



## FINDING AID

# **AERIAL PHOTOGRAPH COLLECTION**

## **1953-2004, UNDATED**

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National Park Service

HALE 9099

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## ***COPYRIGHT AND RESTRICTIONS***

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## ***HISTORY***

Haleakalā National Park was established as a section of Hawaii National Park by Congress under the authority of the Antiquities Act in 1916. In the early 1930s, increased visitation to the Haleakalā Section necessitated the establishment of a road to the summit. Built in such a way that the crater would remain hidden until vehicles reached the top, the road was officially opened in 1935. At this time, the first full-time park ranger was assigned to the Haleakalā Section of the park. In 1933, under the authority of the Emergency Conservation Work Act, President Franklin D. Roosevelt established the Civilian Conservation Corps (CCC) in order to give young men jobs and a source of income during the Great Depression. From 1934 to 1941, the CCC operated camps at Haleakalā. They completed natural resource conservation projects and toiled to improve public works throughout the park. From 1941 to 1946, in response to World War II, Haleakalā was used by the military. An army base camp was built near Pu'ūniauniau and various radar systems were installed at the summit. Most of the military buildings and installations have since been removed, but some are still used by park staff to this day. From 1956 to 1966, a ten-year development project known as Mission 66 enabled the improvement and construction of infrastructure in national parks across the country. Under this program, Haleakalā National Park was able to construct both a new park headquarters in 1958 and the Red Hill Observatory in 1963. In 1961, Hawaii National Park was separated into Hawai'i Volcanoes National Park and Haleakalā National Park. But that's not the only change Haleakalā has seen in terms of land mass. The park has grown in acreage multiple times since then, adding Kīpahulu District, Nu'u, and Denman land parcels to name a few. The Kīpahulu District is located on the southeastern side of Haleakalā along the coast. This area is an important moku in East Maui for being a site of great battles between the chiefs of Maui and the chiefs of Hawai'i Island and for the large Hawaiian population that thrived prior to western contact. The area supported traditional Hawaiian farming of kalo and 'uala (sweet potato). Fishing was also an important part of the area because of the abundance of marine resources. Ko'a (fishing shrines) were constructed to mark fertile fishing areas. The Kanekauila heiau (temple) that is partially on NPS lands, aligns to Mo'okini heiau on Hawai'i island. It is thought to be a navigational guide across Alenuihāhā Channel. The area is also known as the home of the god Laka, who is worshipped by canoe makers. Kīpahulu District was also home to early Hawaiian homesteads established as a result of the Mahele. Starting in 1880s, sugarcane production became prominent throughout the Kīpahulu District, which brought a diverse range of immigrants to the area. When sugarcane production stopped in the 1920s, ranching became the dominant industry until the 1960s. In 1969, sections of Kīpahulu were added to Haleakalā National Park. Later in 1999 the Ka'āpahu and Puhilele lands were also added to the park. Nu'u is located on the southern side of Haleakalā. Between the 1400 AD-1600 AD the Nu'u ahupua'a located within Kaupō Moku on the eastern side of Haleakalā, was a center of activity on Maui and a well-populated place. The area was famous for its sweet potatoes and taro production thanks to the rich volcanic soil. In the 1700s, King Kekaulike, the mō'ī (king) of Maui, resided in the area and was said to have farmed and fished there. His son was later born at Nu'u. The area continued to thrive up until the 1800s. The population began to decline due to the introduction of Western diseases as well and the movement of population centers to Lāhaina and Honolulu. The area was home to an ancient loko (fishpond), a landing at Nu'u Bay, an ancient heiau, a Protestant school and church, and a Catholic church. The community relied largely on farming sweet potatoes, fishing, and salt gathering, and later cattle ranching into the mid-20th Century. In 1848, 12,140 acres, or the entire ahupua'a of Nu'u was awarded to Kaleimoku, a lesser chief descended from Kekaulike, during the Mahele. By the end of the 19th century, James Campbell acquired half of Nu'u Ahupua'a from Queen Kapi'olani. NPS acquired the NPS parcel from the Campbell

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Trust in 2008. The Denman Parcel in the park's southern section is a 17-acre parcel within Naholokū Ahupua‘a in Kaupō Moku. The parcel was part of a much larger Native Hawaiian cultural landscape, which included sweet potato terraces, house sites and small heiau (temples), and is referenced in stories of Maui ali‘i (chiefs). The parcel may have been home to a Catholic school and church in the early historical era and was later granted to Helio Punihēle in 1889. The land then passed to the Marciel family in the early 20th century and was used as a cattle ranch within the larger Kaupo Ranch. The land was sold to Gilbert M. Denman in 1958. Denman worked with Haleakalā National Park to sell the parcel to the NPS upon his death in 2004.

**SCOPE AND CONTENT****AERIAL PHOTOGRAPH COLLECTION**

<i>1953-2004, UNDATED</i>	
<b>CATALOG NUMBER</b>	<i>HALE 9099</i>
<b>ACCESSION NUMBER</b>	<i>HALE-00082</i>
<b>VOLUME</b>	<i>__2.5 __LF</i>
<b>DESCRIPTION</b>	<i>This collection contains aerial photographs pertaining to Haleakalā National Park. Materials include black-and-white and color photographs. Photographs detail natural and cultural resources and land use at Haleakalā National Park and tell the story of the park since its inception. The collection dates from 1953 to 2004. Some of the material is undated. The bulk of the material dates from 1965 to 1993.</i>
<b>ORGANIZATION</b>	<i>The collection is arranged into eleven series based on photographer: Series 01: Air Survey Hawai'i, Series 02: EKN, Series 03: GS-VEED, Series 04: GSMF, Series 05: GSXE, Series 06: MRPS, Series 07: NASA, Series 08: NPS Airphoto, Series 09: R.M. Towill Corporation, Series 10: URS Co., and Series 11: Unknown Kīpahulu Survey. All series are arranged numerically by flight line. File unit numbers denote the location of materials and are assigned BOX.FOLDER.</i>
<b>PROVENANCE</b>	<i>The materials in this collection were created by Hawaii National Park (pre-1961) and Haleakalā National Park (1961 to the present).</i>
<b>ASSOCIATED MATERIALS</b>	<b><i>PH 01 Historic Photograph collection __PH 03 Haleakalā National Park Photograph collection</i></b>

***HIERARCHY***

01. AIR SURVEY HAWAII
02. EKN
03. GS-VEED
04. GSMF
05. GSXE
06. MRPS
07. NASA
08. NPS AIRPHOTO
09. R.M. TOWILL CORPORATION
10. URS CO.
11. UNKNOWN KĪPAHULU SURVEY

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## ***SERIES DESCRIPTIONS***

### ***01. AIR SURVEY HAWAI'I***

This series is organized numerically by flight line.

This series contains aerial photographs taken by Air Survey Hawai'i at Haleakalā National Park.

### ***02. EKN***

This series is organized numerically by flight line.

This series contains aerial photographs taken by EKN at Haleakalā National Park.

### ***03. GS-VEED***

This series is organized numerically by flight line.

This series contains aerial photographs taken by GS-VEED at Haleakalā National Park.

### ***04. GSMF***

This series is organized numerically by flight line.

This series contains aerial photographs taken by GSMF at Haleakalā National Park.

### ***05. GSXE***

This series is organized numerically by flight line.

This series contains aerial photographs taken by GSXE at Haleakalā National Park.

### ***06. MRPS***

This series is organized numerically by flight line.

This series contains aerial photographs taken by MRPS at Haleakalā National Park.

### ***07. NASA***

This series is organized numerically by flight line.

This series contains aerial photographs taken by NASA at Haleakalā National Park.

### ***08. NPS AIRPHOTO***



This series is organized numerically by flight line.

This series contains aerial photographs taken by NPS Airphoto at Haleakalā National Park.

*09. R.M. TOWILL CORPORATION*

This series is organized numerically by flight line.

This series contains aerial photographs taken by R.M. Towhill Corporation at Haleakalā National Park.

*10. URS CO.*

This series is organized numerically by flight line.

This series contains aerial photographs taken by URS Co. at Haleakalā National Park.

*11. UNKNOWN KĪPAHULU SURVEY*

This series is organized numerically by flight line.

This series contains aerial photographs taken by an unknown source at the Kīpahulu District of Haleakalā National Park.

## ***FILE UNIT DESCRIPTIONS***

### ***01. AIR SURVEY HAWAI'I***

#### **01.01 AIR SURVEY HAWAI'I - FLIGHT LINE 1, 1992**

This file unit contains aerial photographs of flight line 1 (Lindbergh's Grave, Kukui Bay, 'Ohe'o, Kanekauila) taken by Air Survey Hawai'i at Haleakalā National Park.

#### **01.02 AIR SURVEY HAWAI'I - FLIGHT LINE 2, 1992**

This file unit contains aerial photographs of flight line 2 (Kīpahulu Community, 143, Kapahu Farm, Pua'a Lu'u) taken by Air Survey Hawai'i at Haleakalā National Park.

#### **01.03 AIR SURVEY HAWAI'I - FLIGHT LINE 3, 1993**

This file unit contains aerial photographs of flight line 3 (Kalepa, Lelekea Bay, Kaukauai, Upper Pastures, Pīpīwai, 3 Sisters, Upper Kaumakani Pastures) taken by Air Survey Hawai'i at Haleakalā National Park.

#### **01.04 AIR SURVEY HAWAI'I - FLIGHT LINE 4, 1993**

This file unit contains aerial photographs of flight line 4 (Upper Lelekea, Kaukauai, Upper Dam, Waimoku, 3 Sisters, Pua'alu'u) taken by Air Survey Hawai'i at Haleakalā National Park.

#### **01.05 AIR SURVEY HAWAI'I - FLIGHT LINE 5, 1993**

This file unit contains aerial photographs of flight line 5 (Kapahu, Kaukauai, Palikea PK, Stream, Kaumakani) taken by Air Survey Hawai'i at Haleakalā National Park.

#### **01.06 AIR SURVEY HAWAI'I - FLIGHT LINE 6, 1993**

This file unit contains aerial photographs of flight line 6 (Lower Kīpahulu, Gauging Station, Mid, Kaumakani) taken by Air Survey Hawai'i at Haleakalā National Park.

#### **01.07 AIR SURVEY HAWAI'I - FLIGHT LINE 7, 1993**

This file unit contains aerial photographs of flight line 7 (Upper Kapahu, Dogleg, Upper Kaumakani, Waihoi) taken by Air Survey Hawai'i at Haleakalā National Park.

#### **01.08 AIR SURVEY HAWAI'I - FLIGHT LINE 8, 1993**

This file unit contains aerial photographs of flight line 8 (Kaupō Ranch, Manawainui, Upper Kapahu, The Nature Conservancy Parcel, Mid Kīpahulu Valley, Waihoi) taken by Air Survey Hawai'i at Haleakalā National Park.

**01.09 AIR SURVEY HAWAI'I - FLIGHT LINE 9, 1992-1993**

This file unit contains aerial photographs of flight line 9 (Kaupō Ranch/Gap, Kaupō Fence, Healani Stream, Central Manawainui, Kīpahulu Valley, Palikeya Stream, Charlie's Nose) taken by Air Survey Hawai'i at Haleakalā National Park.

**01.10 AIR SURVEY HAWAI'I - FLIGHT LINE 10, 1993**

This file unit contains aerial photographs of flight line 10 (Central Nu'u, Lower Kaupō, Central Manawainui, Upper Central Kīpahulu Valley) taken by Air Survey Hawai'i at Haleakalā National Park.

**01.11 AIR SURVEY HAWAI'I - FLIGHT LINE 11, 1992**

This file unit contains aerial photographs of flight line 11 (Mid Nu'u, Mid Kaupō Gap, Kuiki, Upper Kīpahulu Valley, Greensword Bog) taken by Air Survey Hawai'i at Haleakalā National Park.

**01.12 AIR SURVEY HAWAI'I - FLIGHT LINE 12, 1992**

This file unit contains aerial photographs of flight line 12 (Upper Nu'u, Upper Kaupō Gap, Palikū Pastures, Kuiki, Upper Kīpahulu) taken by Air Survey Hawai'i at Haleakalā National Park.

**01.13 AIR SURVEY HAWAI'I - FLIGHT LINE 13, 1992**

This file unit contains aerial photographs of flight line 13 (Upper Campbell Estate, East South Rin Fence, Haleakalā Park, 'Ōili Pu'u, Palikū, Wainēnē, Mauka Ridge, Lakes) taken by Air Survey Hawai'i at Haleakalā National Park.

**01.14 AIR SURVEY HAWAI'I - FLIGHT LINE 14, 1992**

This file unit contains aerial photographs of flight line 14 (Notch, South Rim, Kapalaoa, Pu'u Maile, 'Ōili Pu'u, Lā'ie Pu'u, Kaluaiki, Kaluanui) taken by Air Survey Hawai'i at Haleakalā National Park.

**01.15 AIR SURVEY HAWAI'I - FLIGHT LINE 15, 1992**

This file unit contains aerial photographs of flight line 15 (Kumuiliahi, Notch, Kapalaoa, Pu'u Kauaia, Honokahua, Laie Cave, upper Lau'ulu Trail, North Slope Fence) taken by Air Survey Hawai'i at Haleakalā National Park.

**01.16 AIR SURVEY HAWAI'I - FLIGHT LINE 16, 1992**

This file unit contains aerial photographs of flight line 16 (Haupa'akea, SST/Junction, Ka Moa o Pele, Naue, Mauna Hina, Crystal Cave and Trail, North Slope Fence, Ball Park) taken by Air Survey Hawai'i at Haleakalā National Park.

**01.17 AIR SURVEY HAWAI'I - FLIGHT LINE 17, 1992**

This file unit contains aerial photographs of flight line 17 (West South Slope, Pu'u o Pele, Pu'u o Maui, Halali'i, Pu'u Mamane, Pu'u Kumu, Hanakauhi Peak, North Slope Fence, Edge of Rainforest) taken by Air Survey Hawai'i at Haleakalā National Park.

**01.18 AIR SURVEY HAWAI'I - FLIGHT LINE 18, 1992**

This file unit contains aerial photographs of flight line 18 (South Slope, Split Rock, Kamoali'i, Silversword Loop, Central Ko'olau Gap, Upper Waikau, Rainforest of East Ko'olau) taken by Air Survey Hawai'i at Haleakalā National Park.

**02.01 AIR SURVEY HAWAI'I - FLIGHT LINE 19, 1992-1993**

This file unit contains aerial photographs of flight line 19 (Science City, West Kalua o Ka 'O'o, Holua, East to Waikau) taken by Air Survey Hawai'i at Haleakalā National Park.

**02.02 AIR SURVEY HAWAI'I - FLIGHT LINE 20, 1992-1993**

This file unit contains aerial photographs of flight line 20 (Skyline West Crater Rim, Halemau'u Switchbacks, Inside West Rim, Holua, West Ko'olau Gap) taken by Air Survey Hawai'i at Haleakalā National Park.

**02.03 AIR SURVEY HAWAI'I - FLIGHT LINE 21, 1992-1993**

This file unit contains aerial photographs of flight line 21 (West Slope, 8800 Bend, Leleiwi, Halemau'u Switchbacks, Ainahou) taken by Air Survey Hawai'i at Haleakalā National Park.

**02.04 AIR SURVEY HAWAI'I - FLIGHT LINE 22, 1992**

This file unit contains aerial photographs of flight line 22 (West Slope, Eucalyptus Gulch, 7700 Bend, Rain Catchment, North Slope Fence) taken by Air Survey Hawai'i at Haleakalā National Park.

**02.05 AIR SURVEY HAWAI'I - FLIGHT LINE 23, 1992**

This file unit contains aerial photographs of flight line 23 (Eucalyptus Groves/Hunter Cabin, West Slope Fence, Pu'u 'O'ili, Headquarters, Hosmer Grove, Pine Forest) taken by Air Survey Hawai'i at Haleakalā National Park.

**02.06 AIR SURVEY HAWAI'I - FLIGHT LINE 24, 1992**

This file unit contains aerial photographs of flight line 24 (Hunter Cabin, Pu'u Niauniau, Pine Forest) taken by Air Survey Hawai'i at Haleakalā National Park.

- 02.07 EKN - FLIGHT LINE 2CC, 1965 [1/2]**  
This file unit contains aerial photographs of flight line 2CC taken by EKN at Haleakalā National Park.
- 02.08 EKN - FLIGHT LINE 3CC, 1965 [1/2]**  
This file unit contains aerial photographs of flight line 3CC taken by EKN at Haleakalā National Park.
- 02.09 EKN - FLIGHT LINE 4CC, 1966 [1/3]**  
This file unit contains aerial photographs of flight line 4CC taken by EKN at Haleakalā National Park.
- 05.01 EKN - FLIGHT LINE 1CC, 1965**  
This file unit contains aerial photographs of flight line 1CC taken by EKN at Haleakalā National Park.
- 05.02 EKN - FLIGHT LINE 2CC, 1965 [2/2]**  
This file unit contains aerial photographs of flight line 2CC taken by EKN at Haleakalā National Park.
- 05.03 EKN - FLIGHT LINE 3CC, 1965 [2/2]**  
This file unit contains aerial photographs of flight line 3CC taken by EKN at Haleakalā National Park.
- 05.04 EKN - FLIGHT LINE 4CC, 1966 [2/3]**  
This file unit contains aerial photographs of flight line 4CC taken by EKN at Haleakalā National Park.
- 06.01 EKN - FLIGHT LINE 4CC, 1966 [3/3]**  
This file unit contains aerial photographs of flight line 4CC taken by EKN at Haleakalā National Park.

*03. GS-VEED*

- 02.10 GS-VEED - FLIGHT LINE 3, 1976**  
This file unit contains aerial photographs of flight line 3 taken by GS-VEED at Haleakalā National Park.
- 02.11 GS-VEED - FLIGHT LINE 6, 1977**  
This file unit contains aerial photographs of flight line 6 taken by GS-VEED at Haleakalā National Park.
- 02.12 GS-VEED - FLIGHT LINE 7, 1977**  
This file unit contains aerial photographs of flight line 7 taken by GS-VEED at Haleakalā National Park.

**02.13 GS-VEED - FLIGHT LINE 10, 1978**

This file unit contains aerial photographs of flight line 10 taken by GS-VEED at Haleakalā National Park.

*04. GSMF***02.14 GSMF - FLIGHT LINE 4, UNDATED**

This file unit contains aerial photographs of flight line 4 taken by GSMF at Haleakalā National Park.

**02.15 GSMF - FLIGHT LINE 5, UNDATED**

This file unit contains aerial photographs of flight line 5 taken by GSMF at Haleakalā National Park.

**03.01 GSMF - FLIGHT LINE M-8, UNDATED [1/2]**

This file unit contains aerial photographs of flight line M-8 (Ko‘olau, Crater District) taken by GSMF at Haleakalā National Park.

**03.02 GSMF - FLIGHT LINE M-9, UNDATED**

This file unit contains aerial photographs of flight line M-9 taken by GSMF at Haleakalā National Park.

**06.02 GSMF - FLIGHT LINE M-8, UNDATED [2/2]**

This file unit contains aerial photographs of flight line M-8 (Ko‘olau, Crater District) taken by GSMF at Haleakalā National Park.

*05. GSXE***03.03 GSXE - FLIGHT LINE 3, 1953**

This file unit contains aerial photographs of flight line 3 taken by GSXE at Haleakalā National Park.

*06. MRPS***03.04 MRPS, UNDATED**

This file unit contains aerial photographs taken by MRPS at Haleakalā National Park.

*07. NASA***03.05 NASA, 1975, UNDATED [1/2]**

This file unit contains aerial photographs taken by NASA at Haleakalā National Park.

**05.05 NASA, 1975, UNDATED [2/2]**

This file unit contains aerial photographs taken by NASA at Haleakalā National Park.

*08. NPS AIRPHOTO***03.06 NPS AIRPHOTO, 1975**

This file unit contains aerial photographs taken by NPS Airphoto at Haleakalā National Park.

*09. R.M. TOWILL CORPORATION***03.07 R.M. TOWILL CORPORATION - FLIGHT LINE 1, 1970**

This file unit contains aerial photographs of flight line 1 (Crater Road to Hosmer and Haleakala Ranch Land) taken by R.M. Towill Corporation at Haleakalā National Park.

**03.08 R.M. TOWILL CORPORATION - FLIGHT LINE 2, 1970**

This file unit contains aerial photographs of flight line 2 (Crater Road to Stone Building to Hosmer to Ko‘olau Peak) taken by R.M. Towill Corporation at Haleakalā National Park.

**03.09 R.M. TOWILL CORPORATION - FLIGHT LINE 3, 1970**

This file unit contains aerial photographs of flight line 3 (Headquarters to Halemau‘u Switchbacks) taken by R.M. Towill Corporation at Haleakalā National Park.

**03.10 R.M. TOWILL CORPORATION - FLIGHT LINE 4, 1970**

This file unit contains aerial photographs of flight line 4 (Crater Road to Halemau‘u Switchbacks) taken by R.M. Towill Corporation at Haleakalā National Park.

**04.01 R.M. TOWILL CORPORATION - FLIGHT LINE 5, 1970**

This file unit contains aerial photographs of flight line 5 (Crater Road over Hōlua Cabin) taken by R.M. Towill Corporation at Haleakalā National Park.

**04.02 R.M. TOWILL CORPORATION - FLIGHT LINE 6, 1970**

This file unit contains aerial photographs of flight line 6 (Crater Road over Hōlua Cabin) taken by R.M. Towill Corporation at Haleakalā National Park.

**04.03 R.M. TOWILL CORPORATION - FLIGHT LINE 7, 1970**

This file unit contains aerial photographs of flight line 7 (Science City, Haleakalā Visitor Center, Sliding Sands, Crater Road) taken by R.M. Towill Corporation at Haleakalā National Park.

*10. URS CO.***04.04 URS CO. - FLIGHT LINE 1, 1978**

This file unit contains aerial photographs of flight line 1 taken by URS Co. at the Kīpahulu District of Haleakalā National Park.

**04.05 URS CO. - FLIGHT LINE 2, 1978**

This file unit contains aerial photographs of flight line 2 taken by URS Co. at the Kīpahulu District of Haleakalā National Park.

**04.06 URS CO. - FLIGHT LINE 3, 1978**

This file unit contains aerial photographs of flight line 3 taken by URS Co. at the Kīpahulu District of Haleakalā National Park.

**04.07 URS CO. - FLIGHT LINE 4, 1978**

This file unit contains aerial photographs of flight line 4 taken by URS Co. at the Kīpahulu District of Haleakalā National Park.

*11. UNKNOWN KĪPAHULU SURVEY***04.08 UNKNOWN KĪPAHULU SURVEY - FLIGHT LINE 3, 2004**

This file unit contains aerial photographs of flight line 3 taken by an unknown source at the Kīpahulu District of Haleakalā National Park.

**04.09 UNKNOWN KĪPAHULU SURVEY - FLIGHT LINE 4, 2004**

This file unit contains aerial photographs of flight line 4 taken by an unknown source at the Kīpahulu District of Haleakalā National Park.

**04.10 UNKNOWN KĪPAHULU SURVEY - FLIGHT LINE 5, 2004**

This file unit contains aerial photographs of flight line 5 taken by an unknown source at the Kīpahulu District of Haleakalā National Park.

**04.11 UNKNOWN KĪPAHULU SURVEY - FLIGHT LINE 6, 2004**

This file unit contains aerial photographs of flight line 6 taken by an unknown source at the Kīpahulu District of Haleakalā National Park.

**04.12 UNKNOWN KĪPAHULU SURVEY - FLIGHT LINE 7, 2004**

This file unit contains aerial photographs of flight line 7 taken by an unknown source at the Kīpahulu District of Haleakalā National Park.

**04.13 UNKNOWN KĪPAHULU SURVEY - FLIGHT LINE 8, 2004**

This file unit contains aerial photographs of flight line 8 taken by an unknown source at the Kīpahulu District of Haleakalā National Park.



**04.14 UNKNOWN KĪPAHULU SURVEY - FLIGHT LINE 9, 2004**

This file unit contains aerial photographs of flight line 9 taken by an unknown source at the Kīpahulu District of Haleakalā National Park.

**04.15 UNKNOWN KĪPAHULU SURVEY - FLIGHT LINE 10, 2004**

This file unit contains aerial photographs of flight line 10 taken by an unknown source at the Kīpahulu District of Haleakalā National Park.

**04.16 UNKNOWN KĪPAHULU SURVEY - FLIGHT LINE 11, 2004**

This file unit contains aerial photographs of flight line 11 taken by an unknown source at the Kīpahulu District of Haleakalā National Park.