

Appendix B

Data Sheet Appendices

1. *Physical and Socioeconomic Factors*
(Criteria Nos. 1-3, 5-9, 17, 23, 25)
2. *Physical and Socioeconomic Factors*
(Criteria Nos. 10-11, 13-14, 16, 18-19, 24)
3. *Flora and Fauna Resources*
(Criteria No. 15)
4. *Archaeological and Historic Resources*
(Criteria No. 4)

Tab 8

1. Physical and Socioeconomic Factors

Criteria Nos. 1-3, 5-9, 17, 23, 25

SMS Data Collection for
Mayor's Advisory Committee on Landfill Site Selection
Department of Public Works
County of Kaua'i

March 2009

SMS Research conducted the evaluation of the following criteria:

1. Population density near the site
2. Distance to nearest residence, school, hospital or business
3. Displacement of residences and/or businesses
5. Cost of site acquisition
6. Ceded or Hawaiian Homestead Land
7. Site distance from major highway
8. Schools or hospitals along access road
9. Residential units or developments along access road
17. Wind direction relative to populated areas
23. Access to fire protection
25. Proximity to parks and recreational facilities

Supporting information on how the evaluation was undertaken is provided in the attached tables:

- **SMS Research Scoring and Explanation of Scoring**
This table was performed for the criteria indicated above.
- **SMS Research Scoring Comments**
This table was performed for the criteria indicated above.
- **SMS Site Value Calculations (Criteria 5)**
This table was performed for Criteria 5 Cost of Site Acquisition.

SMS Research Scoring and Explanation of Scoring

Mayor's Advisory Committee on Landfill Site Selection

County of Kauai

March 2009

Criterion #	1	2	3	5	6	7	8	9	17	23	25	
Site #	Site Name	Population density near the site	Distance to nearest residence, school, hospital or business	Displacement of residences and/or businesses	Cost of site acquisition	Ceded or Hawaiian homestead land	Site distance from major highway	Schools or hospitals along access road	Residential units or developments along access road	Wind direction relative to populated areas	Access to fire protection	Proximity to parks and recreational facilities
1	Kalepa	0	2	1	2	4	2	2	3	1	1	2
2	Umi	4	2	3	2	4	2	3	3	1	2	2
3	Pu'u O Papai	0	1	3	3	4	2	2	2	1	1	3
4	Kekaha-Mauka	4	1	3	3	0	3	3	3	3	1	2
5	Ma'alo	4	2	1	2	4	1	2	3	3	1	1
6	Kipu	4	2	3	1	4	3	3	3	3	1	3
7	Koloa	4	1	3	3	4	1	3	1	1	1	3

Point values

0	1	1	1	0	1	1	1	1	1	1	1
2	2	3	2	2	2	2	2	2	3	2	2
4	3	N/A	3	4	3	3	3	3	N/A	3	3

Point measures

More than 50 persons per square mile living within one-half mile of the site	The nearest facility is located less than 0.25 miles from the proposed landfill property line	A residence and/or businesses would be displaced	The site is in the group with the highest site cost	The site is ceded or homestead land	The site is in the group with the greatest distance from a major highway	Access road passes more than one school or more than one hospital	Access road passes more than five residences	The prevailing wind blows from the site toward populated areas	Time for responding is greater than 6 minutes	The site is located 0.25 miles or less from a park or recreational area
Between 25 and less than 50 persons per square mile living within one-half mile of the site	The nearest facility is located between 0.25 and 0.50 miles from the proposed landfill property line	No displacement	The site is in the group between the lowest and the highest site costs	The site is considered ceded or homestead land	The site is in the group between the least and the highest distances from a major highway	Access road passes one school or one hospital	Access road passes more than one residence	The prevailing wind does not blow from the site toward populated areas	Response time is between 3 and 6 minutes	The site is located between 0.25 and 0.50 miles from a park of recreational area
Less than 25 people per square mile living within one-half mile of the site	The nearest facility is located more than 0.50 miles from the proposed landfill property line	N/A	The site is in the group with the lowest site cost	The site is not ceded or homestead land	The site is in the group with the least distance from a major highway	Access road does not pass any schools or hospitals	Access road does not pass any residences or residential developments	N/A	Time for responding is less than 3 minutes	The site is located more than 0.5 miles from a park or recreational area

SMS Research Scoring Comments

Mayor's Advisory Committee on Landfill Site Selection

County of Kauai

March 2009

Site #	Criterion #	1	2	3	5	6	7	8	9	17	23	25
Site #	Site Name	Population density near the site	Distance to nearest residence, school, hospital or business	Displacement of residences and/or businesses	Cost of site acquisition	Ceded or Hawaiian homestead land	Site distance from major highway	Schools or hospitals along access road	Residential units or developments along access road	Wind direction relative to populated areas	Access to fire protection	Proximity to parks and recreational facilities
1	Kalepa	Hanamualu Homes subdivision within 1/2 mile to S	Residence at 4840 Ohia Place, Lihue ~2,000 feet to SSW	Six agricultural leasees on State land: · · Bunao, Aurora: 247 acres · Butler, Lara: 156 acres · Kapaa Banana Company: 2 acres · Gooding, Kelly: 19 acres · Sanchez, Alison and Will.: 769 ac. · Calipjo, Elesther: 432 acres	See "Site Value calc" worksheet	Not on homestead land but very close	0.6 miles SE to Highway 56	None but trucks would need to turn onto Highway 583 from Highway 56 right at Lihue Hongwanji Preschool	Off 583, no access road. No houses in vicinity, but a large cemetery (Kauai Memorial Gardens) is there	Nothing to west but could be argued that Hanamualu (to the South) could be affected	10 minutes	Wailua River State Park appears 0.4 miles away to N
2	Umi	Nothing above 25/mi within 1/2 mile	Residence at 4322 Ai Road, Eleele ~1500 feet to East	None	See "Site Value calc" worksheet	Not on homestead land	0.6 miles N to Highway 50	None	Directly on Highway 540	Debateable but might affect Hanapepe and Eleele about 2 miles away	5 minutes	Kukuioolono Golf Club 0.5 miles away to NE
3	Pu'u O Papai	Kaumakani village within 1/2 mile of site	Two residences (driveway begins) at Kaumakani Ave and Kaumuali Highway, Kaumakani ~1,000 feet to South	None	See "Site Value calc" worksheet	Not on homestead land	0.5 miles S to Highway 50	Several access roads, some very close to Kamehameha Preschool-Kaumakani	Depends on access road used: one residence would appear to be affected	Debateable but might affect Kaumakani about 0.5 miles away	15 minutes	Hanapepe Park 1.7 miles away to SE
4	Kekaha-Mauka	Nothing above 25/mi within 1/2 mile	Business directly across Highway 50 ~6900 Kaumuali Highway, Kekaha	None	See "Site Value calc" worksheet	Not on homestead land but very close. On ceded land according to OHA	Directly on Highway 50	Directly on Highway 50	Directly on Highway 50	Nothing to west	15 minutes	Kekaha Beach Park .45 miles away to S
5	Ma'alo	Nothing above 25/mi within 1/2 mile	Kauai Memorial Gardens 4590 Maalo Road, Lihue ~1,500 feet to West	Six agricultural leasees on State land: · · Bunao, Aurora: 247 acres · Butler, Lara: 156 acres · Kapaa Banana Company: 2 acres · Gooding, Kelly: 19 acres · Sanchez, Alison and Will.: 769 ac. · Calipjo, Elesther: 432 acres	See "Site Value calc" worksheet	Not on homestead land	1.7 miles SE to Highway 56	None but trucks would need to turn onto Highway 583 from Highway 56 right at Lihue Hongwanji Preschool	Off 583, no access road. No houses in vicinity, but a large cemetery (Kauai Memorial Gardens) is there	Nothing to west	15 minutes	Wailua River State Park 0.2 miles to N
6	Kipu	Nothing above 25/mi within 1/2 mile	Residence at 3-2122 Kaumuali Highway ~1,500 feet NW	None	See "Site Value calc" worksheet	Not on homestead land	0.2 miles N to Highway 50	None	Just off Highway 50, new access road would be required, likely an old cane hauling road	Nothing to west	10 minutes	Nothing within a few miles
7	Koloa	Nothing above 25/mi within 1/2 mile	Businesses at old Koloa Sugar Mill	None	See "Site Value calc" worksheet	Not on homestead land	3.3 miles NW to Highway 50	None but trucks would need to go through Koloa	Unclear route: assume Koloa Bypass Road, which would pass behind several houses	Winds blow straight towards Koloa about a mile away	10 minutes	Kiahuna Golf Club 1.4 mile away to SW
	Comments					Clarification on ceded lands with Mr. Bucasas at Kauai County	Distances are as the crow flies			NOAA: Prevailing winds are ENE year round	Call with Chief Yee and email to Mr. Bukoski	Distances as the crow flies
	Source Notes				County of Kauai Real Property Assessment and Tax Billing Division	DHHL maps, DBEDT Office of Planning Maps	Google maps	Google maps, County of Kauai Geographic Information Service	Google maps, County of Kauai Geographic Information Service	Wind direction: NOAA		Google Earth, ArcGis

SMS Site Value Calculations (Criteria 5)

Mayor's Advisory Committee on Landfill Site Selection
 County of Kauai
 March 2009

Site #	Site Name	Tax Map Parcel Number	Total Parcel Acreage	Land				Building			Total Value	Estimated Cost per Acre	Owner
				Industrial	Agricultural	Conservation	Improved Residential	Industrial	Agricultural	Improved Residential			
1	Kalepa	3-8-002:001	1,115	\$584,300	\$4,606,500			\$1,389,000	\$20,800		\$6,600,600	\$5,920	Grove Farm Company Inc.
		3-9-002:020	2,181		\$6,936,600	\$2,800			\$300		\$6,939,700	\$3,182	State of Hawai'i (with several leasees)
2	Umi	2-2-001:001	1,465	\$249,400	\$4,022,700	\$47,400	\$1,117,200	\$1,556,700	\$30,300	\$139,800	\$7,163,500	\$4,890	McBryde Sugar Company Ltd.
3	Pu'u O Papai	1-7-006:004	2,685		\$5,007,300				\$73,100		\$5,080,400	\$1,892	Gay & Robinson / Robinson Family Partners
4	Kekaha-Mauka	1-2-002:001	12,998	\$300	\$3,521,700	\$45,600			\$268,500		\$3,836,100	\$295	State of Hawai'i
5	Ma'alo	3-9-002:020	2,181		\$6,936,600	\$2,800			\$300		\$6,939,700	\$3,182	State of Hawai'i (with several leasees)
6	Kipu	3-3-018:002	759		\$4,657,400				\$89,400		\$4,746,800	\$6,257	Grove Farm Company Ltd.
		3-3-018:004	71		\$898,600						\$898,600	\$12,672	Grove Farm Company Ltd.
		3-3-018:007	263		\$2,413,000						\$2,413,000	\$9,190	Grove Farm Company Ltd.
7	Koloa	2-9-002:001	2,371	\$96,800	\$3,911,100	\$372,200		\$158,100	\$593,400		\$5,131,600	\$2,164	Grove Farm Company Ltd.