APPENDIX A

Historical Aerial Photographs

Appendix A Historical Aerial Photographs

Aerial photographs obtained from QImagery (an online aerial photograph library provided by the Queensland Government) and Google Earth. Copies of the reviewed photographs are provided below. The below table provides a summary of the year and the relevant plate reference of the historical aerial photograph copy.

Table 1: Year and Plate reference of photograph copy reviewed

Year	Plate reference of photograph copy	Source
1969	Plate 1 and 2	QImagery
1979	Plate 3 to 9	QImagery
1983	Plate 10	RTAW
1984	Plate 11	Google Earth
1988	Plate 12	RTAW
1989	Plate 13 to 16	QImagery
1990	Plate 17	RTAW
1994	Plate 18	Google Earth
1995	Plate 19 to 21	QImagery
2004	Plate 22	Google Earth
2014	Plate 23	Google Earth
2016	Plate 24	Google Earth

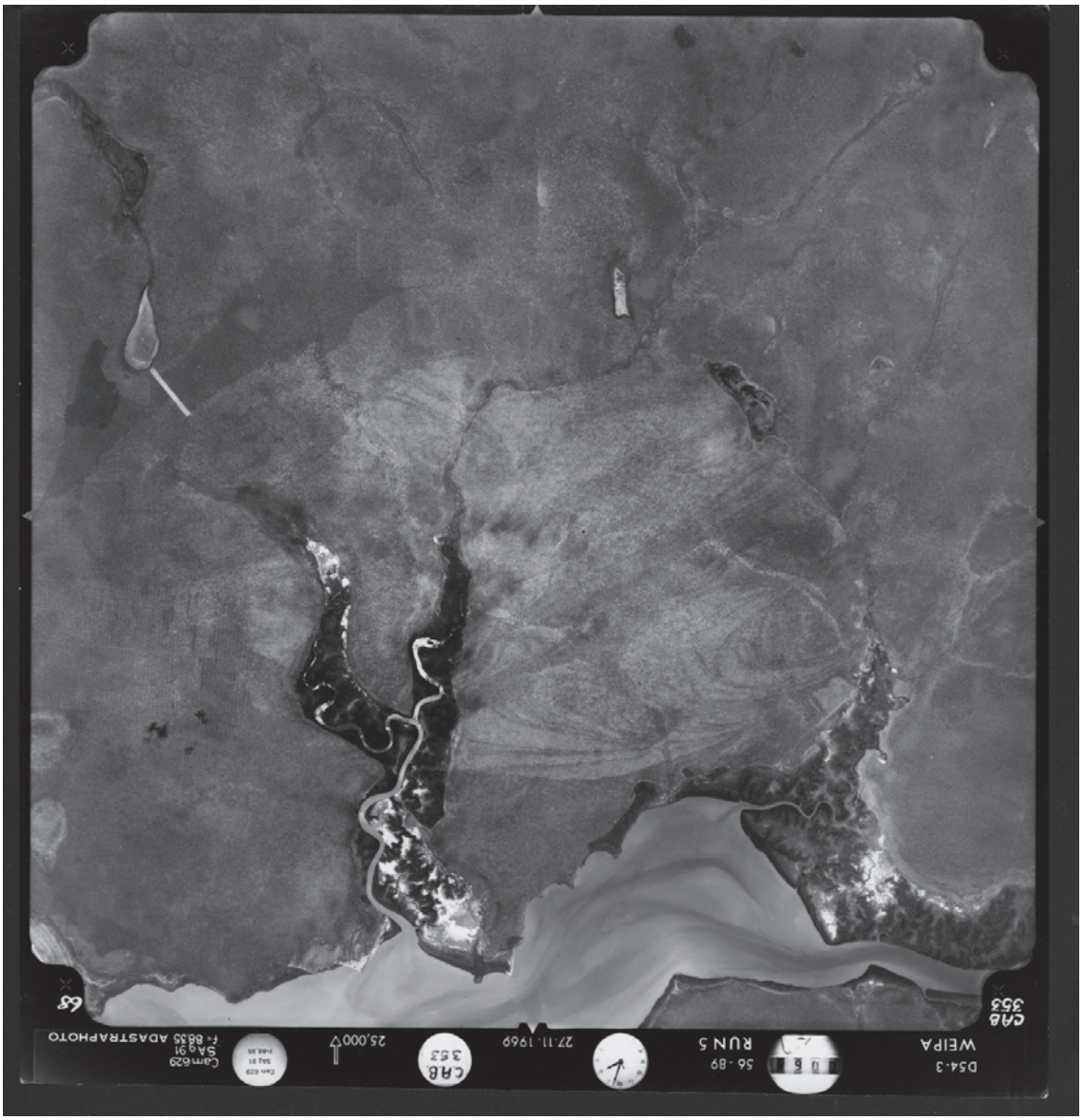


Plate 1: 1969 Andoom Area

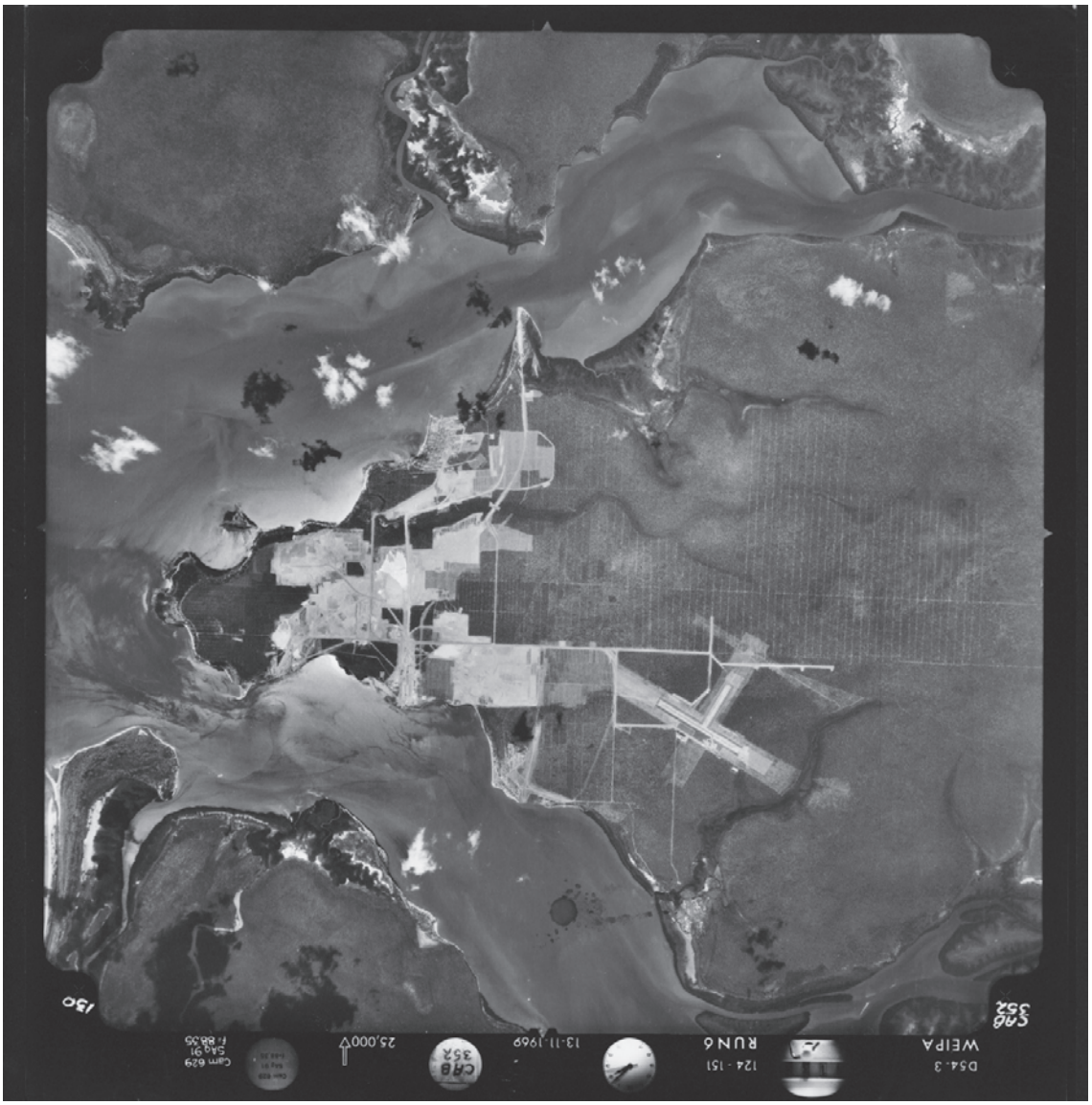


Plate 2: 1969 Weipa Peninsula

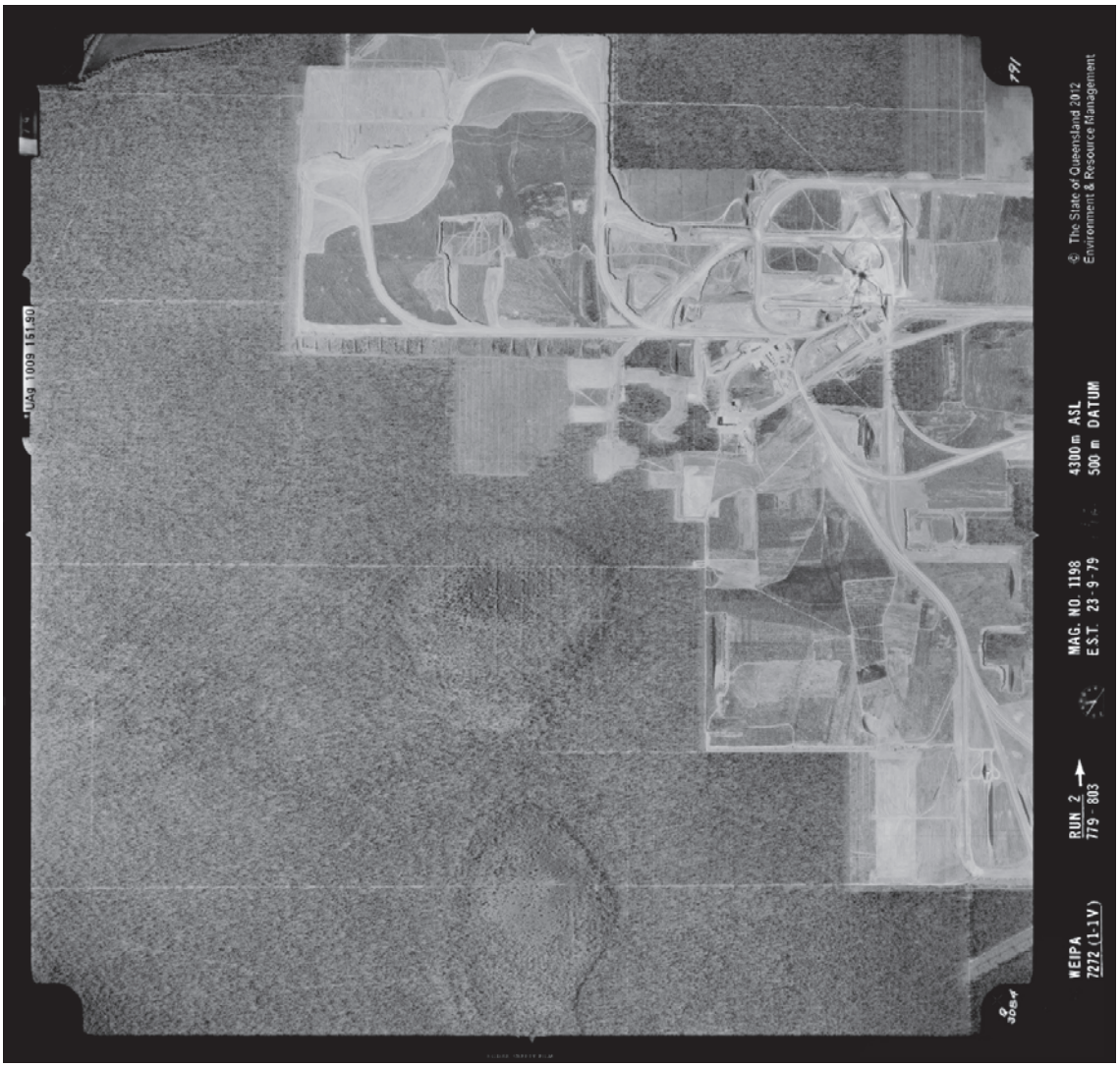


Plate 3: 1979 Andoom Area

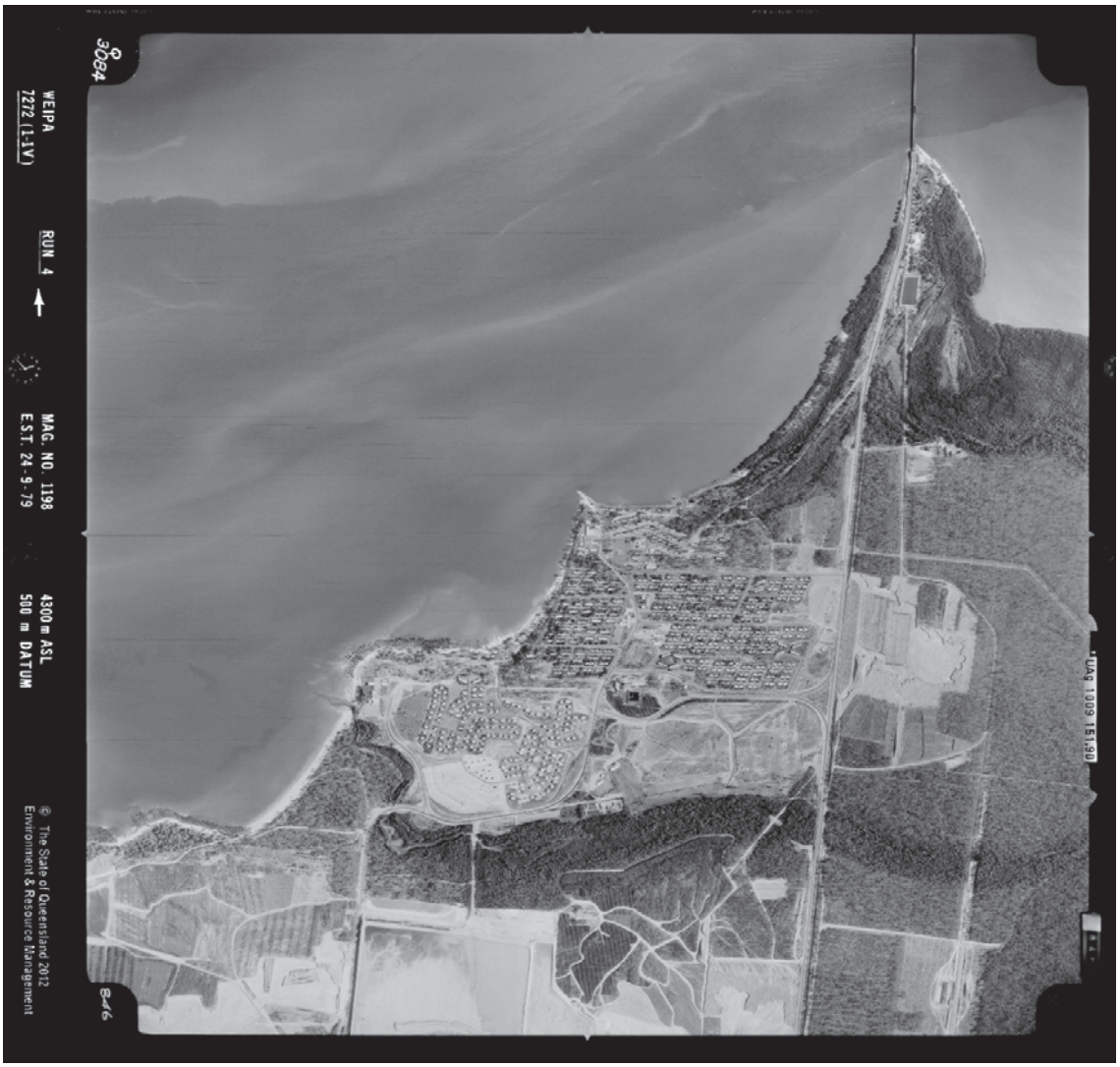


Plate 4: 1979 North Weipa Peninsula including Rocky Point

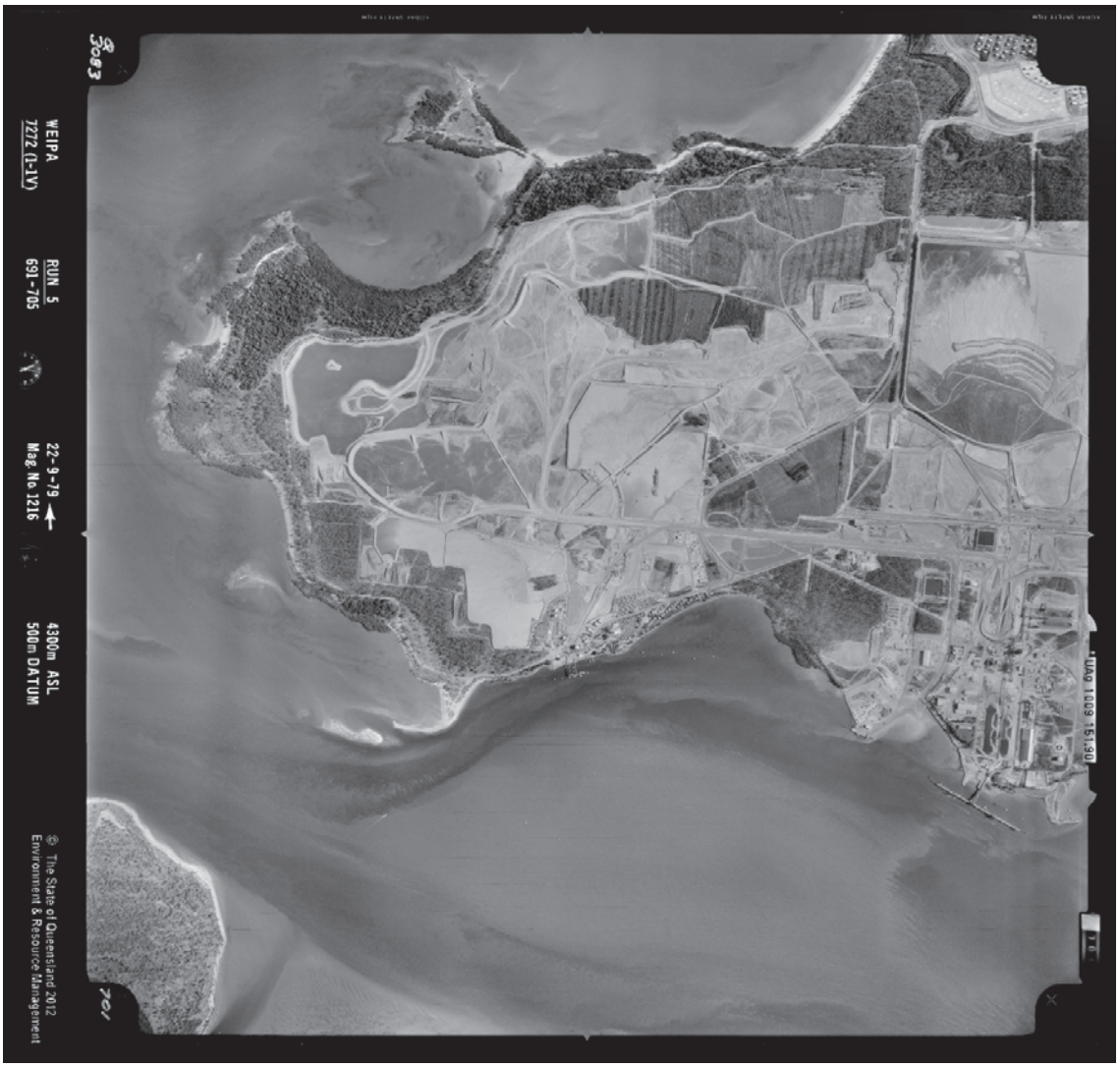


Plate 5: 1979 West Weipa Peninsula.

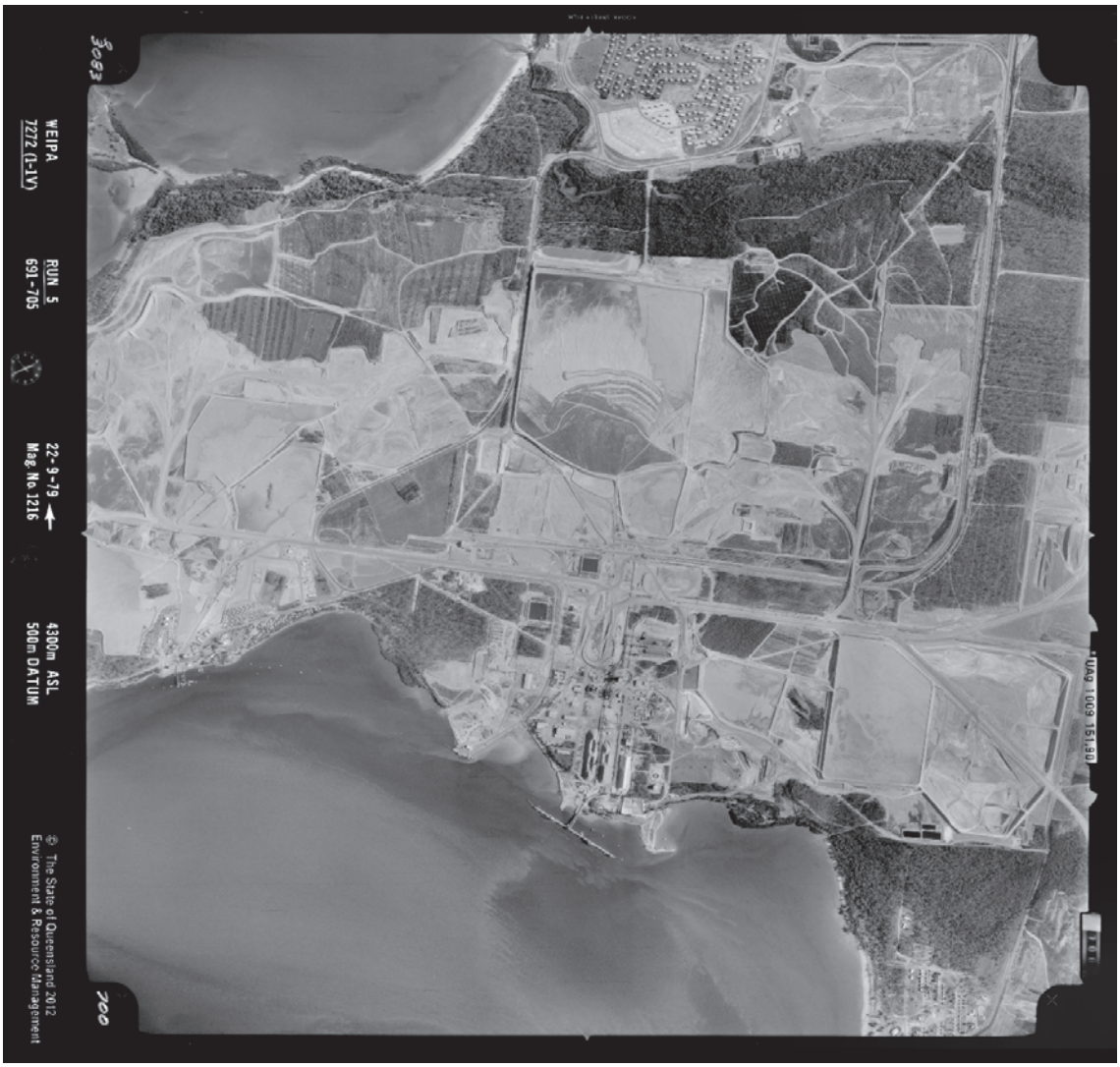


Plate 6: 1979 Weipa Peninsula including Evans Landing, Lorim Point and Nanum.

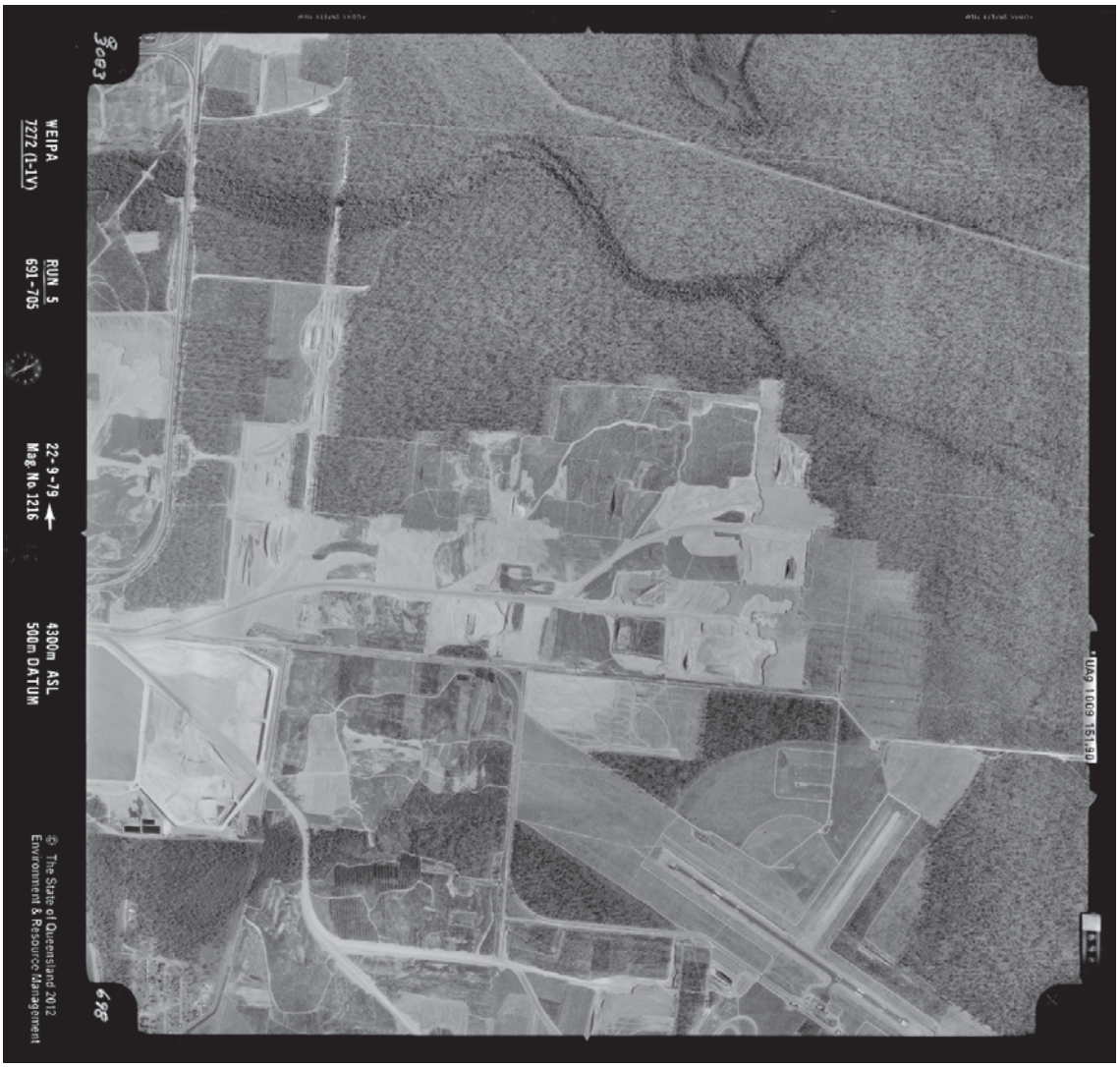


Plate 7: 1979 Weipa Peninsula west of Lorim Point and Weipa Airport



Plate 8: 1979 Weipa Peninsula including Napanum and Weipa Airport.

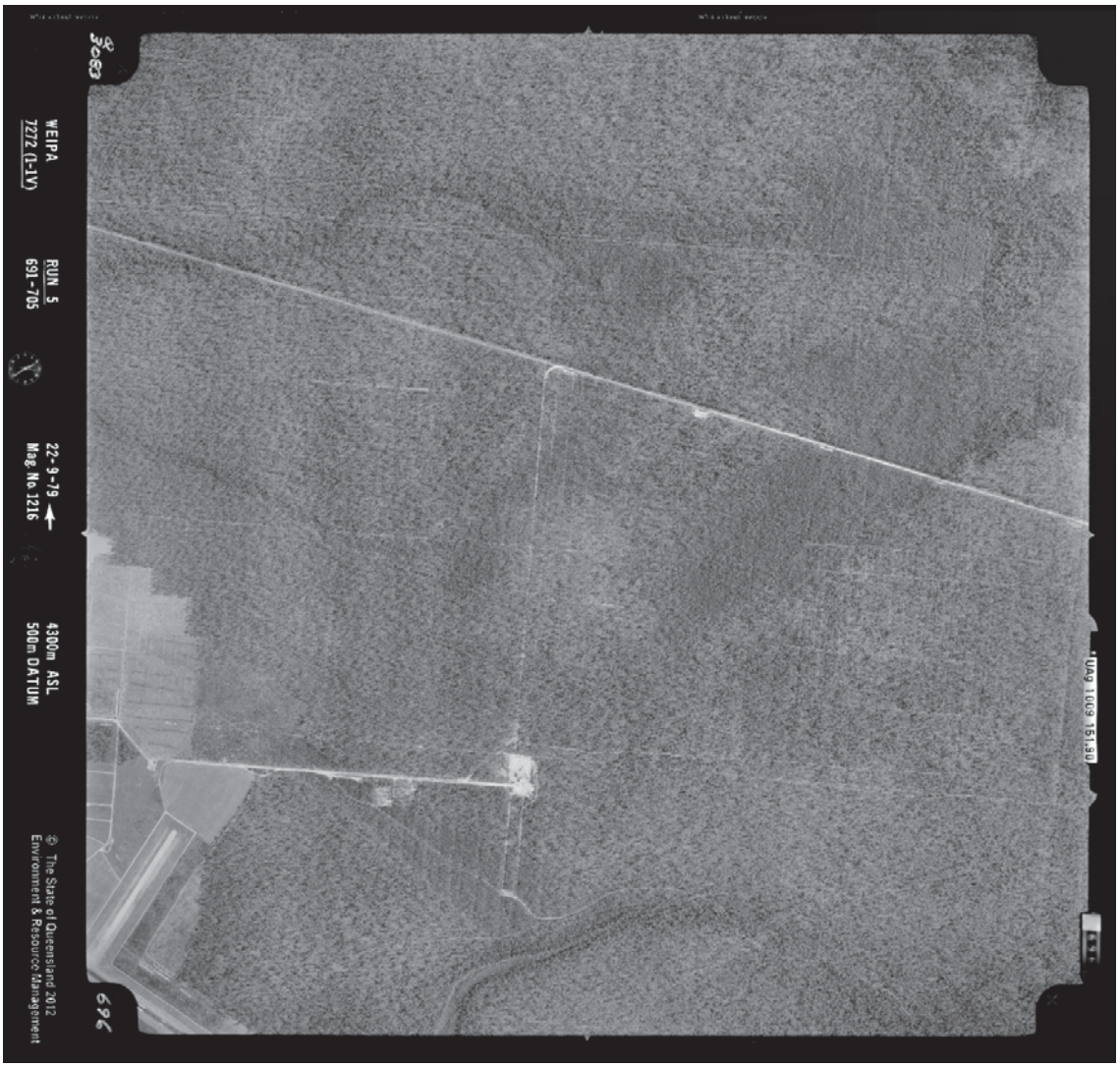


Plate 9: 1979 Weipa Peninsula West of Lorim Point and North of Weipa Airport.

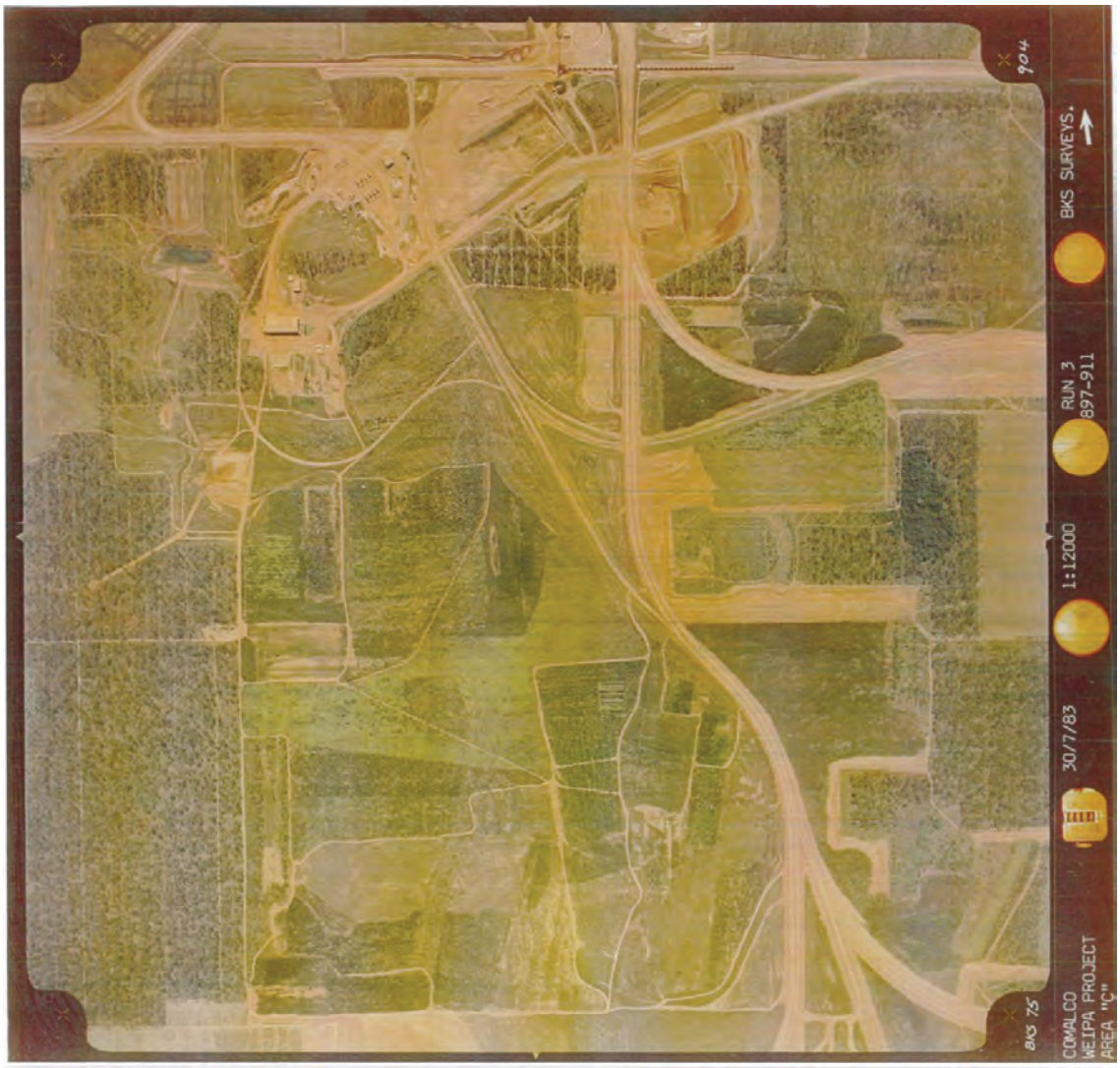


Plate 10: 1983 Andoom Area.



Plate 11: 1984 Andoom and Weipa Peninsula.

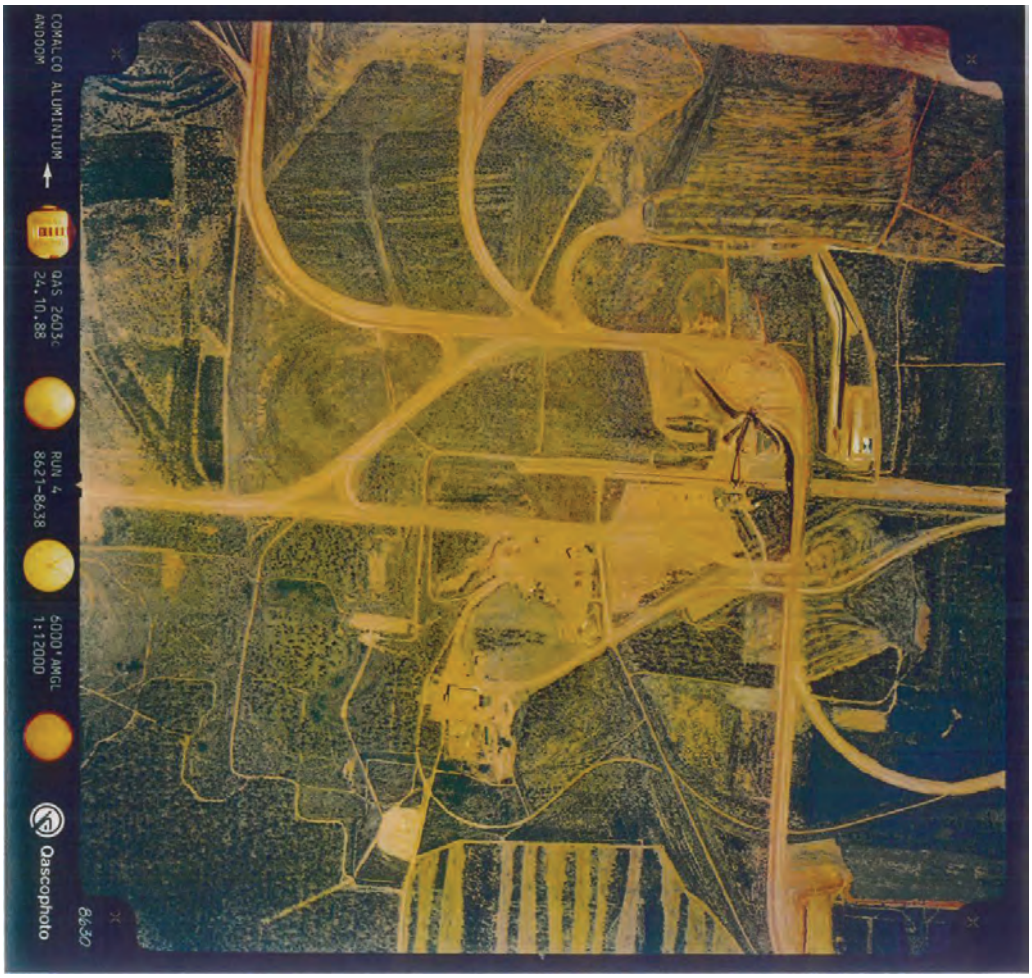


Plate 12: 1988 Andoom Area



Plate 13: 1989 South Andoom and North Weipa Peninsula.

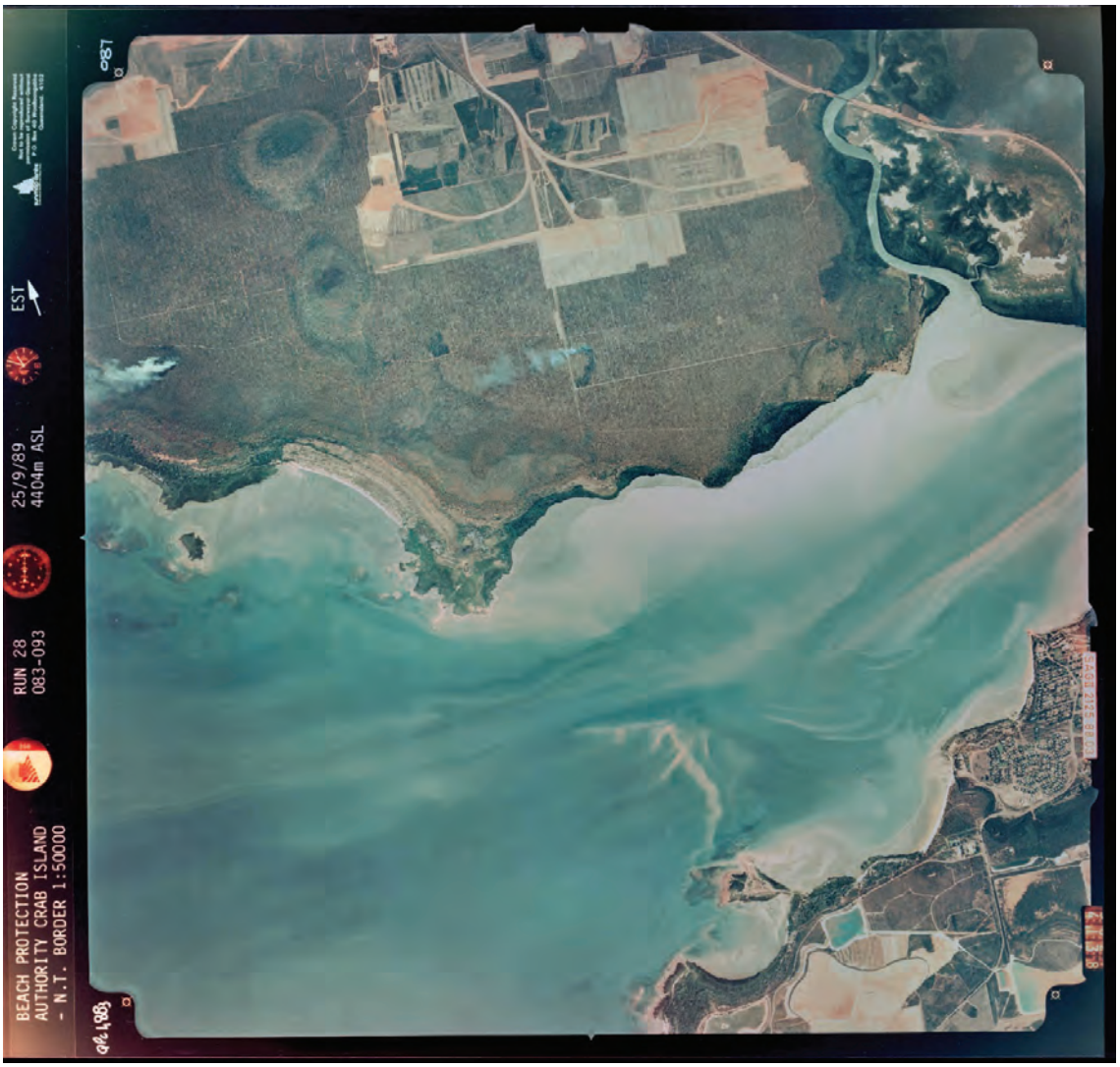


Plate 14: 1989 South Andoom and North Weipa Peninsula.

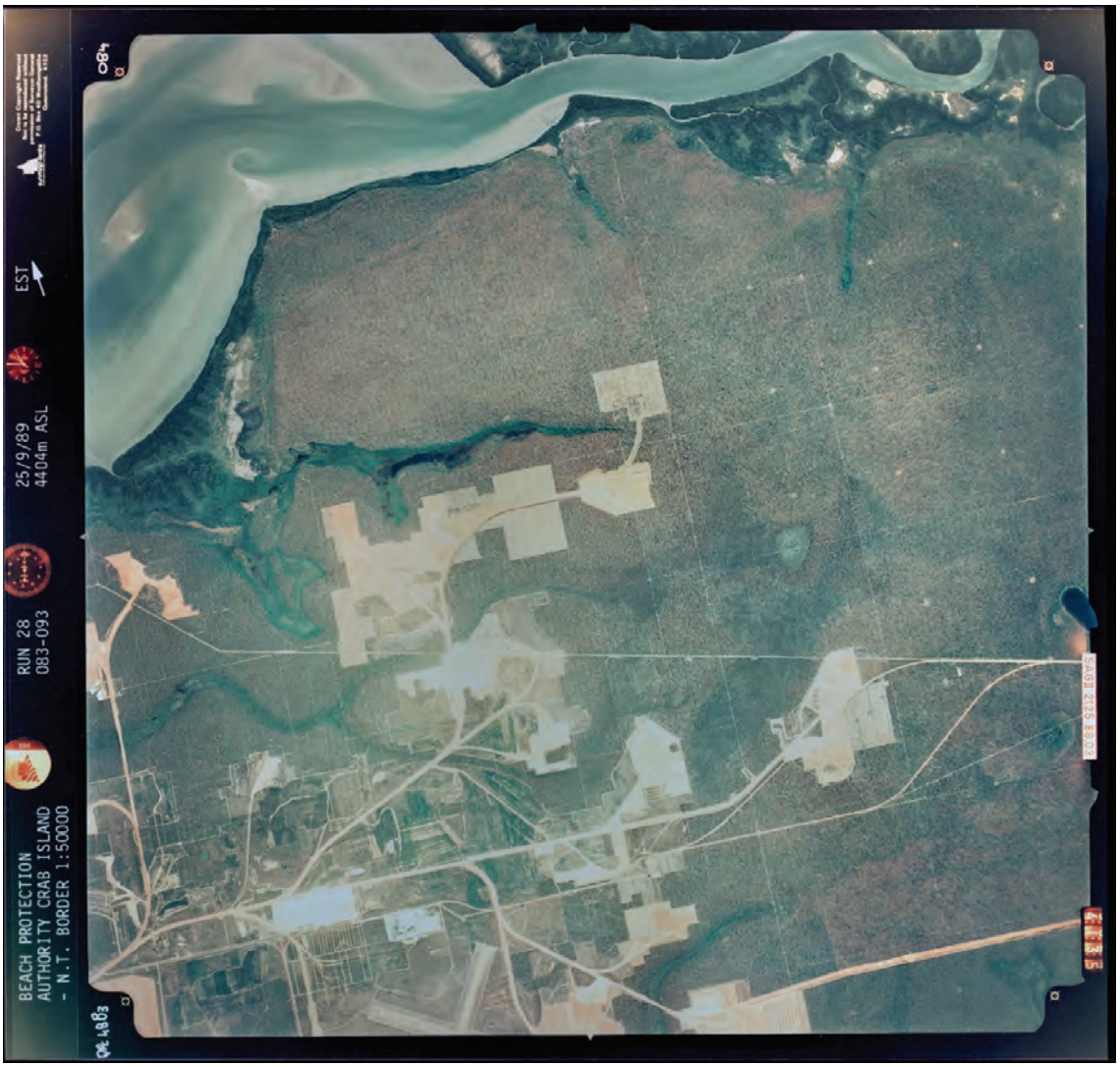


Plate 15: 1989 North East Weipa Peninsula.

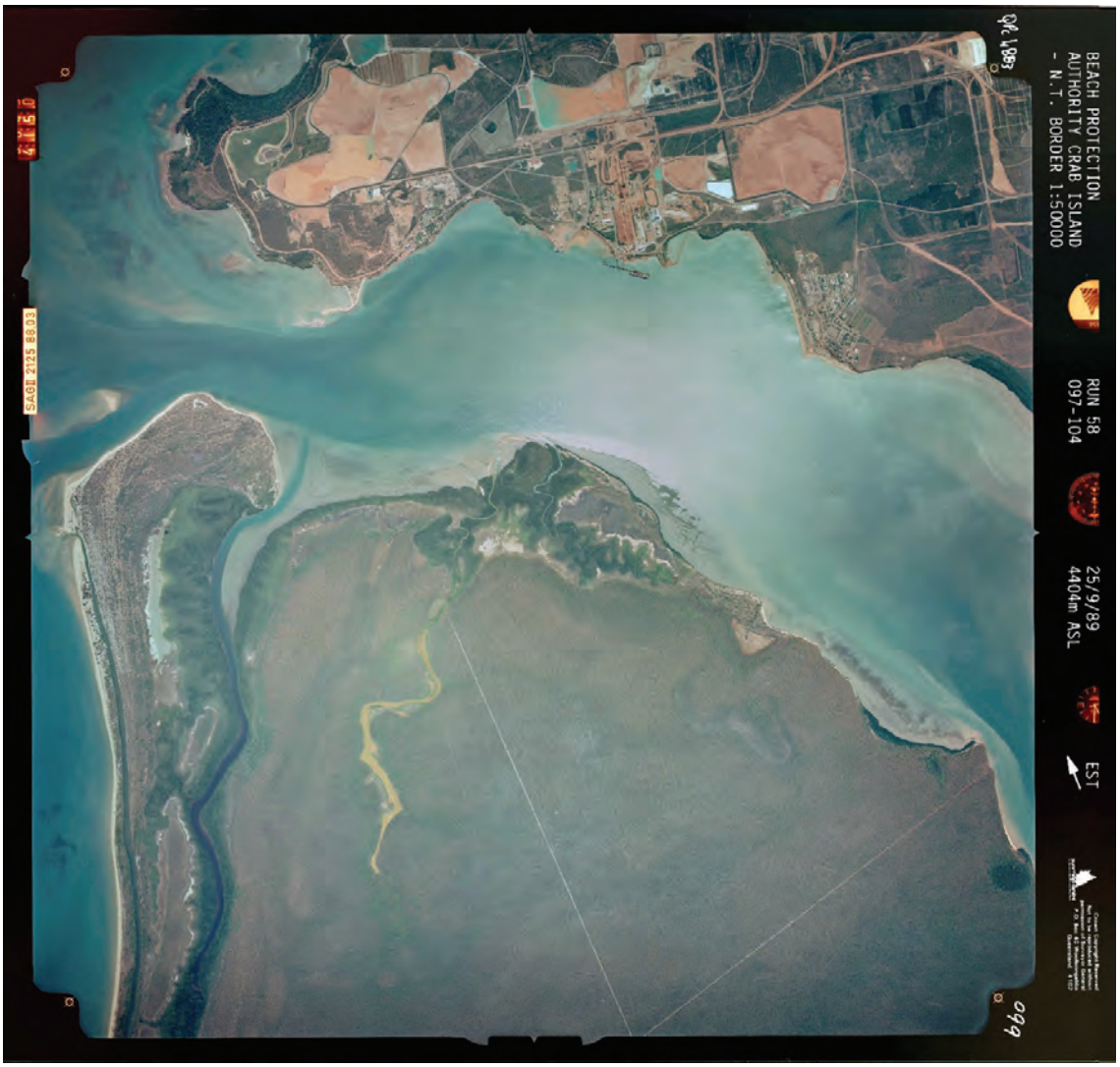


Plate 16: 1989 South Weipa Peninsula.



Plate 17: 1990 Andoom Area.



Plate 18: 1994 Weipa Penisula and Andoom Area.

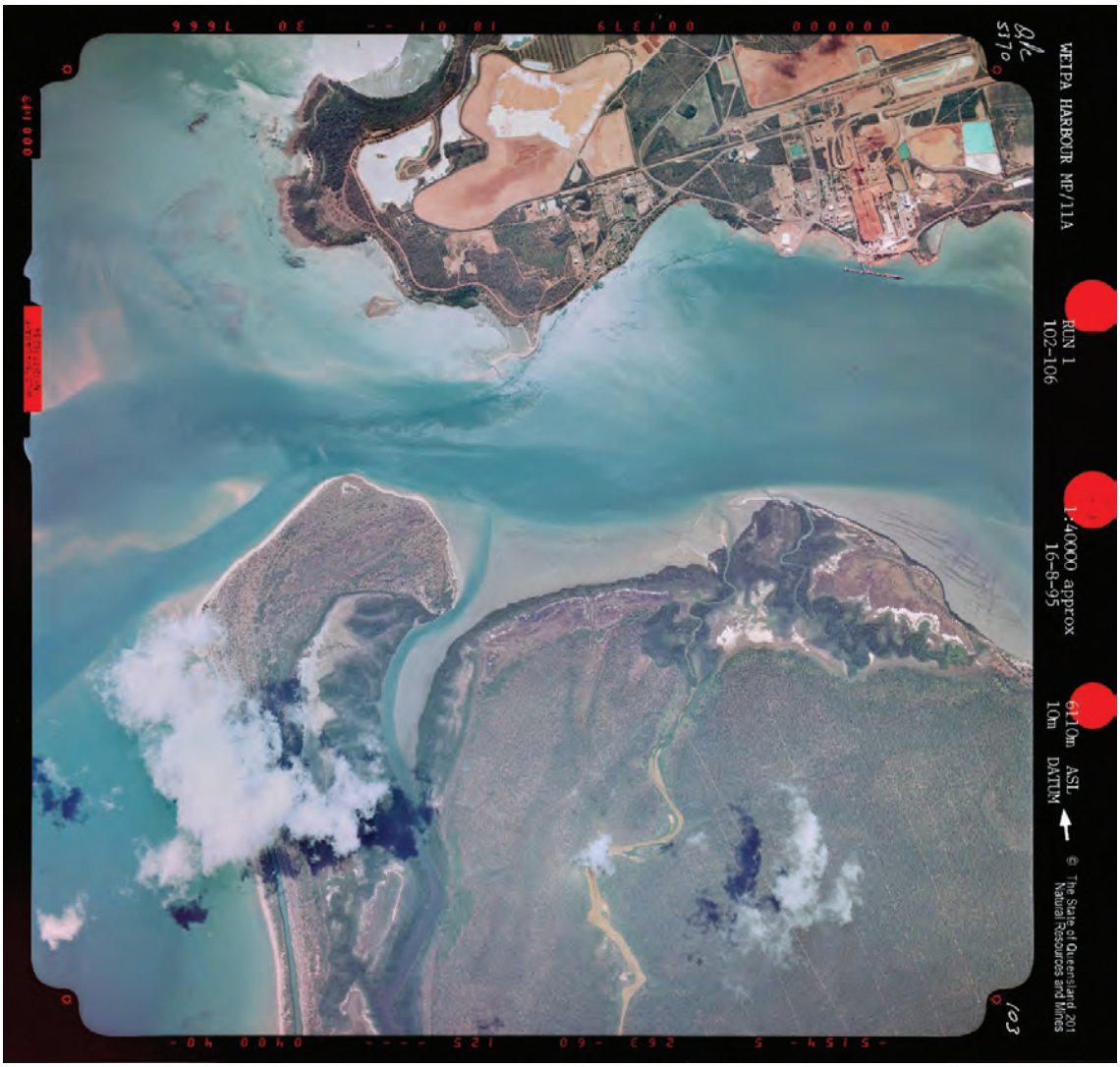


Plate 19: 1995 South Weipa Peninsula along Embley River.



Plate 20: 1995 South Weipa Peninsula along Embley River.

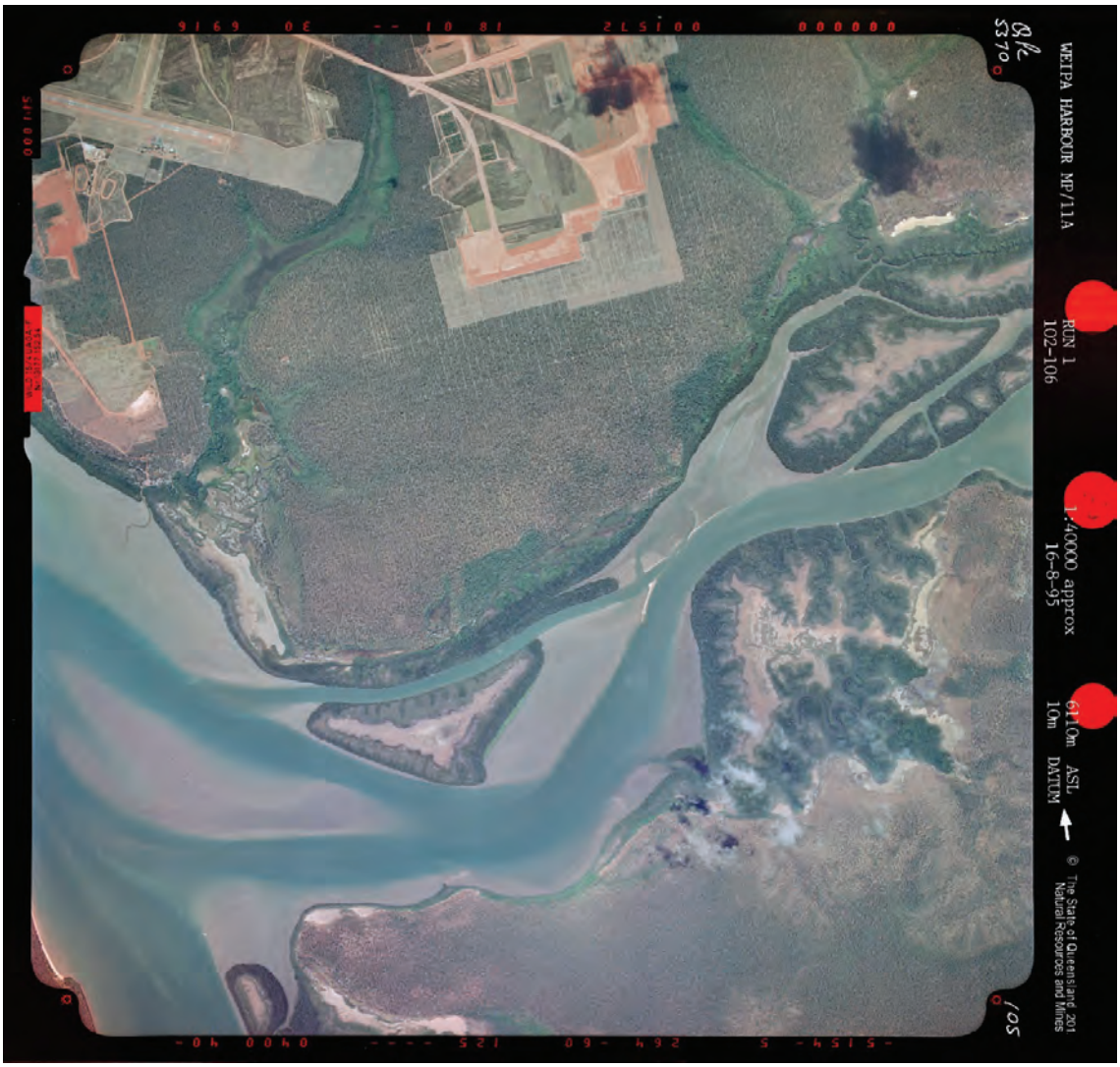


Plate 21: 1995 South Weipa Peninsula along Embley River.



Plate 22: 2004 Andoom and Weipa Peninsula.



Plate 23: 2014 Andoom and Weipa Peninsula.



Plate 24: 2016 Andoom and Weipa Peninsula.

APPENDIX B

Site Photographs



Plate 1: Aerial view of the East Weipa coastal plain with bauxite mining being undertaken by RTAW.



Plate 2: Solberg Defence Training Foam stored at the fire and rescue building in 3 drums of 20 litre capacity.



Plate 3 Solberg RF3 3% foam concentrate stored at the fire and rescue building in four drums of 20 litre capacity.



Plate 4: Solberg RF3 3% foam concentrate stored at fire and rescue building in one drum of 200 litre capacity. Solberg defence training foam noted in Plate 2 is to right of the 200 litre drum.



Plate 5: Fire training structures north of the Fire and Rescue building.



Plate 6: Fire trailer containing 1,000 L of AFFF stored at the Fire and Rescue Building, Lorim Point.



Plate 7: Weipa Airport Fuel Depot. An AFFF foam trolley is kept on standby adjacent to the refuelling equipment.



Plate 8: Fire suppression system with 106 litre cylinder fitted to heavy mobile equipment.



Plate 9: Storage of AFFF at East Weipa Heavy Equipment Workshop included one 20 litre drum of Solberg RF3 and one drum of CHUBB AFFF 3%.



Plate 10: East Weipa Heavy Equipment Workshop surrounded by spoon drains which discharge to four sediment pits, one located at the south west corner of AHEQ is displayed in the foreground of the photo.



Plate 11: East Weipa Heavy Equipment Workshop vehicle wash pad and oily water separator.



Plate 12: Two red 106 litre cylinders fitted to heavy mobile equipment (HME).



Plate 13: Water cart (HME) fitted with a water monitor. The system is designed for use with foam, but is not fitted with a permanent tank for AFFF.



Plate 14: Andoom Heavy Equipment Workshop surrounded by spoon drains which discharge to a sediment pit in the far left of the photo.



Plate 15: Andoom Heavy Equipment Workshop vehicle wash pad.



Plate 16: Two 106 litre cylinders within the roof of a railway locomotive.



Plate 17: Railway workshop oil water separator.

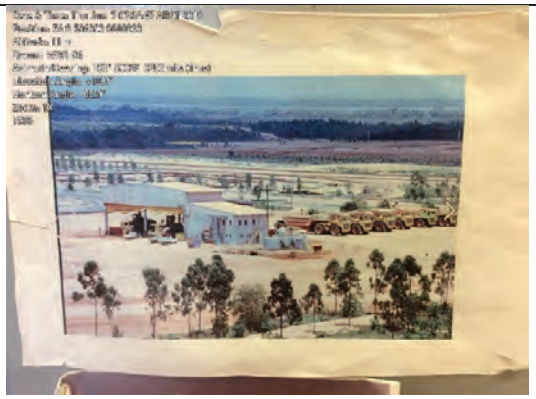


Plate 18: Civil workshop photographed circa 1988 when it was used for servicing and maintenance of heavy mobile equipment.



Plate 19: Evans Landing tank farm with AFFF stored in the small yellow shed.



Plate 20: Two sealed containers of Solberg RF3% of 20 litre capacity stored at Andoom Mine Centre for use by Fire and Rescue in the case of an emergency.



Plate 21: Potable Bore SA015.



Plate 22: Sampling via a tap at potable water bore SA027.



Plate 23: Andoom Potable Water Tank.



Plate 24: Lorim Point Potable Water Tank.



Plate 25: Town water dam.



Plate 26: Groundwater monitoring well LPI-MW-22 with a gatic cover.



Plate 27: Groundwater monitoring well BRP-MW-03 with a monument cover.



Plate 28: Purging of groundwater from well LPI-MW-22.



Plate 29: Surface water sampling location Mission River Creek Downstream (MRC/DOS)



Plate 30: Surface water sampling location at Beening Creek Downstream (SW/BEN/DOS).



Plate 31: Surface water sampling location EWHEQ wash pad downstream (PR/EWM/WP/DOS).

1.0 AFFF CONCENTRATE STORED ONSITE



Plate 1: 10L containers of CHUBB AFFF stored at AHEQ. Used in the fire suppression systems of trucks.

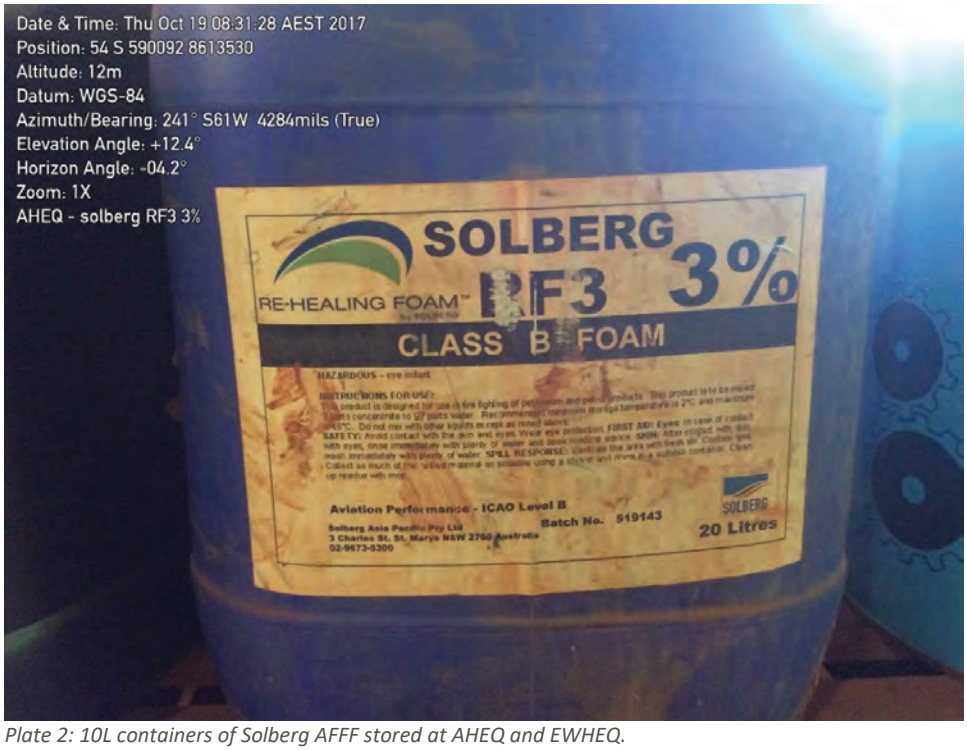


Plate 2: 10L containers of Solberg AFFF stored at AHEQ and EWHEQ.

2.0 WEIPA AIRPORT



Plate 3: Looking south east towards the runway across the surface water drain.



Plate 4: South east end of runway where the surface water drain exists the site.

3.0 FIRE AND RESCUE STATION



Plate 5: South of Fire and Rescue Station building looking west across an area of PFAS use being AFFF. Test pit FR-TP14 being excavated with a backhoe.



Plate 6: North of Fire and Rescue Station building looking east across an area of PFAS use being AFFF. Test pit FR-TP11 being excavated with a backhoe.



Plate 7: Surface water drain south west of Fire and Rescue Station Building.



Plate 8: Surface water drain north west of Fire and Rescue Station Building.



Plate 9: Sample location FR-SS10 from the unlined concrete hood structure pit used to decant fire extinguishers for training purposes.

4.0 EAST WEIPA HEAVY EQUIPMENT WORKSHOP



Plate 10: Sample location EWHEQ-SS16 taken adjacent to the spoon drain. Laydown area south of the EWHEQ in the background of the building.



Plate 11: Vehicle Wash Pad and Oil Water Separator in the top left of the photo.



Plate 12: Oil water separator discharge point and drain.



Plate 13: Drain 20m downgradient of oil water separator discharge point.

5.0 ANDOOM HEAVY EQUIPMENT WORKSHOP



Plate 14: Andoom Heavy Equipment Workshop looking north west.



Plate 15: Vehicle Wash Bay and location of oil water separator.

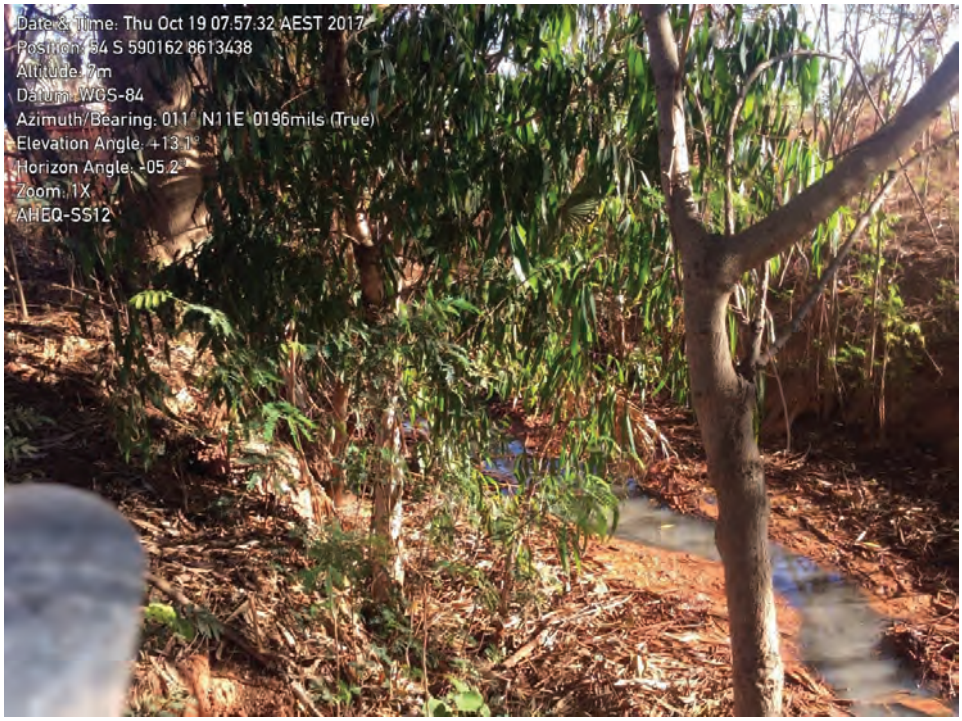


Plate 16: Drain which receives discharge oil water separator discharge.



Plate 17: The drain which historically received the discharge of the humiceptor which processed water from the workshop.



Plate 18: Workshop with concrete spoon drains along the perimeter.