

# WANAKA AIRPORT

## 2010 ADDENDUM TO MASTER PLAN



## Master Plan Air Traffic Forecasts

### 1.1. Background

Airbiz Aviation Strategies Pty Limited has reviewed and updated the Wanaka Airport Master Plan passenger and aircraft movements forecasts contained in the 2006 Master Plan. The revised forecasts are set out below.

### 1.2. Passenger Movements Forecast Comparison

2006 Wanaka Airport Master Plan Passenger Movements Forecast				Airbiz 2010 Passenger Movements Forecast			
Passengers by Aircraft Type	2016	2026	2036	Category	2016	2026	2036
<b>Scheduled</b>				<b>Scheduled Domestic</b>			
B737/AS320	-	214,534	305,924	High	25,000	59,400	106,550
ATR72	-	-	-	<b>Median</b>	<b>22,000</b>	<b>45,700</b>	<b>74,400</b>
Dash Q400	-	113,442	155,297	Low	19,300	34,900	46,800
Dash8 Q300	89,425	-	-				
Beech 1900D	-	-	-				
<b>Subtotal</b>	<b>89,425</b>	<b>327,976</b>	<b>461,221</b>				
<b>Non-Scheduled Charter</b>				<b>Non-Scheduled Charter</b>			
Convair 580/ATR72 etc	1,105	2,274	3,027	High	8,000	11,800	17,500
<b>Subtotal</b>	<b>1,105</b>	<b>2,274</b>	<b>3,027</b>	<b>Median</b>	<b>5,100</b>	<b>6,800</b>	<b>9,200</b>
				Low	2,400	2,900	3,600
<b>Flight seeing</b>				<b>Flight seeing</b>			
BN2-A Islander	-	-	-	High	11,120	19,920	30,950
Cessna 206/185	-	-	-	<b>Median</b>	<b>10,420</b>	<b>17,790</b>	<b>26,330</b>
Cessna 177	-	-	-	Low	9,740	15,870	22,410
Cessna Caravan	9,128	15,203	18,352				
Airvan GA8	4,563	7,600	9,173				
<b>Subtotal</b>	<b>13,691</b>	<b>22,803</b>	<b>27,525</b>				
<b>Other GA</b>				<b>Other GA</b>			
<b>Pilot Training</b>				High	-	-	-
Cessna 172	4,374	5,531	6,676	<b>Median</b>	-	-	-
Light Sports A/C	3,042	3,847	4,644	Low	-	-	-
<b>General Aviation</b>							
Cessna etc	11,770	17,823	21,514				
<b>Skydiving</b>							
Cresco etc	22,479	35,534	42,894				
Warbirds + Adventure	478	663	801				
<b>Subtotal</b>	<b>42,143</b>	<b>63,398</b>	<b>76,529</b>				
<b>Helicopters</b>				<b>Helicopters</b>			
R22/44	9,528	11,448	14,301	High	-	-	-
H500/AS350	7,723	13,919	17,388	<b>Median</b>	-	-	-
<b>Subtotal</b>	<b>17,251</b>	<b>25,367</b>	<b>31,689</b>	Low	-	-	-
<b>TOTAL</b>	<b>163,615</b>	<b>441,818</b>	<b>599,991</b>	<b>TOTAL</b>			
				High	44,100	91,100	155,000
				<b>Median</b>	<b>37,500</b>	<b>70,300</b>	<b>109,900</b>
				Low	31,400	53,700	72,800

TABLE 1-1 AIRBIZ TOTAL PASSENGER MOVEMENTS FORECAST COMPARISON WITH 2006 WANAKA AIRPORT MASTER PLAN FORECAST

### Total Passenger Movements Comparison

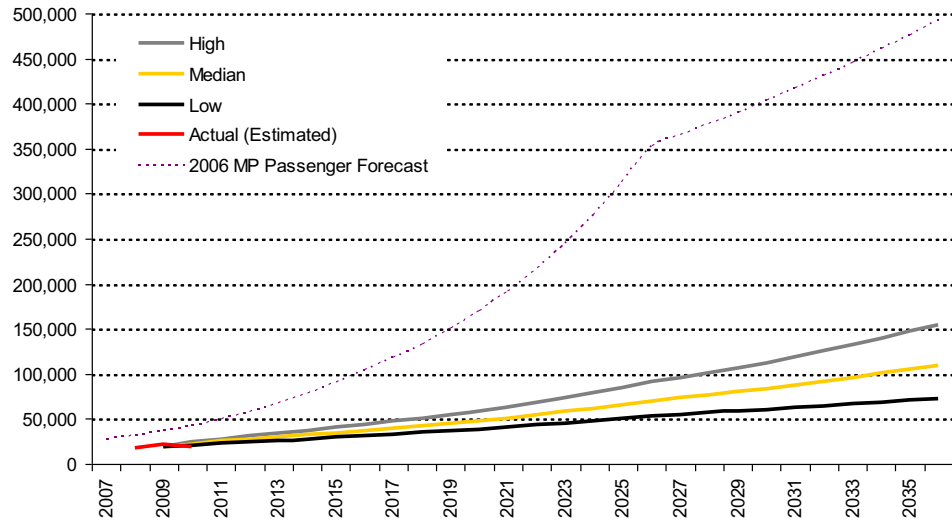


FIGURE 1-2 AIRBIZ TOTAL PASSENGER MOVEMENTS FORECAST COMPARISON WITH 2006 WANAKA AIRPORT MASTER PLAN FORECAST

### 1.3. Aircraft Movements Forecast Comparison

2006 Wanaka Airport Master Plan Aircraft Movements Forecast				Airbiz 2010 Aircraft Movements Forecast			
Aircraft Type	2016	2026	2036	Category	2016	2026	2036
<b>Scheduled</b>				<b>Scheduled Domestic</b>			
B737/AS320	-	2,254	2,999	High	1,420	2,370	2,990
ATR72	-	-	-	<b>Median</b>	<b>1,250</b>	<b>1,830</b>	<b>2,090</b>
Dash Q400	-	2,190	2,915	Low	1,100	1,390	1,310
Dash8 Q300	2,555	-	-				
Beech 1900D	-	-	-				
Subtotal	2,555	4,444	5,914				
<b>Non-Scheduled Charter</b>				<b>Non-Scheduled Charter</b>			
Convair 580/ATR72 etc	26	54	71	High	177	262	388
<b>Subtotal</b>	<b>26</b>	<b>54</b>	<b>71</b>	<b>Median</b>	<b>113</b>	<b>151</b>	<b>203</b>
				Low	54	65	80
<b>Flight seeing</b>				<b>Flight seeing</b>			
BN2-A Islander	-	-	-	High	2,940	4,410	5,730
Cessna 206/185	-	-	-	<b>Median</b>	<b>2,750</b>	<b>3,940</b>	<b>4,880</b>
Cessna 177	-	-	-	Low	2,570	3,510	4,150
Cessna Caravan	1,014	1,689	2,039				
Airvan GA8	1,014	1,689	2,039				
<b>Subtotal</b>	<b>2,028</b>	<b>3,378</b>	<b>4,078</b>				
<b>Other GA</b>				<b>Other GA</b>			
<b>Pilot Training</b>				High	12,300	16,600	20,300
Cessna 172	3,499	5,531	6,676	<b>Median</b>	<b>11,800</b>	<b>15,000</b>	<b>17,100</b>
Light Sports A/C	2,434	3,847	4,644	Low	11,200	13,500	14,500
<b>General Aviation</b>							
Cessna etc	5,885	8,912	10,757				
<b>Skydiving</b>							
Cresco etc	7,493	11,845	14,298				
Warbirds + Adventure	478	663	801				
<b>Subtotal</b>	<b>19,789</b>	<b>30,798</b>	<b>37,176</b>				
<b>Helicopters</b>				<b>Helicopters</b>			
R22/44	6,352	11,448	14,301	High	7,460	11,600	15,590
H500/AS350	3,961	7,138	8,917	<b>Median</b>	<b>6,980</b>	<b>10,330</b>	<b>13,220</b>
<b>Subtotal</b>	<b>10,313</b>	<b>18,586</b>	<b>23,218</b>	Low	6,520	9,190	11,210
<b>TOTAL</b>	<b>34,711</b>	<b>57,260</b>	<b>70,457</b>	<b>TOTAL</b>			
				High	24,300	35,200	45,000
				Median	22,900	31,300	37,500
				Low	21,400	27,700	31,200

TABLE 1.3 AIRCRAFT MOVEMENTS FORECAST COMPARISON

### Total Aircraft Movements Comparison

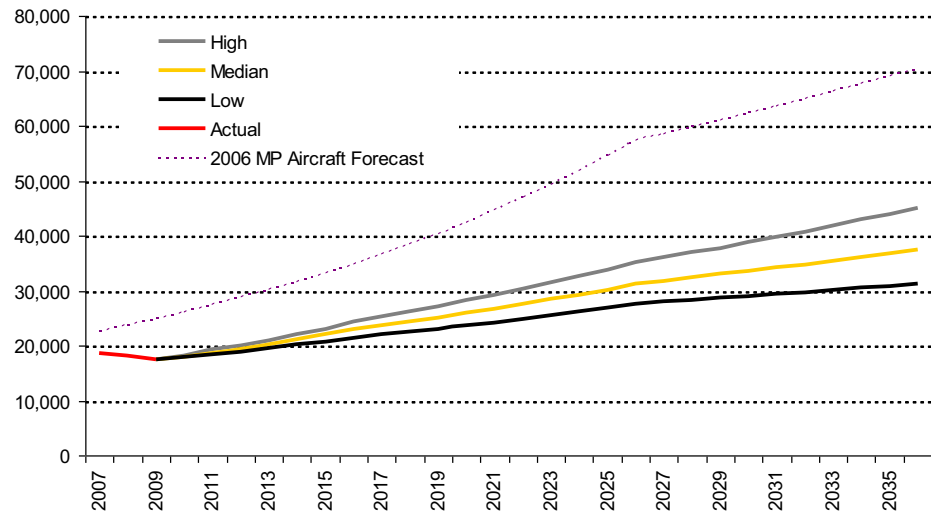


FIGURE 1-4-1 TOTAL AIRCRAFT MOVEMENTS FORECAST COMPARISON WITH 2006 WANAKA AIRPORT MASTER PLAN FORECAST

See attached pages for:

- Revised Predicted Noise Contours; and
- Revised Future Development Runway Configuration.