers] c.1980, (five copies).
10	2/7/5	As above, variation. 254x195mm. [Wolfgang Sievers], c.1980, (three copies).
10	2/7/6	As above, variation. 250x190mm. [Wolfgang Sievers] c.1980, (two copies).
10	2/7/7	Rolling foil, worker at controls. 252x202mm. [Polkinghorne & Stevens Pty. Ltd.] c.1980.
10	2/7/8	Cutting rolled foil to size. 252x202mm [Polkinghorne & Stevens Pty. Ltd.], c.1980.
10	2/7/9	Long view of foil-rolling operation. 242x193mm. [Wolfgang Sievers], c.1980.
10	2/7/10	Close view of foil-rolling. 252x205mm. [Max Dupain], n.d.
10	2/7/11	View of final double rolling of foil. 252x205mm. [John Squire Photography], c.1980.
10	2/7/12	View of extrusion equipment and aluminium shapes. 250x190mm. [Wolfgang Sievers], c.1980 (two copies).
10	2/7/13	As above, variation. 193x249mm. [Wolfgang Sievers], c.1980.
10	2/7/14	Male worker handling extruded aluminium shapes. 253x206mm. N.d., (six copies).
10	2/7/15	As above, variation. 253x206mm. N.d.
10	2/7/16	Female worker handling extruded aluminium shapes. 202x253mm. N.d.
10	2/7/17	View along aluminium shape being extruded. 191x245mm. [Wolfgang Sievers], n.d.
10	2/7/18	No. 3 cold mill. Sheet of twelve 6x6cm contact prints. [Svend Johnbeck], n.d.
10	2/7/19	The Hunter 1500mm four-high mill. 248x145mm. N.d., (three copies).
10	2/7/20	As above, variation. 250x188mm. n.d., (two copies).
10	2/7/21	Rolling aluminium sheet. 192x250mm. [Wolfgang Sievers], n.d., (five copies).
10	2/7/22	As above, variation. 247x189mm. [Wolfgang Sievers], n.d.

Box No.	Archival Number	Description
10	2/7/23	Watanabe slitter in mill. 257x170mm. [John Seymour Productions], n.d. (two copies).
10	2/7/24	As above, variation. 257x170mm. [John Seymour Productions], n.d. (two copies).
10	2/7/25	As above, variation. 257x185mm. [John Seymour Productions], n.d.
10	2/7/26	Coiled aluminium sheet from cold mill is slit to specified width on Watanabe slitter. 237x202mm. [John Seymour], n.d.
10	2/7/27	Coils of aluminium sheet at Comalco's plant at Sydney. 254x189mm. N.d., (thirty-eight copies).
10	2/7/28	No. 3 cold mill. 257x207mm. N.d.
10	2/7/29	Mill for sheet aluminium. 253x165mm. [Max Dupain], n.d. (five copies).
10	2/7/30	Control room of furnace (?). 203x219mm. N.d., (three copies).
10	2/7/31	Molten aluminium in trough. 203x253mm. N.d., (three copies).
10	2/7/32	Section of air flow floor. 164x123mm. Rough proofs. [John Squire Photography], 1977 (?).
10	2/7/33	Extruded aluminium floor (?). 122x95mm. rough proofs. [John Squire Photography], 1977.
10	2/7/34	Section and endcasting of airflow floor. <u>Aluminium</u> magazine, No. 18. Reinforced Plastics. 254x202mm. [John Squire Photography], January 1977.
10	2/7/35	Section of airflow floor. <u>Aluminium</u> , No. 18, Reinforced Plastics Pty. Ltd., Rough proofs. [John Squire Photography], January 1977.
10	2/7/36	Typical stacks of assorted extruded sections at Comalco's Sydney mill products plant. 191x248mm. [Wolfgang Sievers], n.d. (two copies).
10	2/7/37	As above, variation. 250x193mm. [Wolfgang Sievers], n.d.
10	2/7/38	As above, variation. 197x245mm. [Wolfgang Sievers], n.d. (two copies).
10	2/7/39	As above, variation. 192x249mm. [Wolfgang Sievers], n.d. (six copies).
10	2/7/40	Freshly processed aluminium extrusions at the Yennora N.S.W. semi-fabricating plant of Comalco Industries. 202x253mm. [Max Dupain], n.d.

Box No.	Archival Number	Description
11	2/7/41	Extruded sections. 245x190mm. [Wolfgang Sievers], n.d. (two copies).
11	2/7/42	As above, variation. 193x242mm. [Wolfgang Sievers], c.1980 (three copies).
11	2/7/43	As above, variation. 190x245mm. [Wolfgang Sievers] n.d.
11	2/7/44	Cutting extruded shapes to size. 257x202mm. [Polkinghorne & Stevens Pty. Ltd.], n.d. (six copies, one mounted).
11	2/7/45	Aerial view of Yennora mill. 258x203mm. N.d., (four copies).
11	2/7/46	Digital-based computer system at Comalco's remelt plant. 245x203mm. N.d.
11	2/7/47	Furnace at remelt plant (?). 253x202mm. N.d., (two copies).
11	2/7/48	Control room of furnace (?). [Variation of 30 above.] 253x202mm. N.d., (two copies).
11	2/7/49	View from above of aluminium plate stretching. 158x206mm. [Polkinghorne and Stevens Pty. Ltd.], n.d.
11	2/7/50	Ground level view of aluminium plate stretching. 250x190mm. [Wolfgang Sievers], n.d. (nine copies).
11	2/7/51	View from above of aluminium plate stretching. Various sizes, approx. 240x197mm. N.d., (seven copies, including one negative print).
11	2/7/52	Plate stretching (variation of 50 above). 190x248mm. [Wolfgang Sievers], n.d. (four copies).
11	2/7/53	Testing of aluminium sheet. 201x253mm. [Dieter Muller Photography], n.d.
11	2/7/54	Male workers discussing welding of aluminium structure. 201x253mm. [Dieter Muller Photography], n.d.
11	2/7/55	Testing aluminium sheet for thickness. 252x201mm. [Dieter Muller Photography], n.d.
11	2/7/56	Warm mill. 227x202mm. N.d., (five copies).
11	2/7/57	Male worker at controls of slitter. 250x202mm. [John Seymour Productions], n.d.
11	2/7/58	Sheet of four 6x6cm contact prints of Yennora hot finishing mill. [John Seymour], August 1976.



Box No.	Archival Number	Description
11	2/7/59	Hot finishing mill. 215x164mm. [John Seymour], August 1976.
11	2/7/60	As above, variation. 254x161mm. [John Seymour], August 1976.
11	2/7/61	Sheet of eight 6x6cm contact prints of Yennora warm mill. [John Seymour], November 1976, (two copies).
11	2/7/62	Cold mill. 202x236mm. [John Seymour Productions], n.d.
11	2/7/63	Warm mill. [Variation of 56 above]. 233x203mm. N.d.
11	2/7/64	Birlel (?) coil annealers. 254x203mm. N.d.
11	2/7/65	Die-making stages at Aclos Tool and Die Company Pty. Ltd. a member of Comalco Industries Pty. Ltd. Inspector Lou Swartz demonstrates a 3'6" radial drill. 254x195mm. N.d.
11	2/7/66	Aclos Tools. 250x173mm. [Polkinghorne & Stevens Pty. Ltd.], n.d.
11	2/7/67	Manufacturing extrusion dies. 252x200mm. N.d.
11	2/7/68	Die-making stages at Aclos Tool and Die Company Pty. Ltd. Contour milling on a hollow extrusion die. 199x252mm. N.d.
11	2/7/69	Die-making stages at Aclos Tool and Die Company. Tempering the metal in the completed die. 254x195mm. N.d.
11	2/7/70	Die-making stages at Aclos Tool and Die Company Pty. Ltd. A general view of the workshop. 254x180mm. N.d.
11	2/7/71	Shaped aluminium sheet being extruded. 250x202mm. N.d., (five copies).
11	2/7/72	Cutting aluminium sheet to length (?). 250x202mm. [Polkinghorne & Stevens Pty. Ltd.], n.d., (three copies).
11	2/7/73	Shaped aluminium sheet being stacked. 202x259mm. [Brian Hart Photography], n.d. (six copies).
11	2/7/74	Roofing roll former. 203x252mm. N.d., (six copies).
11	2/7/75	As above, variation. 192x247mm. [Val Foreman Photography], n.d.
11	2/7/76	Rolls of aluminium sheet for annealing. 197x251mm. [Polkinghorne & Stevens Pty. Ltd.], n.d.
11	2/7/77	As above, variation. 253x198mm. N.d.

Box No.	Archival Number	Description
11	2/7/78	Packaging of cut aluminium shapes. 253x205mm. N.d.
11	2/7/79	Cutting of aluminium shapes. 187x251mm. [Polkinghorne & Stevens], n.d.
11	2/7/80	Handling rolling block at Yennora. 193x252mm. [Wolfgang Sievers], n.d., (three copies).
11	2/7/81	As above, variation. 195x249mm [Wolfgang Sievers], n.d., (four copies).
11	2/7/82	As above, variation. 190x252mm. [Max Dupain], n.d.
11	2/7/83	Placing rolling block on to rollers. 192x250mm. [Wolfgang Sievers], n.d., (two copies).
11	2/7/84	Polishing surface of rolling block. Two copies: one, 192x247mm; one, 195x131mm. [Val Foreman], n.d.
11	2/7/85	As above, variation. 244x197mm. [Wolfgang Sievers], n.d.
11	2/7/86	Yennora: new (?) pits for hot mill blocks. 252x198mm. [Polkinghorne & Stevens], March 1968.
11	2/7/87	Rolling aluminium sheet. 246x191mm. [Wolfgang Sievers], n.d., (four copies).
11	2/7/88	As above, variation. 250x192mm. [Wolfgang Sievers], n.d. (two copies).
11	2/7/89	Hot mill. 256x196mm. [Douglass Baglin Pty. Ltd.], n.d. (three copies).
11	2/7/90	As above, variation. 251x194mm. [Max Dupain], n.d.
11	2/7/91	As above, variation. 191x249mm. [Wolfgang Sievers], n.d. (six copies).
11	2/7/92	Aluminium foil. 257x155mm. N.d., (eight copies).
11	2/7/93	Coiled aluminium sheet. 242x190mm. [Wolfgang Sievers], n.d. (three copies).
11	2/7/94	Rolling blocks entering hot mill. 245x194mm. [Wolfgang Sievers], n.d. (three copies).
11	2/7/95	Operator handling coil of aluminium coming off the hot line. 252x190mm. [Max Dupain], n.d. (seven copies).
11	2/7/96	Securing aluminium coil. 189x250mm. [Max Dupain], n.d. (three copies).
11	2/7/97	Coiled aluminium sheet. 250x185mm. [Max Dupain], n.d. (two copies).
11	2/7/98	As above, variation. 248x185mm. [Max Dupain], n.d.

Box Archival  
No. Number

Description

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11 2/7/99 Aluminium Mill. 242x181mm. [Wolfgang Sievers], n.d.  
(five copies).

Box No	Archival Number	Description
11	<u>2/8</u>	<u>ALUMINIUM - KAISER OPERATIONS.</u> Group of B/W prints approx 205x250mm. Prints show various aspects of Kaiser's aluminium operations. Kaiser Aluminium and Chemical Corporation is a US based company which was a part shareholder in Comalco when it was established in 1960. Most photographs n.d. but some dated 1961.
11	2/8/1	High speed aluminium crane takes 10,000lb aluminium ingot from soaking pits to the hot line at Kaiser Aluminium's Ravenswood rolling mill. N.d.
11	2/8/2	Worker shown on the job using the individual air-conditioning system developed by the medical and engineering departments of the Chalmette, La., plant of Kaiser Aluminium & Chemical Corporation. N.d.
11	2/8/3	Model of fifteen-floor Aluminium and Glass MCA Tower is set against skyline at Universal City in Southern California. N.d.
11	2/8/4	One of Kaiser Bauxite Company's eight new all-aluminium bodied trucks. N.d.
11	2/8/5	The first delivery of Kaiser Chemical's fluorocarbon products in the company's new 145 pound aluminium cylinders arrives at Thermal Products Inc., in Los Angeles. N.d.
11	2/8/6-10	Kaiser Centre: five different views. N.d.
11	2/8/11	In the foreground are the precipitator tanks. The secondary thickeners are centred with dust reslurry tanks in the lower centre. Gramercy, Louisiana, Kaiser Aluminium & Chemical Corporation. N.d.
11	2/8/12	Aluminium in birds nest. N.d.
11	2/8/13	These aluminium ingots - weighing 5,000 pounds each - are flattened between the rolls of a huge "hot" mill as the first step in the rolling process that produces sheet and plate. N.d.
11	2/8/14	The "Cabrillo", a 65 foot all-aluminium excursion vessel, is shown under way following its recent launching. N.d.
11	2/8/15	The first aluminium culvert pipe in Hawaii is being manufactured by the Pacific Hawaiian Culvert Company. 4 May 1961.
11	2/8/16	Aluminium container in the form of a Dutch shoe designed to catch the consumer's eye. April 1961.
11	2/8/17	Texaco Building. Aluminium windows(?). N.d.

Box No	Archival Number	Description
11	2/8/18	The Operator controlling the 168 inch breakdown mill at Kaiser Aluminium Ravenswood Works ... has his station in a pulpit that straddles the rolling table and looks much like a modernistic aluminium horse. N.d.
11	2/8/19	Slitting a coil of sheet at the Ravenswood Works. N.d.
11	2/8/20	Both sides of a big ingot can be scalped at once in this big two-side milling machine at the Ravenswood Works in preparation for rolling. N.d.
11	2/8/21	"View of the 30,000,000 pound plate stretcher installed at Kaiser Aluminium Ravenswood Works". N.d.
11	2/8/22	Aluminium slab, about 4-inches thick, goes to six inch shear, where its ends are cropped, at Kaiser Aluminium's Ravenswood, West Virginia Works. N.d.
11	2/8/23	A heavy duty lift truck carries a crucible of primary aluminium through the covered passageway from the potlines of the Ravenswood Plant to the central casting department, where the metal is alloyed and cast into rolling ingots for use in the adjoining sheet, plant and foil rolling mill. N.d.
11	2/8/24	Central casting department. N.d.
11	2/8/25	Aerial view of Kaiser Aluminium's Ravenswood Works. N.d.
11	2/8/26	Crucible of aluminium at potlines. N.d.
11	2/8/27	Delivery side of 72" mill at Kaiser Aluminium's Ravenswood Works. N.d.
11	2/8/28	Aerial view of Kaiser Aluminium's Chalmette, Louisiana Plant. N.d.
11	2/8/29	A completely new type of highway bridge, making use of the aluminium cellular components, is being marketed by Kaiser Aluminium & Chemical Corporation. N.d.
11	2/8/30	From pig to pin thin wire. N.d.
11	2/8/31	Hand forging on 2,000 ton hydraulic press at Kaiser Aluminium's Erie, Pa., plant. N.d.
11	2/8/32	View down one of the potlines at the Ravenswood Works. c 1960.
11	2/8/33	Aluminium wire. N.d.

Box No	Archival Number	Description
11	2/8/34	Press crew member checks the surface quality of a heavy press extrusion as it leaves the "exit" end of one of the two 8,000-ton presses at Kaiser Aluminium's Halethorpe, Md., extrusion plant. N.d.
11	2/8/35	All-welded aluminium hull for a 32-foot gillnetter is lifted from jig at Matsumoto Shipyards, Ltd, North Vancouver, B.C. N.d.
11	2/8/36	Damaged parts from V-8 racing engine. The aluminium rods show no distortion at the pin or crank bores and proved stronger than the crankshaft itself. Includes accompanying press release. 103x127mm B/W print. August 1961.
11	2/8/37	Pulpit of 168" rolling mill, Ravenswood Works of Kaiser Aluminium. N.d.
11	2/8/38	A view down the potline at Kaiser Aluminium's Ravenswood Works. N.d.
11	2/8/39	Ravenswood Works 100-inch continuous 5-stand rolling mill provides the final reductions on the hot line. N.d.
11	2/8/40	The 110-inch reversing mill, second of the big rolling mills of the hot line at Kaiser Aluminium's Ravenswood works. N.d.
11	2/8/41	Pilot model all-aluminium gillnetter is taken on a trial spin near Vancouver, B.C. N.d.
11	2/8/42-45	Views of various building applications of aluminium. N.d.
11	2/8/46-47	Household aluminium products: Kaiser Foil, ashtrays and games. N.d.
11	2/8/48	Household aluminium products: aluminium foil strips for preparation of filet mignon. July 1961.
11	2/8/49	Household aluminium products: disposable aluminium percolator baskets. N.d.
11	2/8/50	Household aluminium products: disposable aluminium cake trays. N.d.
11	2/8/51	View of alumina unloading facilities at Kilimat, British Columbia, with explanatory caption. Two copies of 175x255mm B/W print. N.d.
11	2/8/52	Typescript copy of captions for three photographs. One listed in above.

Box No	Archival Number	Description
11	2/9/1	<b>Photographs taken by newspaper representatives on visit to Cobar, November 1965. Group of 253x205mm B/W prints. [Wal Harrison.]</b>
11	2/9/1/1	Equipment (?). (Three copies.)
11	2/9/1/2	View inside research laboratory.
11	2/9/1/3	Skycraft, conveyor and ore bins. (Three copies.)
11	2/9/1/4	Headframe(?). (Four copies.)
11	2/9/1/5	Underground repair shop for mechanical equipment. (Three copies.)
11	2/9/1/6	Concentrator control room.
11	2/9/1/7	Two-boom jumbo in operation. (Two copies.)
11	2/9/1/8	Miners returning to the surface in elevator. (Two copies.)
11	2/9/1/9	View of warehouse and workshop and change rooms(?). (Four copies.)
11	2/9/1/10	Aerial view of Cobar copper mine. (Three copies.)
11	2/9/1/11	View of site (from winding tower(?)). (Two copies.)
11	2/9/1/12	View from top of winding tower showing concentrator under construction. (Four copies.)
11	2/9/1/13	Extended view of Cobar Mines Pty Ltd Office. (Four copies.)
11	2/9/1/14	View of change rooms from winding tower. (Three copies.)
11	2/9/1/15	Close-up of Cobar Mines Pty Ltd Office. (Two Copies.)
12	2/9/1/16	Jumbo in operation.
12	2/9/1/17	Carrying out repairs on a large front end loader. (Two copies.)
12	2/9/1/18	Setting explosives.
12	2/9/1/19	Scoop for loading underground.
12	2/9/1/20	Diesel-engined mining scoop loading ore. (Two copies.)
12	2/9/1/21	Group of miners (and some press?) ready to go underground.
12	2/9/1/22	View of plant.

Box No	Archival Number	Description
12	2/9/1/23	Interior of main workshop.
12	2/9/1/24	View of ore bins feeding into autogenous grinding mill.
12	2/9/2	<b>General Cobar Photographs.</b>
12	2/9/2/1	Diesel-engined mining scoop. Three copies of 215x164mm B/W print. 1964/65.
12	2/9/2/2	Concentrator control room. Two copies of 215x164mm print. 1965.
12	2/9/2/3	View of entrance to Cobar Mines Pty Ltd Office. Three copies of 215x164mm B/W print. 1965.
12	2/9/2/4	View of headframe and conveyor from car park. Two copies of 215x164mm B/W print. 1965.
12	2/9/2/5	Pt 10 Wagner scaling vehicle underground. Four copies of 156x210mm B/W print. N.d.
12	2/9/2/6	View of headframe, conveyor, ore bins and grinding mill. Three copies of 215x164mm B/W print. 1965.
12	2/9/2/7	Aerial view of Cobar Mine site. Two copies of 215x164mm B/W print. 1965.
12	2/9/2/8	View of Autogenous Grinding Mill and Concentrator Substation with winder tower in background. Two copies of 245x195mm B/W print. 8 October 1966.
12	2/9/2/9	Three views of first headframe erected at Cobar c July 1961; four views of miner drilling underground. All B/W prints approx 141x89mm. All labelled "Cobar Mines Memo C.154/61 dated 26 July 1961, see Broken Hill South Annual General Meeting 1961 file." c 1961.
12	2/9/2/10	View of headframe, conveyor and ore bins. 6x6cm C neg in faded condition. N.d.
12	2/9/2/11	Aerial of Cobar Mine site. One 125x99mm C trans. N.d.
12	2/9/2/12	Laying pipes. 54x54mm C trans. N.d.
12	2/9/2/13	Autogenous grinding mill at Cobar. One 54x54mm C trans. N.d.
12	2/9/2/14	Flotation floor of concentrator showing 'Denver' flotation cells. One 80x80mm C print and 54x54mm C trans. N.d.
12	2/9/2/15	Pt 10 Wagner scaling vehicle underground. Six different 125x99mm B/W negs and one B/W contact print of same. N.d.



Box No	Archival Number	Description
12	2/9/2/16	Pt 10 Wagner scaling vehicle underground. One 125x99mm C trans and two 45x57mm C negs of same. N.d.
12	2/9/2/17	Aerial view of Cobar mine site. 6x6cm C trans. N.d.
12	2/9/2/18	Aerial view of Cobar Office in Cobar Township(?). One 6x6cm C trans. N.d. but pre-1974.
12	2/9/2/19	View of Cobar Mine at night. Three copies of 208x163mm B/W print. N.d.
12	2/9/2/20	View of Cobar Mine at night. One 249x193mm B/W print. N.d.
12	2/9/2/21	Underground drilling. One 215x164mm B/W print. 1965.
12	2/9/3	<b>Models of Cobar Plant.</b>
12	2/9/3/1-4	Model of 30,000 T.P.P. copper concentrator. Four different 247x194mm B/W prints, n.d.
12	2/9/3/5-6	Model of headframe and buildings. Two different 245x200mm C prints. c 1971.
12	2/9/3/7-10	As above. Four different 203x259mm B/W prints. c 1971(?).
12	2/9/4	<b>Opening Ceremony at Cobar.</b>
12	2/9/4/1	??? speaking at Cobar Opening. Two copies of 246x195mm B/W print. 8 October 1966.
12	2/9/4/2	??? speaking at Cobar Opening. Two copies of 246x195mm B/W print. 8 October 1966.
12	2/9/4/3	??? speaking at Cobar Opening. Two copies of 246x195mm B/W print. 8 October 1966.
12	2/9/4/4	View of guests at opening speeches. One 246x195mm B/W print. 8 October 1966.
12	2/9/4/5	Opening, view of ??? speaker from rear of audience. One 246x195mm B/W print. 8 October 1966.
12	2/9/4/6	View of guests at opening. One 246x195mm B/W print. 8 October 1966.
12	2/9/5	<b>Housing at Cobar.</b>
12	2/9/5/1-10	Views of employee housing at Cobar, some Company-owned, some purchased under the Company home ownership scheme. 170x115mm C prints with some annotations. N.d.
12	2/9/5/11-18	Rough proofs of aspects of Cobar mine site. 120x94mm C prints. N.d.

Box No	Archival Number	Description
12	2/9/5/19	Miners returning to the surface. 170x117mm C print. N.d.
12	2/9/5/20	Rough proofs of glass-fronted building lit at night. C prints approx 125x115mm; with view of same building in day, 246x194mm B/W print. N.d.
12	<b>2/9/6</b>	<b>Cobar Miscellaneous.</b>
12	2/9/6/1	J Collins, Director of Cobar 1967-68(?). Two copies of 157x123mm B/W portrait. N.d.
12	2/9/6/2-9	Views of autogenous grinders at Cobar and Kamantoo Mines(?). Two 37x103mm B/W and six 37x125mm C prints. [Shoemaker of Becontel], n.d.
12	2/9/6/10-22	Underground operations at Cobar. Thirteen 80x30mm C proofs. [Arthur Cratchley & Associates], n.d.
12	2/9/6/23	Close view of generator in power house. One 199x243mm B/W print and two 94x115mm C proofs. [Arthur Cratchley & Associates], n.d.
12	2/9/6/24	Cobar ((?) - check date range). Two different 73x95mm C prints. 21/6/71.
12	2/9/6/25	Cobar Experimental Photographs, of prismatic compass. One 50x250mm B/W composite print; six different 125x260mm B/W prints; and six different 250x200mm B/W prints. Covering memorandum. 15/9/71.
	<b>2/9/7</b>	<b>Cobar Mines Pty Ltd, Progress Photographs of C.S.A. Project.</b> Photograph album containing 30x113mm C prints with captions within two subject categories as noted in list.
19	2/9/7/1	<b>Surface:</b>
19	2/9/7/1/1	View of Headframe, Conveyor & Concentrator, looking east. January 1965.
19	2/9/7/1/2	Grinding Mill nearing completion. January 1965.
19	2/9/7/1/3	C.I. Conveyor Belt installation. February 1965.
19	2/9/7/1/4	View of Powerhouse Interior. March 1965.
19	2/9/7/1/5	View Looking East, Showing Grizzley & Rock Boxes over Ore Bins. March 1965.
19	2/9/7/1/6	Grinding Mill completed. March 1965.
19	2/9/7/1/7	Warehouse & Workshop, Showing Lettering on Northern Wall. March 1965.
19	2/9/7/1/8	View of Workshop Floor. April 1965.

Box No	Archival Number	Description
19	2/9/7/1/9	No. 2 Shaft Production Winder Drivers Control Desk. April 1965.
	2/9/7/1/10	No 2 Shaft Production Winder Prior to Rope Installation. April 1965.
	2/9/7/1/11	General View Grinding Mill Area. April 1965.
	2/9/7/1/12	Temporary Water Storage Tank. April 1965.
	2/9/7/1/13	No 2 Shaft Production Winder, No 1 Motor Generator Set. April 1965.
	2/9/7/1/14	250,000 Gal Cobar Water Board C.S.A. Reservoir nearing completion. April 1965.
	2/9/7/1/15	Commencement of Tailings Dam. April 1965.
	2/9/7/1/16	View of Site Looking South East. May 1965.
	2/9/7/1/17	Concentrator Control Room during Commissioning. May 1965.
	2/9/7/1/18	Flotation Thickeners. 150' Dia. Thickener in background. June 1965.
	2/9/7/1/19	Commencement of Sand Storage Bins. June 1965.
	2/9/7/1/20	Erection of Formwork for Eastern Ore Bin Columns. June 1965.
	2/9/7/1/21	Flotation Floor of Concentrator showing 'Denver' Flotation Cells. June 1965.
	2/9/7/1/22	Tailings Dam completed. July 1965.
	2/9/7/1/23	Erection of Rails in Eastern Ore Bins. August 1965.
	2/9/7/1/24	Sand Storage Bins Nearing Completion. September 1965.
	2/9/7/1/25	Commencement of Dismantling of Sinking Headframe. September 1965.
	2/9/7/1/26	Eastern Ore Bins Nearing Completion. October 1965.
	2/9/7/1/27	Sinking Headframe Removed. Erection Skyshaft Steelwork in progress. November 1965.
	2/9/7/1/28	Sand Storage Bins Completed. November 1965.
	2/9/7/1/29	Skip-Cage Being Moved into Position at No 2 Shaft Brace. November 1965.
	2/9/7/1/30	Solo Skip Being Positioned at No 2 Shaft Brace. December 1965.
19	2/9/7/1/31	132 kV. Substation completed. December 1965.

Box No	Archival Number	Description
19	2/9/7/1/32	Anchorage Floor on No 2 Shaft Friction Winder. December 1965.
	2/9/7/1/33	Site Beautification around Administration Building. December 1965.
	2/9/7/1/34	Skip Cage Approaching No 2 Shaft Brace. December 1965.
	2/9/7/1/35	View of Site From Car Park. December 1965.
	<b>2/9/7/2</b>	<b>Underground</b>
	2/9/7/2/1	Tranloader Mucking in Crusher Excavation. March 1965.
	2/9/7/2/2	1300' Level Sub-Station. February 1965.
	2/9/7/2/3	Stoping Jumbo Drilling Down Holes in Crusher Excavation. April 1965.
	2/9/7/2/4	Commencement of 1200' Level East Incline Drive. April 1965.
	2/9/7/2/5	Crusher Foundation Formwork Nearing Completion. May 1965.
	2/9/7/2/6	Stope Jumbo Boring Development Stripping in East Sill Drive. May 1965.
	2/9/7/2/7	Pt 10 Wagner Scaling Vehicle prior to installation underground. May 1965.
	2/9/7/2/8	Pouring concrete foundations for 60" x 48" at 1300' Level.
	2/9/7/2/9	Diamond Drilling at 1300' Level. June 1965.
	2/9/7/2/10	No 2 Shaft Pipe Changeover Flame Cutting for pipe removal at 900' Level. June 1965.
	2/9/7/2/11	Up hole charging with Anfo in the first lift in the 1200' Level East Stope. July 1965.
	2/9/7/2/12	Barring Down in 1200' Level East Stope. August 1965.
	2/9/7/2/13	1200' Level Sloping Grizzly Installation. August 1965.
	2/9/7/2/14	Drillers operating Stope Jumbo on Western Ore Body Sill Stripping. August 1965.
	2/9/7/2/15	Measuring rock deformation across a flat jack during pressurizing. September 1965.
19	2/9/7/2/16	S.T.5 Boggging in Western Ore Body. September 1965.

Box No	Arrival Number	Description
19	2/9/7/2/17	1800' Level Eastern Ore Body Bin chute & Loading Pocket Conveyor Under Construction. September 1965.
	2/9/7/2/18	Barring Down in 1200' Level East Stope on Pt 10. October 1965.
	2/9/7/2/19	Positioning of Concrete Pipes in East Stope for Emergency Access and Airway. November 1965.
	2/9/7/2/20	Stope Jumbo drilling up holes in Western Ore Body Stripping. November 1965.
	2/9/7/2/21	Sand Fill in Situ in East Stope. 1200' Level.
	2/9/7/2/22	Weathering Tests on Dust Samples at 1200' L. November 1965.
	2/9/7/2/23	Emergency Stope Access Ladderways & Staging. December 1965.
	2/9/7/2/24	Installation of Grizzley under 1800' L Mullock Pass chute. December 1965.
	2/9/7/2/25	Measuring Flask in 1800' L Loading Pocket. December 1965.
	2/9/7/2/26	Loading Station Conveyor Belt Installed, prior to commissioning. December 1965.
	2/9/7/2/27	1800' Level Plat Moving Platform Installation. December 1965.
	2/9/7/2/28	Solo Skip Approaching 1800' Level Loading Pocket. December 1965.
19	2/9/7/2/29	Installation of Overhead Crane in 1800' Level Crusher Station. December 1965
12	<u>2/10</u>	<u>EUROPEAN MINING OPERATIONS.</u> Groups of 35mm trans with annotations and 30x120mm approx C prints of same. Envelopes all marked South Mine 24/9/69.
12	<u>2/10/1</u>	<b>Cornwall Mines.</b>
12	2/10/1/1	Cornwall - Old Engine House.
12	2/10/1/2	Silvermines (Mogul) - general shot.
12	2/10/1/3	Cornwall - New Mine Project - shaft sinking.
12	<u>2/10/2</u>	<b>Grangesberg.</b>
12	2/10/2/1-2	Grangesberg - Headframe.
12	2/10/2/3	Salzdetfurth (?).
12	<u>2/10/3</u>	<b>Los Malines.</b>

Box No	Archival Number	Description
12	2/10/3/1	Los Malines - Mine Manager's House (Chateau).
12	2/10/3/2	Los Malines - Tailings Dam, etc.
12	2/10/3/3	Los Malines area - Old mill ruins.
12	<b>2/10/4</b>	<b>Malmberget - Rammelsberg.</b>
12	2/10/4/1	Malmberget - town (Aitik in distance).
12	2/10/4/2	Rammelsberg (1000 yr).
12	2/10/4/3	Malmberget - cars (?) & Headframe.
12	<b>2/10/5</b>	<b>Meggen Mine - Hattorf.</b>
12	2/10/5/1	Near Meggen Mine - country.
12	2/10/5/2	Hattorf.
12	2/10/5/3	Hattorf.
12	<b>2/10/6</b>	<b>Salzdetfurth.</b>
12	2/10/6/1	Rammelsberg.
12	2/10/6/2	Bad Salzdetfurth.
12	2/10/6/3	Salzdetfurth - Treatment Plant.
12	<b>2/10/7</b>	<b>Sardonia and Montepori.</b>
12	2/10/7/1	Sardonia - scene 1.
12	2/10/7/2	Montepori - Concentrator.
	<u>2/11</u>	<u>FORESTRY AND TIMBER OPERATIONS - Tropical Forestry Project and WA Chip and Pulp Project.</u> Groups of 123x88mm C prints and, where marked, 35mm slides.
12	<b>2/11/1</b>	<b>Irian Jaya. Mamberamo River etc. (35mm C slides), December 1973.</b>
12	2/11/1/1-13	Aerial views of Mamberamo River and surrounds.
12	<b>2/11/2</b>	<b>Irian Jaya - North Coast (High) Sentani - Maffin - Lake Bolberai - Biak Forestry. November - December 1973 (35mm colour slides).</b>
12	2/11/2/1-22	High aerials of the North Coast of Irian Jaya on flight from Sentani to Biak Forestry (?).
12	2/11/2/23	Forest at Biak.
12	<b>2/11/3</b>	<b>Biak etc. (35mm colour slides) December 1983.</b>
12	2/11/3/1	Biak, aerial.

Box No	Archival Number	Description
12	2/11/3/2	Biak, <u>Agathis</u> nursery.
12	2/11/3/3	Biak, <u>Agathis</u> .
12	2/11/3/4	Biak, <u>Agathis</u> .
12	2/11/3/5	<u>Agathis</u> , w. copal, Biak.
12	2/11/3/6	Biak, teak plantation.
12	2/11/3/7	Biak, teak and MGB.
12	2/11/3/8	Biak, port area.
12	2/11/3/9	Biak, general including port.
12	2/11/3/10	Biak, Forestry Office (with <u>Araucaria</u> and <u>Agathis</u> in background).
12	2/11/3/11	Biak, <u>Agathis</u> .
12	2/11/3/12	Biak, <u>Araucaria</u> .
12	2/11/3/13	Rocky ridge at Maffin Bay.
12	2/11/3/14	Rock near Maffin Bay (?).
12	2/11/3/15	Maffin Bay, panorama I.
12	2/11/3/16	Maffin, panorama 4.
12	2/11/3/17	Maffin, panorama 5.
12	2/11/3/18	Maffin, panorama 6.
12	2/11/3/19	Forest of south Sentani.
12	2/11/3/20	North Coast from 20,000 ft.
12	2/11/3/21	River mouth west of Wakdi Island.
12	2/11/3/22	Sarmi, 'strip.
12	2/11/3/23	Sarmi area.
12	2/11/3/24	Sarmi looking east.
12	2/11/3/25	Tarfia port site.
12	2/11/4	<b>Irian Jaya. 35mm C slides, December 1973</b> (Continuation of last box.)
12	2/11/4/1	Maffin, panorama 3.
12	2/11/4/2	Forest at Maffin.
12	2/11/4/3	Tarfia port site.

Box No	Archival Number	Description
12	2/11/4/4	Sarmi, 'strip.
12	2/11/4/5	Wakdi Island from coast.
12	2/11/4/6	Tarfia port site.
12	2/11/4/7	Sarmi, town and port.
12	2/11/4/8	Maffin Bay.
12	2/11/4/9	Sarmi, port.
12	2/11/4/10	Tarfia port site.
12	2/11/4/11	Tarfia port site.
12	2/11/4/12	View north to left, from hills east of Mamberamo River.
	<b>2/11/5</b>	<b>Sentani, Tarfia, Mamberamo, Nabire, Nth. Bomberai. 35m C slides, December 1973. Irian Jaya: Sentani, South then N.W. to Tarfia then S.W., then W. to Mamberamo, then N.W. and W. to Nabire - Nth. Bomberai).</b>
12	2/11/5/1	Forest south of Sentani.
12	2/11/5/2	Forest south of Sentani.
12	2/11/5/3-18	Aerial views from flight path outlined above.
12	2/11/5/19	Nabire, port.
12	2/11/5/20	Nabire, resettlement.
12	2/11/5/21	View of light aeroplane.
12	2/11/5/22-26	Aerial views from flight path outlined above.
13	<b>2/11/6</b>	<b>Indonesia: Biak to Demta (Dempta ???? and below). 35mm C slides, December 1973.</b>
13	2/11/6/1	North coast and forest.
13	2/11/6/2	Aerial of north coast.
13	2/11/6/3	Rear of Rocky Ridge at Maffin Bay.
13	2/11/6/4	Biak, <u>Agathis</u> nursery.
13	2/11/6/5	Biak, town.
13	2/11/6/6	Biak, port area.
13	2/11/6/7	North coast.
13	2/11/6/8	Irian Jaya, looking south over Bomberai.



Box No	Archival Number	Description
13	2/11/6/9	Irian Jaya, near Steekool.
	2/11/7	Bomberai - Babi to port area. Port area to Kaimana. 35mm C slides, December 1973.
13	2/11/7/1	Bomberai north, mangroves.
13	2/11/7/2	As above, different view.
13	2/11/7/3	As above, different view.
13	2/11/7/4	Babi, bombed Japanese strip and abandoned 'planes.
13	2/11/7/5	Babi, end of 'strip.
13	2/11/7/6	Babi.
13	2/11/7/7-11	Bomberai, various aerials.
13	2/11/7/12	Bomberai, rough terrain.
13	2/11/7/13	Bomberai, view of south west to gulf.
13	2/11/7/14	Bomberai, uneven trees.
13	2/11/7/15	Bomberai, proposed port area.
13	2/11/7/16	Bomberai, proposed port area, same peninsula as 15 above.
13	2/11/7/17	Bomberai, port area, shallow water.
13	2/11/7/18	Bomberai, port area, shallow water.
13	2/11/7/19	As above, different view.
13	2/11/7/20	Bomberai, trees near port area.
13	2/11/7/21-22	Bomberai, trees south-east of port area.
13	2/11/7/23	Bomberai, looking back towards port area.
13	2/11/7/24	Bomberai, irregular trees south-east of port.
13	2/11/7/25	Bomberai, trees south-east of port.
13	2/11/7/26	Bomberai, trees south-east of port.
13	2/11/7/27-32	Bomberai, trees south-east of port.
13	2/11/7/33	Bomberai, looking north-west from south-east corner.
13	2/11/7/34	Near Kaimana.
13	2/11/7/35	Limestone country, near Kaimana.
13	2/11/7/36-37	Unidentified and unmounted 35mm colour transparencies of forest.

Box No	Archival Number	Description
13	2/11/8	Sentani - Mamberamo and return. 35mm C slides, December 1973.
13	2/11/8/1-22	Aerials from the above flight path.
13	2/11/9	Teluk Berau - Biak - North Coast. 35mm col. slides, November 1973.
13	2/11/9/1-15	Aerials from above flight path.
13	2/11/9/16-19	Unmounted 35mm colour transparencies of coastline.
	2/11/10	Jakarta, Biak, Mamberamo River, Rombebai Sea, December 1974.
13	2/11/10/1-3	Local and CRA personnel (in Jakarta?).
13	2/11/10/4	Light aircraft in which travel was undertaken.
13	2/11/10/5-6	Aerials of Biak township. (Sue check with slides earlier).
13	2/11/10/7-21	Aerials of flight over Mamberamo River and Rombebai Sea (?).
13	2/11/10/22	As above, five strips 35mm colour negs.
13	2/11/10/23	Duplicate 35mm colour negs. of 1-3 above.
13	2/11/11	Jakarta: Indokaya Building; Pasar Ikan. May 1974.
13	2/11/11/1	View of building through park.
13	2/11/11/2-3	View of buildings beside canal.
13	2/11/11/4	View of tower under construction.
13	2/11/11/5	View of debris in canal or stream.
13	2/11/11/6-7	View of sailing boats at wharf near storage area for sawn timber.
13	2/11/11/8	View of sailing boats at wharf.
13	2/11/11/9	Longer view of wharf and small boats.
13	2/11/11/10	Unloading timber from sailing/cargo boats.
13	2/11/11/11	Loading or unloading cargo.
13	2/11/11/12	Unloading timber from sailing cargo boats.
13	2/11/11/13	Unloading or loading unidentified cargo.
13	2/11/11/14	Loading cargo in baskets.
13	2/11/11/15	Unloading timber from cargo boats.

Box No	Archival Number	Description
13	2/11/11/16	View of cargo boat.
13	2/11/11/17	Six strips of 16mm colour negs. of photographs above.
	<b>2/11/12</b>	<b>Depapre: Dempta. December 1974 (cf 2/11/6 above).</b>
13	2/11/12/1	Aerial of headland.
13	2/11/12/2	Aerial of bay.
13	2/11/12/3-5	Aerials of two small bays, one with jetty (?) and one with village of Depapre.
13	2/11/12/6	Aerial of coastline and inland lakes (?).
13	2/11/12/7-9	Aerials of bay, Dempta village and jetty.
13	2/11/12/10	Aerial of Dempta Bay and small islands.
13	2/11/12/11	Aerial of Dempta Bay showing village.
13	2/11/12/12	Aerial of river in forest (Mamberamo River(?)).
13	2/11/12/13-14	Aerials of forest.
13	2/11/12/15	As above, seven 35mm colour strips of negs.
	<b>2/11/13</b>	<b>Depapre (1)(?): Demta, Berapi, Mamberamo River. December 1974.</b>
13	2/11/13/1	Aerial of hills and forest to horizon.
13	2/11/13/2-3	Aerials of Depapre and bay with 'L' shaped jetty (?), as in 3-4 above.
13	2/11/13/4	Aerial of Dempta Bay and small islands, as in 10-11.
13	2/11/13/5	Aerial of Dempta Bay with narrow entrance.
13	2/11/13/6	Aerial of Dempta village and jetty.
13	2/11/13/7	Berap.
13	2/11/13/8	Aerial view looking north from Berap to Demta.
13	2/11/13/9	Mamberamo River mouth and straight section.
13	2/11/13/10	Mamberamo, meanders east of Rombebai Sea.
13	2/11/13/11	Aerial view from Berap looking north towards Demta.
13	2/11/13/12	Berap.
13	2/11/13/13	Ambon. Major town and port.
13	2/11/13/14	As above, different view.

Box No	Archival Number	Description
13	2/11/13/15	As above, closer view.
13	2/11/13/16	As above, seven strips 35mm colour negs.
	<b>2/11/14</b>	<b>Jayapura, Depapre etc. December 1974.</b>
13	2/11/14/1	View of replanted (?) forest.
13	2/11/14/2	Conveyors and stock piles of crushed rock.
13	2/11/14/3	Rock crusher.
13	2/11/14/4	Building (dam?) across creek.
13	2/11/14/5	Building (dam?) across creek, viewed from above.
13	2/11/14/6-9	Depapre, aerial views of.
13	2/11/14/10-11	Aerials of hills and forest.
13	2/11/14/12	View from hills towards bay, mill (?) in middle distance.
13	2/11/14/13	View from hills towards bay and township.
13	2/11/14/14	View from hills overlooking mill (?).
13	2/11/14/15-16	Visiting personnel and stacked timber at mill.
13	2/11/14/17	Visitors at mill (?) site.
13	2/11/14/18-19	Remains on beach of rusted World War Two tanks.
13	2/11/14/20	Local children on beach.
13	2/11/14/21	View of hills.
13	2/11/14/22	As above, seven strips of 35mm colour negs.
	<b>2/11/15</b>	<b>Indonesia: Sentani (?), Sekoli, Jayapura. December 1974.</b>
13	2/11/15/1-7	Local produce market.
13	2/11/15/8	CRA personnel and bus at Jayapura.
13	2/11/15/9	CRA personnel and bus visiting unidentified buildings.
13	2/11/15/10	Local housing.
13	2/11/15/11	Beach.
13	2/11/15/12-14	View across bay to township and plant.
13	2/11/15/15	Sporting stadium.
13	2/11/15/16	Aerial view of Lake Sentani (?).

Box No	Archival Number	Description
13	2/11/15/17-24	Aerial views of forest to horizon.
13	2/11/15/25-32	Close views of forest below 'plane.
13	2/11/15/33	Aerial view of village.
13	2/11/15/34-36	Aerial views of cleared/logged(?) areas near bay.
13	2/11/15/37	Building dam over creek (as in 2/11/14/4-5 above).
13	2/11/15/38	As above, eleven strips 35mm colour negs.
	<b>2/11/16</b>	<b>Indonesia, Jayapura, December 1973.</b>
13	2/11/16/1	Unidentified European family.
13	2/11/16/2	Hotel ? , Jayapura.
13	2/11/16/3	Aerial of wooded hillside.
13	2/11/16/4	Five strips 16mm colour negs. of photographs above plus others undeveloped or blurred.
13	2/11/16/5	Five strips 16mm C negs mostly smudged or under-exposed.
13	<b>2/11/17</b>	<b>Indonesia, Jakarta, November 1973.</b>
13	2/11/17/1	One strip 16mm colour negs. of CRA and other personnel shaking hands and in group.
13	<b>2/11/18</b>	<b>Philippines: Mindanao, aerial, to Mati. October 1974.</b>
13	2/11/18/1-9	Aerials of terrain from Mindanao to Mati.
13	2/11/18/10	As above, six strips 35mm C negs.
13	<b>2/11/19</b>	<b>Philippines: Bislig; air, ground, start of forest. October 1974.</b>
13	2/11/19/1-9	Aerials of timber mill.
13	2/11/19/10-16	Airport, township and surrounds at Bislig.
13	2/11/19/17-18	Start of forest.
13	2/11/19/19	As above, six strips 35mm colour negs.
	<b>2/11/20</b>	<b>Philippines: Bislig forest. October 1974.</b>
13	2/11/20/1-4	Forest.
13	2/11/20/5-6	Housing.
13	2/11/20/7-20	Forestry/logging operations.

Box No	Archival Number	Description
13	2/11/20/21-22	Other operations, quarrying (?), pipe laying (?).
13	2/11/20/23	As above, six strips of 35mm colour negs.
	2/11/21	<b>Philippines: Bislig, forest. October 1974.</b>
13	2/11/21/1-21	Views of forest, operations, road building, re-growth, logging.
13	2/11/21/22	As above, six strips of 35mm colour negs.
	2/11/22	<b>Bislig: nursery etc. October 1974.</b>
13	2/11/22/1	Seeds germinating in seed trays.
13	2/11/22/2	Empty seed trays in glasshouse.
13	2/11/22/3	Open sheds for sheltering growing plants.
13	2/11/22/4	Various growing areas.
13	2/11/22/5	As above, different view.
13	2/11/22/6	Potting seedlings up from seed trays to individual tubes.
13	2/11/22/7	As above, different view.
13	2/11/22/8	Making individual tubes from plywood.
13	2/11/22/9	As above, different view.
13	2/11/22/10	<u>G. melina</u> , potted 24 October 1974, in rows in shade house.
13	2/11/22/11	C pine, potted 14 October 1974, in rows in shade house.
13	2/11/22/12	Worker showing advanced growth of plant in tube.
13	2/11/22/13	Worker indicating root development of plant in tube.
13	2/11/22/14	Worker showing growth of pine (?) in tube.
13	2/11/22/15	Entrance sign to Central Forest Nursery, Bislig.
13	2/11/22/16	Worker indicating growth of <u>G melina arborea</u> planted July 1967.
13	2/11/22/17	Forest beside road to (?) Bislig.
13	2/11/22/18	As above, different view.
13	2/11/22/19	House building or office at nursery.
13	2/11/22/20	Logging operations.
13	2/11/22/21-22	Personnel at nursery, including CRA visitor.

Box No	Archival Number	Description
13	2/11/22/23	As above, six strips of 35mm colour negs.
	<b>2/11/23</b>	<b>Approach and Bislig Bay (from air). October 1974.</b>
13	2/11/23/1-6	Aerials of roads through forest (into area of logging operation?).
13	2/11/23/7	Aerial approaching township and bay from inland.
13	2/11/23/8-11	Aerials of bay, township, wood mill and port facilities.
13	2/11/23/12	As above, seven strips of 35mm colour negs.
13	<b>2/11/24</b>	<b>Bislig Bay: ground. Also Gerry Aranez (?) and wife. October 1974.</b>
13	2/11/24/1	Gerry Aranez and wife.
13	2/11/24/2-3	Inspecting John Deere L5-21 bulldozer.
13	2/11/24/4-5	Removing bark from logs by hand (?).
13	2/11/24/6	View of wood mill plant buildings from ground level.
13	2/11/24/7	View of mill and bay from hillside.
13	2/11/24/8	View of plant, wood storage area and shipping area.
13	2/11/24/9	View of plant from hillside looking towards township.
13	2/11/24/10-11	Views of conveyors to plant.
13	2/11/24/12-18	Views of different aspects of plant.
13	2/11/24/19	Wood stacks/piles.
13	2/11/24/20	Looking towards logs in bay.
13	2/11/24/21-22	Aspects of plant under construction.
13	2/11/24/23	As above, six strips plus one single 35mm colour neg.
	<b>2/11/25</b>	<b>Samar aerials [some blurred], October 1974. Pkt.1.</b>
13	2/11/25/1	Aerial view of coastline.
13	2/11/25/2-14	Aerial views of hills and forests.
13	2/11/25/15	Aerial view of river through forest.
13	2/11/25/16-23	Blurred aerial views of forests.
13	2/11/25/24	As above, five strips of 35mm colour negs.

Box No	Archival Number	Description
	2/11/26	Samar, aerials including plant site. October 1974. (Pkt. 2).
13	2/11/26/1	Aerial of coastline.
13	2/11/26/2-4	Aerials of forest with logging in progress.
13	2/11/26/5-13	Aerials of roads through forests.
13	2/11/26/14-18	Views of forest from 'plane.
13	2/11/26/19	View of coastline and bay.
13	2/11/26/20	Aerial view of hills and forest to horizon (smudged).
13	2/11/26/21	As above, six strips of 35mm colour negs.
	2/11/27	Samar, 1974.
13	2/11/27/1	Truck and equipment for hauling cut logs from forest.
13	2/11/27/2-5	Areas from which trees have been felled.
13	2/11/27/6	Truck loaded with logs.
13	2/11/27/7	Lifting logs via pulleys.
13	2/11/27/8	Lifting logs with tractor.
13	2/11/27/9	Equipment at logging site.
13	2/11/27/10	Logging equipment stored near office site.
13	2/11/27/11	Office looking towards stored equipment.
13	2/11/27/12	Field office and personnel
13	2/11/27/13	Truck carrying load of logs.
13	2/11/27/14-15	Log storage on edge of bay.
13	2/11/27/16	Truck in log storage area.
13	2/11/27/17	Local people with boats on bay.
13	2/11/27/18-25	Views of forest.
13	2/11/27/26-28	Gerry Aranez (?) at site.
13	2/11/27/29	Personnel at site including Gerry Aranez (?) and CRA visitor.
13	2/11/27/30	Local personnel at site.
13	2/11/27/31	As above, seven strips of 35mm colour negs.



Box No	Archival Number	Description
13	2/11/28	<b>Philippines - Personnel. (Gerry Aranez etc). 1974.</b>
13	2/11/28/1-2	Three strips of 35mm colour negs of personnel (duplicates of selection of negs immediately above).
13	2/11/29	<b>Samar, Aranez, airport; Tadoban, Boat across. 35mm slides, October 1974.</b>
13	2/11/29/1	Aerial of coastline.
13	2/11/29/2	Aerial of port.
13	2/11/29/3	Aerial of port from inland.
13	2/11/29/4	As above, different view.
13	2/11/29/5	Aerial of township and coastline.
13	2/11/29/6	As above, different view.
13	2/11/29/7	Aerial of township from sea.
13	2/11/29/8	Aerial of bay and island.
13	2/11/29/9	Aerial of bay.
13	2/11/29/10	As above, different view.
13	2/11/29/11	Low aerial of bay and township.
13	2/11/29/12	Personnel at quay.
13	2/11/29/13	Passenger boat at quay.
13	2/11/29/14	Township across bay and passenger boat.
13	2/11/29/15	Looking inland from quay.
13	2/11/29/16	Local people in covered boats.
13	2/11/29/17	Local people (at market on quay?).
13	2/11/29/18	Local people on covered boat (crossing bay?).
13	2/11/29/19	Plant and docking facilities from boat crossing bay.
13	2/11/29/20	CRA personnel on boat crossing bay.
13	2/11/29/21	As above, different view.
13	2/11/29/22	Coming in to land at timber mill from boat on bay.
14	2/11/30	<b>Davao (aerial). (on flight to Mindanao): 1. Landing, airport view ? of gulf. 2. Light aircraft flight, beginning, across gulf. October 1974.</b>
14	2/11/30/1	Davao Airport, Philippine Airlines area.

Box No	Archival Number	Description
14	2/11/30/2	Davao Airport on arrival.
14	2/11/30/3	Township and gulf.
14	2/11/30/4	Aerial of coastline and township.
14	2/11/30/5-13	Aerials of coastline and land around gulf.
14	2/11/30/14-17	Aerials of gulf.
14	2/11/30/18	Aerial of township with docking facilities.
14	2/11/30/19	Aerial of timber mill (?).
14	2/11/30/20	As above, six strips of 35mm colour negs.
	<b>2/11/31</b>	<b>Mindanao, visit to sawmill. (North Carmines) October 1974.</b>
14	2/11/31/1	Local and visiting CRA personnel at landing strip.
14	2/11/31/2-88	Aerials of sawmill from various angles.
14	2/11/31/9-10	Aerials of bay.
14	2/11/31/11-14	Views of North Carmines Lumber Co. Inc. equipment, logs and personnel.
14	2/11/31/15	As above, seven strips of 35mm colour negs.
	<b>2/11/32</b>	<b>Mindanao, visit to sawmill (North Carmines), October 1974.</b>
14	2/11/32/1-2	Aerials of sawmill, bay and surrounding hills.
14	2/11/32/3-4	Aerials of township and river.
14	2/11/32/5	Aerial of township and bay.
14	2/11/32/6	Logs at edge of bay.
14	2/11/32/7	Logs in bay.
14	2/11/32/8	Sawn and unsawn logs in millyard and shed.
14	2/11/32/9	As above, different view.
14	2/11/32/10	Band mill.
14	2/11/32/11	Sawn and unsawn logs in mill yard.
14	2/11/32/12	Plant inside mill.
14	2/11/32/13-16	Views of logs in bay.
14	2/11/32/17	Sawn timber planks.
14	2/11/32/18	Sawn timber and building.

Box No	Archival Number	Description
14	2/11/32/19	Local people in canoe.
14	2/11/32/20	Township.
14	2/11/32/21	Local and visiting CRA personnel (?).
14	2/11/32/22	As above, six 35mm colour strip negs.
	<b>2/11/33</b>	<b>Davao, Mindanao, before sawmill visit. October 1974. Light aircraft No. 2 (?).</b>
14	2/11/33/1-9	Aerials of hills and forest on flight path above.
14	2/11/33/10	View of coastline from inland.
14	2/11/33/11	Aerial view of sawmill.
14	2/11/33/12	As above, six 35mm colour strip negs.
	<b>2/11/34</b>	<b>Philippines Personnel (North Carmines).</b>
14	2/11/34/1	One strip 35mm colour negs. of logs in bay; personnel at North Carmines Lumber Co. Inc. (?).
14	<b>2/11/35</b>	<b>Singapore, 1974. (D.F.Fairweather.)</b>
14	2/11/35/1	Singapore, Mandarin Hotel.
14	2/11/35/2	Singapore, boats on river.
14	2/11/35/3	Singapore, port area.
14	2/11/35/4	Singapore, barge load of logs from Kalimantan.
14	2/11/35/5	Singapore, log handling.
14	2/11/35/6	Singapore, logs from Kalimantan.
14	2/11/35/7	Singapore, manager of sawmill, New Zealander.
14	2/11/35/8	Five strips of 16mm colour negs. of above photos.
	<b>2/11/36</b>	<b>Vancouver, June 1974. (Powell River, Nanaimo, Harmac).</b>
14	2/11/36/1	Powell River, part of log pond near sawmill; large log entry point; inclined conveyer.
14	2/11/36/2	Powell River, part of log pond (from sawmill); small log entry point (crane from water); note sunken ships - breakwater.
14	2/11/36/3	Powell River, log pond.
14	2/11/36/4	Powell River, part of lumber yard.

Box No	Archival Number	Description
14	2/11/36/5	Panorama from sawmill at Powell River plant of MacMillan Bloedel, panorama 1.
14	2/11/36/6	As above, panorama 2.
14	2/11/36/7	As above, panorama 3.
14	2/11/36/8	Aerial of Powell River plant of MacMillan Bloedel.
14	2/11/36/9	As above, different view.
14	2/11/36/10	Powell River, left to right: Chris Jorgensen, (?), Bert Warrender (?).
14	2/11/36/11	MacMillan Bloedel 'plane.
14	2/11/36/12	Powell River, timber handling, overhead crane for barge loading.
14	2/11/36/13	Powell River, log sections for show.
14	2/11/36/14	Typical log rafts, British Columbia.
14	2/11/36/15-18	Aerial views of Harmac Timber Port of MacMillan Bloedel on Vancouver Island.
14	2/11/36/19	Georgia Strait, Fraser River floodwater spreading over the salt water.
14	2/11/36/20-24	Nanaimo, a timber port on Vancouver Island across Georgia Strait from Vancouver. Series of photos 1 to 5.
14	2/11/36/25	Five strips of 16mm colour negs. of photographs above.
	<b>2/11/37</b>	<b>Vancouver Timber and Nickel Berth. June 1974.</b>
		<b><u>Vancouver Timber:</u></b>
14	2/11/37/1	Aerial of entrance to Vancouver Harbour.
14	2/11/37/2	Vancouver, city from the airport.
14	2/11/37/3	Vancouver, ships waiting outside port.
14	2/11/37/4	Vancouver, MacMillan Bloedel offices.
14	2/11/37/5	As above, different view.
14	2/11/37/6-7	Seaboard terminal, North Vancouver, panoramas 1 and 2.
14	2/11/37/8	Two ships loading timber at seaboard terminal, North Vancouver.
14	2/11/37/9	As above, different view.

Box No	Archival Number	Description
14	2/11/37/10	Third ship berthing at seaboard terminal, North Vancouver.
14	2/11/37/11	Handling gear on third ship. Seaboard terminal, North Vancouver.
14	2/11/37/1A-11A	Six strips of 16mm colour negs. of above photographs.
		<b><u>Vancouver Nickel Berth:</u></b>
14	2/11/37/12-13	Neptune Terminal, berth area, panoramas 1 and 2.
14	2/11/37/14	Neptune Terminal, North Vancouver, nickel concentrate storage area.
14	2/11/37/15	Neptune Terminal; nickel concentrate conveyor system and discharge spout over storage area.
14	2/11/37/16	Neptune Terminal, ship berth for nickel concentrates.
14	2/11/37/17	Neptune Terminal, conveyor system for nickel concentrates.
14	2/11/37/18	Neptune Terminal, nickel berth. Seaboard timber terminal at right.
14	2/11/37/19	Four strips of 16mm C negs for above photographs.
	2/11/38	<b>Vancouver area (many photographs blurred). July 1974.</b>
14	2/11/38/1	Powell River, log handling.
14	2/11/38/2-7	Aerials of Harmac Timber port, (out of focus).
14	2/11/38/8-10	Aerials of Georgia Street, (out of focus).
14	2/11/38/11-16	Aerials of Vancouver area.
	2/11/39	<b>Timber, Vancouver, November 1977.</b>
14	2/11/39/1	Unidentified personnel.
14	2/11/39/2	One strip 35mm colour neg. of above.
	2/11/40	<b>Timber, Vancouver, November 1977.</b>
14	2/11/40/1	Wharf area.
14	2/11/40/2	Ship at berth being loaded.
14	2/11/40/3	Five strips of 35mm colour negs. of above photos and others.
	2/11/41	<b>Timber, May 1974 (area unidentified(???)).</b>

Box No	Archival Number	Description
14	2/11/41/1	Aerial view of forest to horizon, (eleven copies).
14	2/11/41/2	Close aerial view of forest, (twelve copies).
14	2/11/41/3	Aerial view of river mouth, (eleven copies).
	<b>2/11/42</b>	<b>Longview Plant of Weyerhouse, Washington U.S.A. (D.F. Fairweather), June 1974.</b>
14	2/11/42/1-4	Panorama of Longview Plant on far side of Columbia River.
14	2/11/42/5-10	Panorama of log sorting and storage.
14	2/11/42/11-12	Lumber export wharf.
14	2/11/42/13	Longview, logs entering No. 1 sawmill.
14	2/11/42/14	Longview, hydraulic debarking.
14	2/11/42/15-18	Longview, panorama of section of plant.
14	2/11/42/19-20	Longview, section of plant.
14	2/11/42/21-22	Plant entrance and office.
14	2/11/42/23	Woodchips, 100-ton cars.
14	2/11/42/24	Longview, new log export wharf.
14	2/11/42/25	Six strips 16mm colour negs. of photographs above.
	<b>2/11/43</b>	<b>Crown Zollerbach, Wauna Mill. (D.F. Fairweather), June 1974.</b>
14	2/11/43/1	Ron Funk. Paper plant in background.
14	2/11/43/2	Bleaching towers.
14	2/11/43/3-6	Panorama of chip storage and plant entrance, (views 1 to 4).
14	2/11/43/7-9	Panorama of power plant; pulp storage tanks; change house; Kamyrd digester; bleaching towers; groundwood plant; chip storage (views 1 to 3).
14	2/11/43/10-11	M & D digester, Kamyrd digester, pulp storage tanks, power plant.
14	2/11/43/12-15	Panorama of Kamyrd and M & D Digesters, power plant and kiln.
14	2/11/43/16	Five strips of 16mm colour negs. of above photos.
	<b>2/11/44</b>	<b>W.A. Chip and Pulp. Port site, Bunbury. Multiple copies of C prints and as 35mm slides. May 1975.</b>
14	2/11/44/1	Diagram of port installation.

Box No	Archival Number	Description
14	2/11/44/2	Artist's impression of chip mill.
14	2/11/44/3-4	W.A. Chip and Pulp, Bunbury port site, wharf.
14	2/11/44/5	W.A. Chip and Pulp, Bunbury port site, looking across wharf to dredge(?).
14	2/11/44/6	W.A. Chip and Pulp, Bunbury port site, wharf construction.
14	2/11/44/7-14	W.A. Chip and Pulp, Bunbury port site, wharf construction.
14	2/11/44/15	W.A. Chip and Pulp, Bunbury port site, unidentified personnel (2/11/46/8 below for print).
14	2/11/44/16	W.A. Chip and Pulp, Bunbury port site, underground construction.
14	2/11/44/17	W.A. Chip and Pulp, Bunbury port site, section of large metal tunnel/pipeline. Plant in background (?).
14	2/11/44/18-19	W.A. Chip and Pulp, Bunbury port site, construction on beach at port site.
	2/11/45	W.A. Chip & Pulp. Near Manjimup - Diamond Chip Mill. Various sizes 123x88mm and others. (D.F. Fairweather), 1 May 1975.
14	2/11/45/1	W.A. Chip and Pulp, diagram of port installation. 35mm colour slide.
14	2/11/45/2	Artist's impression of W.A. Chip and Pulp chip mill. 35mm colour slide.
14	2/11/45/3	New Bridge over river.
14	2/11/45/4	Diamond chipping plant under construction, 1 May 1975, panorama 1.
14	2/11/45/5	As above, panorama 2, (two copies).
14	2/11/45/6	As above, panorama 3.
14	2/11/45/7	As above, panorama 4.
14	2/11/45/8	As above, panorama 5.
14	2/11/45/9	New road under construction to diamond chip mill. Quartzite base. Karri forest.
14	2/11/45/10	New Dam wall and power main to pump station (diamond chip mill).
14	2/11/45/11	New dam. Primary settling pond in distance. (Diamond chip mill).

Box No	Archival Number	Description
14	2/11/45/12	New road to diamond chip mill and Karri forest.
14	2/11/45/13	New bridge over river.
14	2/11/45/14	As above, seven strips of 35mm colour negs.
	<b>2/11/46</b>	<b>W.A. Chip &amp; Pulp Co. Pty. Ltd. Bunbury. Multiple copies of C prints and as 35mm slides. May 1975.</b>
14	2/11/46/1	W.A. Chip & Pulp Co. Pty. Ltd., diamond chip mill notice.
14	2/11/46/2	W.A. C. & P. Rail bins and stacker under construction.
14	2/11/46/3	W.A. C. & P. Screening plant under construction.
14	2/11/46/4	W.A. C. & P. panorama from stacker.
14	2/11/46/5	Panorama 2, from stacker, of screening plant.
14	2/11/46/6	Panorama 3, of buildings at site.
14	2/11/46/7	W.A. C. & P. rail siding under construction.
14	2/11/46/8	W.A. C. & P. unidentified personnel (as in 2/11/44/15 above).
	<b><u>2/12</u></b>	<b><u>NICKEL INVESTIGATIONS AND OPERATIONS.</u> See also 2/11/37.</b>
14	<b>2/12/1</b>	<b>Freeport. Pilot Plant. Belle Chasse, Louisiana (SP?). 80x80mm C prints. July 1971.</b>
14	2/12/1/2-4	Interior of plant.
14	2/12/1/5-12	Views of exterior of plant.
14	2/12/1/13	Unidentified man outside offices.
14	2/12/1/14-16	Scientific or technical (?) personnel outside plant.
14	2/12/1/17	Tailings dam (?).
14	2/12/1/18	Close view of ore-bearing earth (?).
14	2/12/1/19-22	Storage area for earth and drums.
14	2/12/1/23-24	Close view of equipment in plant.
14	2/12/1/25	Waste water disposal (?).
14	2/12/1/26	Five strips 35mm colour negs. of above photographs.
	<b>2/12/2</b>	<b>Hanna Nickel, Riddle, Oregon. 80x80mm C prints. July 1971.</b>
14	2/12/2/1	Roads, conveyors and workshop (?).



Box No	Archival Number	Description
14	2/12/2/2	Embankment to be mined.
14	2/12/2/3	Bulldozer loading truck.
14	2/12/2/4	Mined material in small rail truck.
14	2/12/2/5	View down mountain, along rail for conveying ore to plant in valley.
14	2/12/2/6	View of plant from high piece of equipment (crusher?).
14	2/12/2/7	View of hills and damaged trees from operation.
14	2/12/2/8	Pit face.
14	2/12/2/9	Bulldozer mining in pit.
14	2/12/2/10	View across conveyor system at mining operation on mountain top, into valley beyond.
14	2/12/2/11-12	Views of pit and roads.
14	2/12/2/13	Unidentified personnel on high road overlooking damaged trees and valley.
14	2/12/2/14	View of conveyor system on plant on mountain.
14	2/12/2/15	Ore moving through part of plant (crusher?).
14	2/12/2/16	View of plant and surrounding mountain ranges from tower with conveyors.
14	2/12/2/17	Five strips of 35mm colour negs of above photographs.
	<b>2/12/3</b>	<b>Hanna Nickel at Riddle, Oregon. 80x80mm colour prints. July 1971.</b>
14	2/12/3/1-2	Ore-bearing rock.
14	2/12/3/3	Pit.
14	2/12/3/4	Riddle railway station.
14	2/12/3/5	Road to mine (?).
14	2/12/3/6	View of mine on mountaintop from valley.
14	2/12/3/7	View of pit.
14	2/12/3/8	View of road at mine site.
14	2/12/3/9	View of roads (and pit?) at mine site.
14	2/12/3/10-11	Views of pit and valley beyond.
14	2/12/3/12	View of plant from above.

Box No	Archival Number	Description
14	2/12/3/13	View of mine in distance (and plant emitting gasses in middle range?).
14	2/12/3/14	View of plant on mountaintop near mine.
14	2/12/3/15-16	Views of plant in valley.
14	2/12/3/17	View of plant in valley 'shrouded in steam', stockpiles, tailings dam.
14	2/12/3/18-20	Views of plant in valley showing stockpiles, tailings dams, conveyors.
14	2/12/3/21	Four strips of 35mm colour negs. of above photos.
	<b>2/12/4</b>	<b>WMC, Kwinana W.A. 35mm C slides. D. Fairweather, October/November 1972.</b>
14	2/12/4/1	WMC, Kwinana looking SE.
14	2/12/4/2	WMC, Kwinana looking E, panorama 3.
14	2/12/4/3	WMC, Kwinana looking E, panorama 2.
14	2/12/4/4	WMC, Kwinana looking E, panorama 1.
14	2/12/4/5	Natural gas.
14	2/12/4/6	Kwinana looking west, panorama 1.
14	2/12/4/7	Kwinana office looking west panorama 2.
14	2/12/4/8	Kwinana $(\text{NH}_4)_2\text{SO}_4$ plant.
14	2/12/4/9	Kwinana looking NW, panorama 1.
14	2/12/4/10	Kwinana load out for $(\text{NH}_4)_2\text{SO}_4$ , not used.
14	2/12/4/11	Kwinana entrance.
14	2/12/4/12	Kwinana looking NW, panorama 2.
14	2/12/4/13	Kwinana bulk wharf and foreshore, panorama 2.
14	2/12/4/14	Kwinana bulk wharf and foreshore, panorama 1.
14	2/12/4/15	WMC Kwinana.
14	2/12/4/16	Kwinana, NR. WMC.
	<b>2/12/5</b>	<b>WMC - Kwinana. QIT, Quebec. (?)</b>
14	2/12/5/1	Nineteen unidentified 54x80mm colour prints of QIT (?).
14	2/12/5/2	Sorel, TCL, October 1972. 35mm colour slide.

Box No	Archival Number	Description
14	2/12/5/3	Sorel, Atlas Steel (from TCL), October 1972. 35mm colour slide.
14	2/12/5/4	Sorel, QIT, October 1972. 35mm colour slide.
	<b>2/12/6</b>	<b>Norseman, 1-2 April 1974.</b>
14	2/12/6/1	Norseman Township. One 89x123mm colour print.
14	2/12/6/2	Five strips of 16mm colour negs. of plant and township.
	<b>2/12/7</b>	<b>Redross Nickel and Esperance.</b>
14	2/12/7/1	Five strips 16mm colour negs. of plant at Esperance. (Redross?) March 1975.
14	2/12/7/2	Four strips 16mm colour negs. of aspects of Redross, December 1974.
14	2/12/7/3	Stockpile area. Redross, December 1974.
14	2/12/7/4	General view in West Kalgoorlie railyard.
	<b>2/12/8</b>	<b>Redross, 1 October 1974.</b>
14	2/12/8/1	Redross mine site.
14	2/12/8/2	Eugene Brown, Dick Willey, Frank Hamilton, Bob Sloan.
14	2/12/8/3	Road from sand pit.
14	2/12/8/4	Sand pit.
14	2/12/8/5	New sand pit and road.
14	2/12/8/6	Sand pit.
14	2/12/8/7-10	Aerials of area.
14	2/12/8/11	Ray Williams (Minenco) and J.S. Davidson.
14	2/12/8/12	Set of 16mm colour negs. of photographs above.
	<b>2/12/9</b>	<b>Redross, April 1975.</b>
14	2/12/9/1-2	Winder house or generator (?).
14	2/12/9/3	Miner at rockface.
14	2/12/9/4-6	Views of tailings dam (?).
14	2/12/9/7	Three sets of 16mm colour negs.
	<b>2/12/10</b>	<b>Redross, JBD site visit (J S Davidson?). 7 February 1974.</b>

Box No	Archival Number	Description
14	2/12/10/1	Loading ore at Redross.
14	2/12/10/2	Section of Anaconda offices at Norseman (Avis vehicle in foreground).
14	2/12/10/3	Redross headframe.
14	2/12/10/4	Murray Campbell (accountant, AAI, Sydney) at Redross Mine site.
14	2/12/10/5	Redross/Norseman bus; cost approx. \$35,000.
14	2/12/10/6	Two strips of 16mm colour negs. of prints above.
	<b>2/12/11</b>	<b>Redross Nickel, c.1976.</b>
14	2/12/11/1-2	Senior company personnel at Redross.
14	2/12/11/3	Personnel dressed to go underground.
15	<b>2/12/12</b>	<b>Redross Nickel Mine W.A. December 1970. (35mm colour slides).</b>
15	2/12/12/1	Sinking winder parts at Redross Camp.
15	2/12/12/2	Redross Mine.
15	2/12/12/3	Redross: inspection of shaft brace.
15	2/12/12/4	Redross.
15	2/12/12/5	Personnel at Redross.
15	2/12/12/6	Personnel under headframe.
15	2/12/12/7	Redross Headframe coustin (SP?).
15	2/12/12/8	Redross, personnel.
15	2/12/12/9	Headframe from distance.
15	2/12/12/10	Headframe from distance (different view).
15	2/12/12/11	Construction of headframe.
15	2/12/12/12	Redross headframe nearly complete.
15	2/12/12/13	Redross headframe and building.
15	2/12/12/14	As above (different view).
15	2/12/12/15	As above (different view).
15	2/12/12/16	As above (different view).
15	2/12/12/17	As above.

Box No	Archival Number	Description
15	2/12/12/18	Railway line.
15	2/12/12/19	Railway line.
15	2/12/12/20	Norseman GMK (?).
15	2/12/12/21	Norseman.
15	2/12/12/22	Looking north from Redross Hill.
15	2/12/12/23	Bush at Redross Camp.
15	2/12/12/24	As above.
15	2/12/12/25	Redross Camp.
15	2/12/12/26	Redross Camp, temporary house.
15	2/12/12/27	Redross Camp.
15	2/12/12/28	Redross water tank and headframe.
15	2/12/12/29-34	Various views of Redross Camp.
	<b>2/12/13</b>	<b>Wannaway Nickel Mine W.A. 35mm C slides., December 1970. N.B.: Wannaway did not produce.</b>
15	2/12/13/1	Wannaway (looking up through headframe).
15	2/12/13/2-6	Wannaway headframe construction.
15	2/12/13/7	Wannaway (?). Headframe and other plant from distance.
15	2/12/13/8	As above.
15	2/12/13/9	Wannaway generator set.
15	2/12/13/10	Wannaway, installing motor-generator set.
15	2/12/13/11	Wannaway, installation of temporary winder.
15	2/12/13/12	Wannaway (?).
15	2/12/13/13	Wannaway, winder house under construction.
15	2/12/13/14	Wannaway, construction of headframe and winder house.
15	2/12/13/15	Wannaway, looking NE. J. Wilson, geologist, Anaconda.
15	2/12/13/16	Wannaway, headframe and winder house under construction.
15	2/12/13/17	As above, different view.
15	2/12/13/18	As above, different view.

Box No	Archival Number	Description
	2/12/14	Redross and Wannaway Nickel. 35mm C slides, September 1971. (It is hard to tell Redross from Wannaway.)
15	2/12/14/1	Wannaway, ore from first X-cut, 400' level. September 1971.
15	2/12/14/2	Wannaway, entrance gate. September 1971.
15	2/12/14/3	Wannaway, headframe and change house. September 1971.
15	2/12/14/4	Wannaway, first samples. September 1971.
15	2/12/14/5	Wannaway, first samples; winder. September 1971.
15	2/12/14/6	Wannaway, drums of first samples for Amdel tests. September 1971.
15	2/12/14/7	Wannaway, different view. September 1971.
15	2/12/14/8	As above, different view. September 1971.
15	2/12/14/9	Wannaway, new bin. September 1971.
15	2/12/14/10	Wannaway, ore from first X-cut. September 1971.
15	2/12/14/11	Redross, entrance to site. September 1971.
15	2/12/14/12	As above, different view. September 1971.
15	2/12/14/13	Redross headframe and first samples for Amdel. September 1971.
15	2/12/14/14	Redross headframe and temporary winder house. September 1971.
15	2/12/14/15	Redross, winder house etc. September 1971.
15	2/12/14/16	Redross, ore from first X-cut and drive. September 1971.
15	2/12/14/17	Redross, ore from first X-cut and drive. September 1971.
15	2/12/14/18	Ore sample with keys to indicate scale. Unmounted 35mm colour trans.

Box No	Archival Number	Description
	<u>2/13</u>	<u>MISCELLANEOUS PRINTS.</u>
15	2/13/1	Broken Hill - Historical. See also First Accession of CRA Photographs and Maurice Mawby Collection.
15	2/13/1/1	Broken Hill mine and surrounds. Composite 83x245mm B/W print. N.d.
15	2/13/1/2	The residence of Mr C Rasp previous to his discovery of the Broken Hill Mine. Two copies of 84x120mm B/W print. N.d.
15	2/13/1/3	Miners' housing. One 82x140mm and two 140x245mm B/W prints. N.d.
15	2/13/1/4	Dust storm. One 245x188mm B/W print. [Copy neg held by Val Foreman], N.d.
15	2/13/1/5	Early flotation works, possibly Zinc Corporation. One 158x245mm B/W print. Pre-1920.
15	2/13/1/6	Parade in Argent St., Broken Hill. One 190x250mm B/W print. N.d.
15	2/13/1/7	Housing. Two different parts of composite B/W print in various sizes. N.d.
15	2/13/1/8	Broken Hill 1885, from authentic sketch by Mr Renowden. Three copies of 175x240mm B/W prints of copy of sketch map. Original c. 1885.
15	2/13/1/9	The morning after the fire. Two copies of 155x245mm B/W print. N.d.
15	2/13/1/10	Argent St. fire, 5 November 1888. One 182x245mm B/W print. Original c 1888.
15	2/13/1/11	Street scene with tram. One 165x240mm B/W print. Original dated c. 1907.
15	2/13/1/12	Miner underground. One 190x245mm B/W print. N.d.
15	2/13/1/13	Miners underground with motorized skip. One 155x240mm B/W print. N.d.
15	2/13/1/14	Broken Hill Proprietary Co. Open Cuts 293. One 242x190mm B/W print. N.d.
15	2/13/1/15	The burning of Francis Abigail [MLA] in Effigy 1888. One 140x240mm B/W print of handbill(?). Original 20/9/99.
15	2/13/1/16	The Strike 1909. Two different 155x240mm B/W prints. Workers at mine gate; Mounted Police party with wagon in street. 1909.
15	2/13/1/17	Mock graves and placard. Two different 155x240mm B/W prints. c. 1909.

Box No	Archival Number	Description
	2/13/2	<b>Darwin Cyclone Damage and Cyclone-Proof Housing.</b>
15	2/13/2/1	Building Exteriors. One 6x6cm trans of portion of single-storey building and one 100x250mm C trans of multiple-storey building. Post-1974.
15	2/13/2/2	Material testing. One 240x190mm B/W print and two different 35mm B/W negatives. Engineer (?) with building panel and wind tunnel equipment(?). N.d.
15	2/13/2/3	Housing. Three 35mm trans. N.d.
15	2/13/2/4	Multiple-storey buildings. One 7.5x8mm B/W neg and one 95x120mm C trans. N.d.
15	2/13/2/5	Cyclone Destruction. Three 35mm trans. c. 1975.
15	2/13/2/6	Cyclone Destruction. One 95x120mm B/W print. c. 1975. See also 2/10/2/9.
15	2/13/2/7	MLC Building. One 95x120mm C trans. N.d.
15	2/13/2/8	Housing construction. One 132x187mm B/W print of plans to convert old-style house plans to fully engineered structure[s]. [Australian Information Service], 19/8/75.
15	2/13/2/9	Cyclone Destruction. Eighteen 95x118mm B/W prints and nineteen 14x18mm C negatives. c. 1975. See also 2/10/2/6.
15	2/13/2/10	Fanny Bay Race Track. One 190x245mm B/W print. [Herald and Weekly Times], n.d.
15	2/13/2/11	Cyclone damaged building and repair. Thirty-six different 35mm trans. c. 1975.
15	2/13/3	<b>Drill Core - Honeymoon Well</b> Three 35mm C negs, two with extreme colour casts. 1978.
15	2/13/4	<b>Kanmantoo - South Australian Copper Mine.</b> Four groups of 195x245mm B/W aerial prints. [Agricultural Surveys C.L.], various dates as below.
15	2/13/4/1	Towards north-west. 10/10/70.
15	2/13/4/2	Towards north. 10/10/70.
15	2/13/4/3	Towards south-east. 10/10/70.
15	2/13/4/4	Towards south-west. 10/10/70.
15	2/13/4/5	Looking west to Frank Chapman's homestead. 15/12/70.
15	2/13/4/6	Looking south-west with Callington in the background. 15/12/70.



Box No	Archival Number	Description
15	2/13/4/7	Looking north with Kanmantoo township in the background. 15/12/70.
15	2/13/4/8	Looking approximately south west. 15/12/70.
15	2/13/4/9-12	Four differing aerial views without any descriptive annotation except "Kanmantoo". 17/6/71.
15	2/13/4/13-20	Eight aerials as per 9-12 above. 16/9/71.
	2/13/5	<b>Lima, Peru.</b>
15	2/13/5/1-39	Lima office, surrounds and the city of Lima. Thirty-nine 88x132mm C prints. Three prints extracted to 2/13/7. N.d.
15	2/13/5/40	35mm C negs for above.
15	2/13/6	<b>McCubbin Butterflies.</b> One 125x100mm printed card. N.d.
15	2/13/7	<b>Maps of Cape York Peninsula(?).</b> Seven 6x6cm C trans. Early Dutch Maps(?). N.d.
15	2/13/8	<b>Minenco Smelter.</b>
15	2/13/8/1-3	Three 88x132mm C prints of smelter plant. Extracted from 2/13/4. N.d.
16	2/13/9	<b>Nature Films - Film Book.</b>
16	2/13/9/1	Water Birds. Two 110x85mm C negs: Flying adult bird and adult bird with young in nest.
16	2/13/9/2	Mock-Up. Three transparencies with registration marks and rows of images from 35mm movie film trans positioned on them. N.d.
16	2/13/9/3	Film outtakes. Numerous strips of 35mm C trans movie film used for 2/10/5/2. Needs film holders***
	2/13/10	<b>Nuclear Power Plant, Shikoko, Japan.</b>
16	2/13/10/1-28	Power Plant, surrounds and general views in Japan. Twenty-eight 88x124mm C prints. N.d.
16	2/13/10/29	35mm C negs for above.
16	2/13/11	<b>Sadgrove (???) , 1976.</b>  Large group of strips of 35mm trans of open-cut bauxite (?) mining operation. Subjects include aerials, mining operations, ore transportation, stockpiles, shiploading, ore processing and products. 'Sadgrove' is not one of CRA's operations and envelope may have been misnamed.

Box No	Archival Number	Description
	<b>2/13/12</b>	<b>Sculptures.</b> Group of 375x320mm b/w prints of metallic sculptures from Comalco Sculpture Award. Where known sculptor's names are given.
19	2/13/12/1	Unidentified sculpture. N.d.
19	2/13/12/2	Nigel Lendon. 1970.
19	2/13/12/3	Ken Reinhard. 1970.
19	2/13/12/4	Tony Coleing. 1970.
19	2/13/12/5	Lewton Parr. 1970.
19	2/13/12/6	Dax Lyle. 1970.
16	<b>2/13/13</b>	<b>Tara (?)</b>
16	2/13/13/1-14	Multiple copies of four 80x117mm C prints. Countryside and township. Headframe visible in one photograph.
	<b>2/13/14</b>	<b>United States of America, 1973.</b>
16	2/13/14/1-27	Amax Henderson Mine, Colorado. Twenty-seven 33x124mm C prints of mine, operations and surrounds - including tailings dumps and regeneration. 1973.
16	2/13/14/28	16mm C negs for above.
16	2/13/14/29	Denver and Tucson. One 33x123mm C print of staff member(?). Group of 16mm C negs. September 1973.
	<b>2/13/15</b>	<b>Venues.</b>
16	2/13/15/1	Sporting Arenas. Five 35mm trans of different sports stands and arenas. N.d.
16	2/13/15/2	Sports Arenas. Ten 6x6cm C trans of stand and other fixtures at a sports arena. N.d.
	<b>2/13/16</b>	<b>Wall Chart</b>
16	2/13/16/1	Mine wall. One approx 150x200mm B/W composite print mounted on board with captions. N.d.
16	2/13/16/2	Initial interpretation; sketch of the above mine wall. Sketch of same wall as 2/10/9/1 with key and scale. N.d.
	<b>2/13/17</b>	<b>Zinc Corporation.</b>
16	2/13/17/1	Zinc Corporation Ltd., Site of the Ref Plant, Broken Hill (looking south) 5 August 1906. One mounted 152x200mm B/W print. 1906.

Box No	Archival Number	Description
16	2/13/17/2	Zinc Ingots(?). Two different 150x100mm B/W prints of single ingot and one 150x100mm B/W print of stack of ingots. N.d.

2/14 - 2/24 CRA PHOTOGRAPHS SECOND ACCESSION - SLIDES.

Consist unless otherwise specified of 35mm slides arranged by operation and place. Most were taken by D F Fairweather of CRAE.

17	<u>2/14</u>	<u>Bougainville Copper.</u>
17	2/14/1	Bougainville Copper. April 1973.
17	2/14/1/1	Mine.
17	2/14/1/2	Concentrator building.
17	2/14/1/3	Aerial of river and road.
17	2/14/1/4	Port-mine access road.
17	2/14/1/5	Waste.
17	2/14/1/6	Jaba river with overburden.
17	2/14/1/7	Aerial of mine and roads.
17	2/14/1/8	Aerial of river.
17	2/14/1/9	Mine.
17	2/14/1/10	Silt in Jaba River or Kawerong Creek.
17	2/14/1/11	Mine pit and primary crushers.
17	2/14/1/12	Workshops, stores, etc., Panguna.
17	2/14/1/13	Waste eroding into Kawerong Creek.
17	2/14/1/14	Waste eroding into Kawerong Creek.
17	2/14/1/15	Eroding waste dumps, Kawerong Creek.
17	2/14/1/16	Jaba River confluence.
17	2/14/1/17	Felled trees on hillside.
17	2/14/1/18	Revegetation plots.
17	2/14/1/19	Lower Jaba River.
17	2/14/1/20	Waste dump.
17	2/14/1/21	Vegetation beside river.
17	2/14/1/22	Aerial of Arawa.
17	2/14/1/23	Kawerong Creek.

Box No	Archival Number	Description
17	2/14/1/24	Unidentified person and Chris Christian.
17	2/14/1/25	Mine pit, looking west.
17	2/14/1/26	Mine pit and Kawerong Creek.
17	2/14/1/27	Mine looking north towards crusher and concentrator.
17	2/14/1/28	Mine looking north east towards Panguna.
17	2/14/1/29	Unidentified person and Chris Christian, consultant ecologist.
17	2/14/1/30	River and mine buildings at night.
17	2/14/1/31	Aspect of mine.
17	2/14/1/32	Revegetation(?).
17	2/14/1/33	Kawerong Creek.
17	2/14/1/34	Jaba River.
17	2/14/1/35	Waste material and Kawerong Creek.
17	2/14/1/36	Revegetation trials.
17	2/14/1/37	Aspect of mine.
	<b>2/14/2</b>	<b>Bougainville Copper. (C S Christian), April 1973.</b>
17	2/14/2/1	Revegetation on gravel.
17	2/14/2/2	Jaba River.
17	2/14/2/3	Jaba River.
17	2/14/2/4	Lower Jaba River.
17	2/14/2/5	Mouth of Jaba River, delta forming.
17	2/14/2/6	Jaba River.
17	2/14/2/7	Jaba pump station.
17	2/14/2/8	Jaba River.
17	2/14/2/9	Jaba/Kawerong.
	<b><u>2/15</u></b>	<b><u>Broken Hill South Ltd.</u></b>
	<b>2/15/1</b>	<b>Broken Hill South Operations. Early 1970s.</b>
17	2/15/1/1	Preparing square-set timber stope for hydraulic stowage.
17	2/15/1/2	Granby type trucks tipping into ore pass.

Box No	Archival Number	Description
17	2/15/1/3	Scraper hoe in open stope.
17	2/15/1/4	Miner operating air-driven triple drum scraper in open stope.
17	2/15/1/5	Miner attaching scraper block to stope face.
17	2/15/1/6	Miner operating a triple drum air-driven scraper winch.
17	2/15/1/7	Granby type truck tipping into ore pass.
17	2/15/1/8	Ten ton 105 H.P. diesel locomotive 1480' level haulage drive.
17	2/15/1/9	2400' level exploratory drive, removing broken mullock from a storage trench.
17	2/15/1/10	Stacks of caps, struts and boards for erection in square-set timber stope.
17	2/15/1/11	Underground supervisor directing miners in square-cut timber stope.
17	2/15/1/12	Stacking boards in square-set timber stope.
17	2/15/1/13	A repair timberman in boson's chair being lowered into chute.
17	2/15/1/14	Miner charging face of stope with explosives above gangway.
17	2/15/1/15	Filling a square-set timbered stope with hydraulic stowage.
17	2/15/1/16	Placing Granby truck on main line using transfer trolley, 2400' level exploratory drive.
17	2/15/1/17	Spalling an oversize slab of ore.
17	2/15/1/18	Plate layers laying permanent track during driving operations.
17	2/15/1/19	Nos 4 and 7 headframes.
17	2/15/1/20	'A' frame 20' pull F65 diamond drill machine drilling outback prospecting hole.
17	2/15/1/21	Drilling holes in stope face with airleg rock drill.
17	2/15/1/22	Engineering draftsman at work.
17	2/15/1/23	Surveyor marking plughole in back high drive.
17	2/15/1/24	Underground surveyor using wildt(?) 16 theodolite.
17	2/15/1/25	Elmco 24B bogger loading on to belt elevator car, 2400' level exploratory drive.

Box No	Archival Number	Description
17	2/15/1/26	Water control at underground hydraulic stowage station.
17	2/15/1/27	Filling a square-set timber stope with hydraulic stowage.
17	2/15/1/28	Air and water pipe hangers and plastic ventilation tubing, 2400' level exploratory drive.
17	2/15/1/29	Elmco 24B bogger removing broken rock from drive face, 2400' level exploratory drive.
17	2/15/1/30	Boring face from boring platform, 2400' level exploratory drive.
17	2/15/1/31	Stringers catching heavy back of stope, in front of square sets.
17	2/15/1/32	Rake Granby type trucks and 3-1/2 ton battery locomotive leaving ore pass tipping ramp.
17	2/15/1/33	Loading ore from chute into Granby trucks.
17	2/15/1/34	Cutting rail with air-driven friction cutter.
17	2/15/1/35	Underground winch driver.
17	2/15/1/36	Unidentified waste dumps. c. 1965.
	<u>2/16</u>	<u>Coal Operations.</u>
	2/16/1	KCC (Kembla Coal & Coke) - Coalcliff. (D F Fairweather), July 1972 to June 1973.
17	2/16/1/1	Coalcliff coke ovens, new and old. June 1973.
17	2/16/1/2	Coalcliff.
17	2/16/1/3	Coalcliff coke ovens and hillside.
17	2/16/1/4	Scarborough area. Playing field reclaimed land with coal refuse.
17	2/16/1/5	Coalcliff, panorama 1, looking S towards proposed dump.
17	2/16/1/6	Coalcliff, panorama 2.
17	2/16/1/7	Coalcliff beehive coke ovens (old).
17	2/16/1/8	Coalcliff. View of coast to south.
17	2/16/1/9	Darke's Forest mine, revegetation near rock dump.
17	2/16/1/10	Coalcliff coke ovens, old and new.
17	2/16/1/11	Coalcliff. Fine refuse disposal, and coke ovens.

Box No	Archival Number	Description
17	2/16/1/12	Coalcliff coke ovens (old).
17	2/16/1/13	Coalcliff. Kikuyu on refuse dump face.
17	2/16/1/14	Coalcliff. Refuse disposal Madden's Plain, panorama 1.
17	2/16/1/15	Coalcliff. Madden's Plain refuse disposal, panorama 2.
17	2/16/1/16	Coalcliff Colliery.
17	2/16/1/17	Coalcliff Colliery.
17	2/16/1/18	Coalcliff Colliery and Illawarra Coke.
17	2/16/1/19	NSW South Coast. Coalcliff to Pt Kembla area, panorama 1.
17	2/16/1/20	NSW South Coast, Coalcliff behind hill, panorama 2.
17	2/16/1/21	Coalcliff washed coal storage, stacker and sprays.
17	2/16/1/22	Estray extracted from 2/19/2. Coalcliff Colliery Building. N.d.
	2/16/2	Queensland Coal - Brisbane, Swan Bank Power Station. Open Pit Coal. (D F Fairweather), April 1971.
17	2/16/2/1	Post Office at Nanango.
17	2/16/2/2	Brisbane, Swan Bank Smoke.
17	2/16/2/3	As above, different view.
17	2/16/2/4	Swan Bank; foreground Station 'A'; Station 'B' at rear.
17	2/16/2/5	Swan Bank 'A', coal conveyor etc.
17	2/16/2/6	Open pit coal.
17	2/16/2/7	As above, different view.
17	2/16/2/8-9	As above, different views.
17	2/16/2/10	North of Brisbane, aerial.
17	2/16/2/11-12	North of Brisbane, aerials of possible power station site.
17	2/16/2/13	Brisbane, Fisherman Island.
17	2/16/2/14-15	Aerials of Snowy Mountains, Mt Kosciusko [estrays].

Box No	Archival Number	Description
	2/16/3	Queensland Coal - Goonyella; Blackwater; Leichhardt, Clutha, Thiess (Blackwater area). (D F Fairweather), March 1971.
17	2/16/3/1	Goonyella, mine drainage and ramp.
17	2/16/3/2	Goonyella, coal loading.
17	2/16/3/3	Goonyella, water truck.
17	2/16/3/4	As above, different view.
17	2/16/3/5	Goonyella, housing at Moranbah.
17	2/16/3/6	Goonyella, new strip mine.
17	2/16/3/7	Blackwater, washery.
17	2/16/3/8	Blackwater, washery reject material disposal.
17	2/16/3/9	Blackwater, washed coal storage.
17	2/16/3/10	Blackwater, raw coal storage.
17	2/16/3/11	Blackwater, aerial.
17	2/16/3/12	As above, different view.
17	2/16/3/13	Blackwater, aerial of DL on bridge.
17	2/16/3/14	Blackwater, drilling and blasting, aerial.
17	2/16/3/15	Blackwater, south area DL.
17	2/16/3/16	Blackwater, south area looking north.
17	2/16/3/17	Blackwater, aerial looking N.
17	2/16/3/18	As above, different view.
17	2/16/3/19	Clutha operation near Blackwater area.
17	2/16/3/20	Clutha operation, Blackwater area.
17	2/16/3/21	Thiess operation, Blackwater area.
17	2/16/3/22	As above, different view.
17	2/16/3/23	As above, different view.
17	2/16/3/24	Leichhardt Collieries (BHP).
17	2/16/3/25	Leichhardt Colliery.
	2/16/4	Queensland Coal - Luggage Point; Moreton Bay Coast; Possible Power Station Site; Caboolture, Kilcoy, Linville Rail. (D F Fairweather), March 1971.



Box No	Archival Number	Description
17	2/16/4/1-2	Aerials of Luggage Point, different views.
17	2/16/4/3	Aerial of Moreton Bay coast.
17	2/16/4/4	As above, different view.
17	2/16/4/5	As above, different view.
17	2/16/4/6	As above, different view.
17	2/16/4/7	As above, different view.
17	2/16/4/8	Area of possible power station, east of Caboolture.
17	2/16/4/9	As above, different view.
17	2/16/4/10-12	Aerials of coastline near Caboolture(?).
17	2/16/4/13-14	Caboolture rail, different views.
17	2/16/4/15-16	Caboolture-Kilcoy rail, different views.
17	2/16/4/17	Caboolture-Kilcoy rail, different views.
17	2/16/4/18	Caboolture-Kilcoy rail.
17	2/16/4/19	Kilcoy-Harlin area rail.
17	2/16/4/20	Brisbane River valley looking north.
17	2/16/4/21	Brisbane River valley looking north.
17	2/16/4/22	Linville looking west along rail.
17	2/16/4/23	West of Linville rail.
17	2/16/4/24	As above, different view.
	2/16/5	Queensland Coal - Blackwater (1). (D F Fairweather), March 1971.
17	2/16/5/1	Blackwater Pit; Von Storch (US Steel).
17	2/16/5/2	Blackwater drainage and ramp.
17	2/16/5/3	Blackwater high wall, looking north.
17	2/16/5/4	Blackwater, dragline and bucket.
17	2/16/5/5	Blackwater, 'dozer removing top layer of oxidized coal (on site FSI testing).
17	2/16/5/6	Blackwater 'strip.
17	2/16/5/7	Blackwater, looking south at blasted ground ahead of drag line.

Box No	Archival Number	Description
17	2/16/5/8	Blackwater, looking south at blasted ground ahead of drag line.
17	2/16/5/9	Blackwater, looking south at blasted ground for dragline.
17	2/16/5/10	Blackwater, power cable (dragline).
17	2/16/5/11	Blackwater looking north; overburden, drill and dragline in distance.
17	2/16/5/12	Blackwater coal drilling and blasting.
17	2/16/5/13	Coal awaiting drill and blast after clay removed by bulldozer.
17	2/16/5/14	Blackwater, coal loading; PH1600 and Mich 475; Euclid 100T.
17	2/16/5/15	Blackwater, W/S from office, panorama 1.
17	2/16/5/16	Blackwater, train being loaded, panorama 2 from office.
17	2/16/5/17	Blackwater, washery etc., panorama 3 from office.
	2/16/6	<b>Queensland Coal - Moura; Calcap-Callide. (D F Fairweather), March 1971.</b>
17	2/16/6/1	TPM's Moura Mine looking southwest. Coal dips west.
17	2/16/6/2	Moura Mine. Washery, office and strip looking south west. Coal dips west.
17	3/16/6/3	Moura Mine looking north west.
17	2/16/6/4	Moura Mine. Multi seams looking west. Coal dips west.
17	2/16/6/5	Moura. Multi seams looking west.
17	2/16/6/6	Moura, looking north. Note dragline with broken boom.
17	2/16/6/7	Moura. High wall looking south. Note bucket of the dragline with broken boom.
17	2/16/6/8	Moura, looking north along stripped coal. Note west dip.
17	2/16/6/9	Moura. Dragline at work. Rock has been excessively blasted.
17	2/16/6/10	Calcap power station, aerial.
17	2/16/6/11	Calcap dam.
17	2/16/6/12	Calcap power station and Callide open pit.

Box No	Archival Number	Description
17	2/16/6/13-14	Callide pit.
17	2/16/6/15	Callide pit, Calcop station, Calcop dam.
17	2/16/6/16-18	Callide pit aerials.
	2/16/7	Queensland Coal - Linville; Swan Bank; Hay Point; rail to Goonyella; Slade Point and Mackay Harbour; Slade Point, Hail Creek rail route; Hail Creek and Elphinstone areas. (D F Fairweather), March 1972.
17	2/16/7/1	Aerial of Blackbutt.
17	2/16/7/2	Linville-Yarraman rail.
17	2/16/7/3	Aerial of Yarraman.
17	2/16/7/4	Mackay-Hail Creek rail route; aerial.
17	2/16/7/5	Aerial of Mackay-Hail Creek rail route tunnel site.
17	2/16/7/6	Aerial of Mackay Harbour for Slade Point(?).
17	2/16/7/7	Looking south from Slade Point.
17	2/16/7/8	Mackay Harbour entrance with Slade Point in distance, panorama 1.
17	2/16/7/9	Off Mackay Harbour, panorama 2.
17	2/16/7/10	Off Mackay Harbour, panorama 3.
17	2/16/7/11-12	Aerials of Hay Point.
17	2/16/7/13	Hay Point. Storage from control room.
17	2/16/7/14	Hay Point jetty.
17	2/16/7/15	Hay Point jetty: Bob ? (Utah); Alan McQueen; OJB; GWH(hidden).
17	2/16/7/16	Hay Point jetty under construction.
17	2/16/7/17	As above, different view.
17	2/16/7/18	Hay Point rail to Goonyella.
17	2/16/7/19	Hay Point - Goonyella rail.
17	2/16/7/20	Elphinstone aerial (note open cut).
17	2/16/7/21-22	Swan Bank, different views.
17	2/16/7/23	Hail Creek coal area; looking north along west side.
17	2/16/7/24	"Aerial of Hail Creek camp site; centre of syncline 38,000 north (about)."

Box No	Archival Number	Description
17	2/16/7/25	Hail Creek, east side coal outcrop.
17	2/16/7/26	Hail Creek, east side coal outcrop.
17	2/16/7/27	Hail Creek about 41,000 north line, west side. Contractor coring coal.
17	2/16/7/28	Hail Creek, west side looking north.
17	2/16/7/29	Hail Creek, over coal, west side looking north.
17	2/16/7/30	Hail Creek, looking west along line 41,000 north (over strip mine site, coal dips 5° E here).
17	2/16/7/31	Hail Creek, looking west across syncline.
	2/16/8	Queensland Coal (ex GWH( <del>2</del> ))- Blackwater. 80x120mm B/W prints. 5
17	2/16/8/1	Utah 100 haulpak.
17	2/16/8/2	Utah Blackwater.
17	2/16/8/3	Utah Blackwater: slune dam; waste bin.
17	2/16/8/4	Goonyella housing.
17	2/16/8/5	Utah Blackwater: new dragline erection.
17	2/16/8/6	Utah Blackwater: stripping to coal.
17	2/16/8/7	Utah Blackwater: new dragline being erected.
17	2/16/8/8	Utah Blackwater: coal seam and access road.
17	2/16/8/9	Utah Blackwater: drainage slope, key cut.
17	2/16/8/10	UDC dragline.
17	2/16/8/11	Drilling and blasting coal.
17	2/16/9	Queensland Coal - Ground Shots: Tarong North, Tarong Central, Tarong South. March 1971.
17	2/16/9/1	Tarong South looking south at S2 Block A.
17	2/16/9/2	Tarong South looking east-south-east at S2 Block B (Horst area).
17	2/16/9/3	Tarong South on S1 A4 looking south (house is just beyond edge of coal, sil limit).
17	2/16/9/4	Tarong South on S1 A4 looking north.
17	2/16/9/5	Tarong South, east edge S1 Block B.
17	2/16/9/6	Near Tarong North.

Box No	Archival Number	Description
17	2/16/9/7	Tarong 8" core, R8/1029 120'30" to 124'10"
17	2/16/9/8	Tarong South looking NW at S1 Block B.
17	2/16/9/9	Tarong North looking SE(?).
17	2/16/9/10	Tarong South on S2 Block A, looking NE.
17	2/16/9/11	Tarong South looking N at S1 Block A.
17	2/16/9/12	Barker's Creek looking S (just south of Tarong Central).
17	2/16/9/13	Tarong area.
17	2/16/9/14	Tarong South S2 Block A looking NE from W edge.
17	2/16/9/15	Tarong South S1 Block A.
17	2/16/9/16	Tarong South looking W at S1 A4 from east edge (5:1).
	<u>2/17</u>	<u>Gunpowder(?)</u> .
	2/17/1	<b>Gunpowder: Town; Mt Oxide open pit. (D F Fairweather), May 1971.</b>
17	2/17/1/1	Mammoth pit: ore face, quartz to wall, broken ore.
17	2/17/1/2	Mammoth pit; broken ore (sulphating), quartz wall.
17	2/17/1/3	Gunpowder, panorama 2. (See below 27.)
17	2/17/1/4	Gunpowder, panorama 1.
17	2/17/1/5	Caravan park.
17	2/17/1/6	Caravan park, laundry etc.(?)
17	2/17/1/7	Caravan park.
17	2/17/1/8	Gunpowder.
17	2/17/1/9	Gunpowder, three-bedroom house.
17	2/17/1/10	Gunpowder school.
17	2/17/1/11	Gunpowder, caravan park 2.
17	2/17/1/12	Gunpowder, caravan park 1.
17	2/17/1/13	Gunpowder, SMQ.
17	2/17/1/14	Gunpowder, housing.
17	2/17/1/15	Mammoth pit, general view.
17	2/17/1/16	Gunpowder concentrate drying.

Box No	Archival Number	Description
17	2/17/1/17	Gunpowder, looking towards Mammoth pit from offices.
17	2/17/1/18	Gunpowder, mine offices.
17	2/17/1/19	Gunpowder, road to Mt Oxide.
17	2/17/1/20	Gunpowder, W/S(?).
17	2/17/1/21	Gunpowder plant; ore bins, grinding, flotation; Mammoth open pit is behind hills. Panorama 2.
17	2/17/1/22	Gunpowder plant; power station, crushers, fine ore bins. Panorama 1.
17	2/17/1/23	Mt Oxide open pit looking N.
17	2/17/1/24	Mt Oxide ore stockpile feeding primary crusher.
17	2/17/1/25	Gunpowder, shopping and industrial area.
17	2/17/1/26	Gunpowder, SW pool.
17	2/17/1/27	Gunpowder, panorama 3. (See above 3-4.)
	<u>2/18</u>	<u>HAMERSLEY IRON</u>
	<u>2/18/1</u>	<u>Hamersley - mostly Dampier. July 1973.</u>
17	2/18/1/1	Paraburdoo, mine bench.
17	2/18/1/2	Paraburdoo, mine bench.
17	2/18/1/3	Plant.
17	2/18/1/4	Reclaimer.
17	2/18/1/5	Bay(?).
17	2/18/1/6	Pellet plant, Dampier.
17	2/18/1/7	Pellet plant, Dampier.
17	2/18/1/8	Loaded rail trucks.
17	2/18/1/9	Conveyors.
17	2/18/1/10	Bay.
17	2/18/1/11	Bay(?).
17	2/18/1/12	Silty stream entering bay.
17	2/18/1/13	Plant from distance.
17	2/18/1/14	East Intercourse Island(?).
17	2/18/1/15	Bay.

Box No	Archival Number	Description
17	2/18/1/16	East Intercourse Island(?).
17	2/18/1/17	Paraburdoo.
17	2/18/1/18	Pellet Plant.
17	2/18/1/19	Stockpile.
17	2/18/1/20	Pellet plant.
17	2/18/1/21	Pellet plant.
17	2/18/1/22	Loading facilities.
17	2/18/1/23	Pellets on conveyor.
17	2/18/1/24	Stockpiles.
17	2/18/1/25	Pellet plant.
17	2/18/1/26	Township(?).
	<u>2/19</u>	<u>MINERAL SANDS.</u>
	2/19/1	<b>Tioxide and NW Acid, Tasmania. June/July 1972.</b>
17	2/19/1/1	NW Acid, Burnie, general view.
17	2/19/1/2	ATP waterfront area. Australian Tioxide Pty. Ltd.
17	2/19/1/3	Australian Tioxide Pty. Ltd., general view.
17	2/19/1/4	ATP stores area (acid, oil, etc.), panorama 3.
17	2/19/1/5	ATP ilmenite bins, panorama 1.
17	2/19/1/6	ATP power station, panorama 2.
17	2/19/1/7	APPM and Burnie, general view.
	2/19/2	<b>ATP Titanium, Tasmania.(?)</b>
17	2/19/2/1	Concentrators (?) ATP Titanium. June 1972.
17	2/19/2/2	Estray - Coalcliff Colliery Building, removed to 2/16/1.
	2/19/3	<b>Western Mineral Sands. May 1972.</b>
17	2/19/3/1-20	Twenty unidentified slides of mining operations, plant, shiploading and port facilities, port operations.
	2/19/4	<b>W.M.S. (Western Mineral Sands). April 1975.</b>
17	2/19/4/1	W.M.S., new dredge.

Box No	Archival Number	Description
17	2/19/4/2	W.M.S., dredge cutter-head partly showing.
17	2/19/4/3	Front of dredge and bank.
17	2/19/4/4	Dredge digging base of bank.
17	2/19/4/5-6	Tailings.
17	2/19/4/7	Tailings, showing preparation for grassing.
17	2/19/4/8	Tailings stream in distance.
17	2/19/4/9	Bank being dredged.
17	2/19/4/10	Dredge at work.
17	2/19/4/11	Treatment plant.
17	2/19/4/12	Dredged bank.
17	2/19/4/13	John McDonald, manager, and Peter Powell(?), assistant manager, on bank.
17	2/19/4/14	60,000 ton stockpile of ilmenite.
18	2/19/5	<b>W.S.L. and Westernport. June 1972.</b>
18	2/19/5/1	W.S.L. mined area with Peter Powell(?) of W.M.S.
18	2/19/5/2	W.S.L. mined area, June 1972.
18	2/19/5/3	Westernport Bay, Hastings reclaimed, June 1972.
18	2/19/5/4	W.S.L., soil removed, June 1972.
18	2/19/5/5	Westernport Bay, Hastings reclaimed, June 1972.
18	2/19/5/6	Westernport Bay, view from Hastings (reclamation for town), June 1972.
18	2/19/5/7	Westernport reclamation by Ports and Harbours, June 1972.
18	2/19/5/8-9	Westernport reclamation by Ports and Harbours, June 1972.
18	2/19/5/10	Westernport, view from oil wharf (Esso-BHP), note mangroves, June 1972.
18	2/19/5/11	W.S.L., loading ore, June 1972.
18	2/19/5/12	W.S.L., wet plant, June 1972.
18	2/19/5/13	W.S.L., tailings disposal, June 1972.
18	2/19/5/14	W.S.L., tailings disposal, June 1972.
18	2/19/5/15	W.S.L., plant area, panorama 1. June 1972.



Box No	Archival Number	Description
18	2/19/5/16	W.S.L., plant area, panorama 2. June 1972.
18	2/19/5/17	W.S.L., plant area, panorama 3. June 1972.
	<b>2/19/6</b>	<b>W.S.L. and Westernport. June 1972.</b>
18	2/19/6/1	W.S.L. mined area.
18	2/19/6/2	W.S.L. mined area.
18	2/19/6/3	Westernport, Esso-BHP gas plant.
18	2/19/6/4	Westernport, Esso-BHP gas plant.
18	2/19/6/5	Pipeline, unidentified.
	<b><u>2/20</u></b>	<b><u>NAVAN.</u></b>
	<b>2/20/1</b>	<b>Navan, Ireland(?). (D F Fairweather), December 1972.</b>
18	2/20/1/1	Navan, panorama 2.
18	2/20/1/2	Navan area, looking NE from farmhouse, above deposit.
18	2/20/1/3	Navan, River Blackwater, panorama 3. December 1972.
	<b><u>2/21</u></b>	<b><u>NEW ZEALAND.</u></b>
	<b>2/21/1</b>	<b>New Zealand, April 1974.</b>
18	2/21/1/1	Clubhouse, unidentified.
18	2/21/1/2	Port facilities, partially double-exposed.
	<b><u>2/22</u></b>	<b><u>PEKO.</u></b>
	<b>2/22/1</b>	<b>Peko: Warrego &amp; Gecko Mines, Tennant Creek Area, N.T. (D Fairweather), December 1970/March 1971.</b>
18	2/22/1/1	Peko Mine.
18	2/22/1/2	Peko Mine, headframe.
18	2/22/1/3	Peko Mine.
18	2/22/1/4-5	Peko Mine.
18	2/22/1/6-9	Tennant Creek, Warrego Mine.
18	2/22/1/10	Warrego Mine, single men's quarters, sixteen per hut.
18	2/22/1/11	Warrego Mine, recreation hall.
18	2/22/1/12	Warrego Mine, recreation area basketball court.
18	2/22/1/13	Warrego Mine, new staff house under construction.

Box No	Archival Number	Description
18	2/22/1/14	Warrego Mine, prefabricated units.
18	2/22/1/15	Warrego Mine, street scene.
18	2/22/1/16	Single men, old-style quarters.
18	2/22/1/17	Gecko, construction at shaft site.
18	2/22/1/18-19	Unidentified parachutist landing. N.d.
18	2/22/1/20	Swimming pool, Tennant Creek (?). N.d.
18	2/22/1/21-27	Portable and permanent housing, Tennant Creek(?). N.d.
18	2/22/1/28-29	Gathering at sporting ground, Tennant Creek(?). N.d.
18	2/22/1/30	Road Train. N.d.
18	2/22/1/31	View of landscape. N.d.
	<u>2/23</u>	<u>URANIUM.</u>
	2/23/1	<b>Brown's Mineral Spec.[Prospect]. Mineral deposit processed with Rum Jungle equipment. August 1973. (See also 2/23/3.)</b>
18	2/23/1/1	Cleared sampling area.
18	2/23/1/2	Trench in above area.
18	2/23/1/3	Vegetation.
18	2/23/1/4-5	Bulldozing operations.
18	2/23/1/6	Sample with geologist's pick.
18	2/23/1/7-8	Bulldozing operations.
18	2/23/1/9	Caravan beside operations area.
18	2/23/1/10	Sample with geologist's pick.
18	2/23/1/11-13	Personnel inspecting bulldozed site.
18	2/23/1/14	Personnel with samples.
18	2/23/1/15	Personnel (collecting samples from bulldozed area(?)).
18	2/23/1/16	Storage drums.
18	2/23/1/17	Ore samples.
18	2/23/1/18	Personnel (collecting samples(?)).
18	2/23/1/19	Bulldozed area.

Box No	Archival Number	Description
18	2/23/1/20	Sample with matchbox.
18	2/23/1/21	Personnel sampling.
18	2/23/1/22	Sample with geologist's pick.
18	2/23/1/23	Personnel sampling.
18	2/23/1/24	Bulldozed area with caravan in background.
	<b>2/23/2</b>	<b>Rum Jungle. 1970-71.</b>
18	2/23/2/1	Rum Jungle, April 1971.
18	2/23/2/2	Administration building, April 1971.
18	2/23/2/3	Intermediate open cut, April 1971.
18	2/23/2/4	Rum Jungle, April 1971.
18	2/23/2/5	Plant, April 1971.
18	2/23/2/6	Rum Jungle, plant from road. April 1971.
18	2/23/2/7	Ore store(?), April 1971.
18	2/23/2/8	Power house, April 1971.
18	2/23/2/9	Acid Plant(?), April 1971.
18	2/23/2/10	Tailings, April 1971.
18	2/23/2/11	Sulphur(?), April 1971.
18	2/23/2/12	White's open cut, April 1971.
18	2/23/2/13	Heap leach and ponds, April 1971.
18	2/23/2/14	Batchelor oval(?), April 1971.
18	2/23/2/15	East Finniss River showing pollution, December 1970.
18	2/23/2/16	East Finniss River (below R.J.), December 1970.
18	2/23/2/17	Finniss River upstream from confluence with East Finniss River, December 1970.
18	2/23/2/18	Lagoon near Rum Jungle, December 1970.
18	2/23/2/19	Eleven foot six inch python at Rum Jungle, December 1970.
18	2/23/2/20	Rum Jungle Creek South open cut, December 1970.
18	2/23/2/21	Rum Jungle Creek South open cut, December 1970.
18	2/23/2/22	Rum Jungle Creek South open cut, August 1973.

Box No	Archival Number	Description
18	2/23/2/23	As above, August 1973.
	2/23/3	Rum Jungle and Brown's. July 1977.
18	2/23/3/1-33	Mineral leases directly across East Finniss River from Rum Jungle. Set of 35mm C negs.
	2/23/4	South Alligator River Uranium Mines: Molina; El Sherana; Palette. 1971.
18	2/23/4/1	El Sherana, pit bottom.
18	2/23/4/2	El Sherana, top of hill to pit bottom.
18	2/23/4/3	Looking west across South Alligator.
18	2/23/4/4	South Alligator valley.
18	2/23/4/5	El Sherana area.
18	2/23/4/6	Bridge across creek, El Sherana area.
18	2/23/4/7	Same creek as above.
18	2/23/4/8	Same bridge as in 6 & 7 above, El Sherana.
18	2/23/4/9	Washed out crossing, South Alligator River.
18	2/23/4/10	View of north wall of South Alligator valley waterfall.
18	2/23/4/11	Wildflowers.
18	2/23/4/12	Moline.
18	2/23/4/13	El Sherana open pit.
18	2/23/4/14	Looking north from El Sherana, unconformity.
18	2/23/4/15	Looking northwest from El Sherana, unconformity.
18	2/23/4/16	Panorama 1, from Palette looking east.
18	2/23/4/17	Panorama 2, as above.
18	2/23/4/18	Panorama 3, as above.
18	2/23/4/19	Rock from near Palette (hence name).
18	2/23/4/20	Open pit, Palette.
18	2/23/4/21	Hill above Palette pit.
	<u>2/24</u>	<u>UNITED STATES OF AMERICA.</u>
	2/24/1	Arizona: San Manuel; Twin Buttes; Aerial; St Lawrence Seaway. (D Fairweather), September 1972.

Box No	Archival Number	Description
18	2/24/1/1	Twin Buttes, monitoring movement.
18	2/24/1/2	Twin Buttes, drilling and loading porphyry ore.
18	2/24/1/3	Twin Buttes, Barber-Green wheel excavator on trial.
18	2/24/1/4	Twin Buttes, tough digging for the wheel excavator.
18	2/24/1/5	Twin Buttes, mill etc., from rock disposal area.
18	2/24/1/6	Twin Buttes tailings dam.
18	2/24/1/7	Twin Buttes waste rock disposal.
18	2/24/1/8	Tucson area, mines aerial.
18	2/24/1/9	Tucson area, aerial (Twin Buttes(?)).
18	2/24/1/10	Tucson area, aerial.
18	2/14/1/11	Aerial of limestone quarry near Tucson (environmental attacks????).
18	2/24/1/12	Arizona. Aerial of Pedro Valley(?); San Manuel Smelter(?).
18	2/24/1/13	San Manuel Smelter.
18	2/24/1/14	St Lawrence Seaway near Montreal.
18	2/24/1/15-32	Views of Twin River Buttes pit and mill(?) and surrounding area.
18	2/24/1/33-37	Aerials of Tucson.
	<b>2/24/2</b>	<b>Tucson Area. October 1972.</b>
18	2/24/2/1-10	General views of countryside around unidentified plant. See 2/24/8-11 above.
	<b>2/24/3</b>	<b>Bagdad Copper, Vancouver. (D Fairweather), December 1972.</b>
18	2/24/3/1	Vancouver.
18	2/24/3/2	Vancouver (harbour).
18	2/24/3/3	Vancouver (harbour).
18	2/24/3/4	Bagdad.
18	2/24/3/5	Bagdad Plant, panorama 2.
18	2/24/3/6	Bagdad Plant, panorama 1, SX and electrowin at rear.
18	2/24/3/7	Bagdad mine.
18	2/24/3/8	Bagdad mine, panorama 3.

Box      Archival      Description  
No      Number

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18      2/24/3/9      Bagdad mine, panorama 2.  
18      2/24/3/10      Bagdad mine, panorama 1.  
18      2/24/3/11      Aerial of Bagdad area.  
18      2/24/3/12-13      Aerials of Bagdad area.