



# Gerringong to Bomaderry Princes Highway Upgrade

Fog Monitoring Report - September 2008

The Roads and Traffic Authority

September 2008

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# Gerringong to Bomaderry Princes Highway Upgrade

Prepared for

**The Roads and Traffic Authority**

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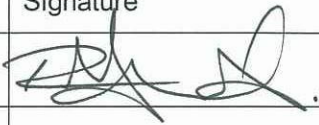
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## 1.0 Background

Maunsell was engaged by the RTA in December 2006 to carry out an Options and Route Selection Study, Concept Development and Environmental Assessment (EA) for upgrading the Princes Highway between 42.6 km to 74.6 km south of Wollongong. Maunsell has engaged a number of prominent sub-consultants to contribute to the delivery of this project.

The work includes development of route options and concept development based on the identified preferred route, environmental assessment, public displays and handover period to allow for finalisation of all activities and reports following the announcement and display of the Preferred Route, the Environmental Assessment and the Conditions of Approval.

The project will provide a bypass of Berry. The northern extremity of the project is in the vicinity of the Mount Pleasant Lookout (north of Gerringong at the termination of the four lane configuration) and the southern extremity of the project is the intersection (roundabout) of the Princes Highway with Cambewarra and Moss Vale Roads at Bomaderry.

Community involvement is a key aspect of this project and will afford the broader community the opportunity to make a demonstrable input to the process and to ensure that the requirements and aspirations of the community will be adequately and appropriately addressed. This is particularly relevant to:

- a) Any potential impacts on rural and residential areas within the study area;
- b) Social and economic impacts;
- c) Accessibility of the road network for local and through traffic;
- d) Potential impacts on water quality;
- e) Potential impacts on wetlands;
- f) Potential impact on flooding;
- g) Potential impacts on land uses;
- h) Threatened flora and fauna species;
- i) Indigenous and non-indigenous heritage;
- j) Visual impact;
- k) Noise; and
- l) Air quality.

Several studies have been undertaken since the early 1990s to identify a preferred route to upgrade sections of the Princes Highway between Kiama and Nowra including a bypass around the town of Berry.

These studies include:

- m) The 1991 Gerringong to Berry Route Study;
- n) 1998 North Street Berry Bypass Corridor; and
- o) 2004/05 Quantm Study from Kiama to Nowra.

Sections of the highway between Gerringong and Bomaderry have a poor accident record and limited safe overtaking opportunities.

Due to the significant changes in traffic, land use and population since 1991, the NSW state government, in March 2006 committed to investigating an area where it is likely a preferred route would be located to upgrade the Princes Highway between Mount Pleasant at Gerringong and Moss Vale / Cambewarra Road at Bomaderry to meet current road standards.

## 2.0 Objective of report

This report presents the key findings of the fog monitoring carried out by Maunsell during the month of September 2008 as part of the project. The report also includes a brief summary of the fog conditions recorded over the whole of the 12 month monitoring period between October 2007 and October 2008.

The data recorded over the monitoring period has not directly influenced the generation of route options or the selection of a preferred route, but will input into the concept design and environmental assessment of a preferred route for the upgrade of the Princes Highway between Gerringong and Bomaderry.

Specifically the key objectives of this report are to:

- a) Record the number of fog occurrences for the given month within the study area that may have an impact on the safe operation of a preferred route; and
- b) Provide a medium to document the data output from the fog monitoring for each month that can be later interrogated to feed in to the environmental assessment and concept design of the selected preferred route.

This report has been issued monthly throughout the monitoring period and the results will be considered at the environmental assessment and concept design stages of the project.

Key findings are summarised in **Section 5** and the full visibility datasets recorded during this month are presented in **Appendix A**. A summary of the findings throughout the 12 month monitoring period is presented in **Section 6**.

## 3.0 Fog assessment methodology

### 3.1 Introduction to fog monitoring

For any given amount of water vapour in the air, there is a temperature at which the rate of evaporation equals the rate of condensation. This temperature is called the dew point. As air rises, it cools and as soon as it cools to below the dew point, water droplets condense and accumulate to form cloud.

At night, the surface of the Earth cools, which cools the air above it. With no wind, the air close to the surface will cool rapidly but the air above that will cool more slowly. When there is a layer of air close to the surface that cools below the dew point, the water vapour condenses and the water droplets coat the surface to form dew.

Dew and frosts require very still air and clear skies to form. Clear skies allow the heat radiated from the earth to go straight out to space. If the air is moving very slightly, the very cold air close to the ground gets mixed with the warmer air above it and this can lead to air falling below the dew point temperature through a greater depth.

When this happens, the water vapour condenses into water droplets that are suspended in the air, with a visible fog resulting. Fogs are most common near lakes and rivers where there is plenty of moisture in the air and on clear mornings after rain. A fog that forms in this way is called a radiation fog. There is also another type of fog called convection fog, which occurs in areas such as Bulli Tops, to the north of the study area. This type of fog can be more variable for shorter and longer periods and is not restricted to time of day. Convection fog forms higher in the air when rising warmer air meets cooler air.

If the wind is too strong in the morning, the cold air near the surface is mixed with a greater amount of warmer air and the temperature doesn't drop below the dew point so the formation of frosts and fogs is limited on windy days.

### 3.2 Monitoring equipment overview

#### 3.2.1 Introduction to the Vaisala Present Weather Detector PWD12

The PDW12 is an intelligent, multi-variable sensor developed specifically for automatic weather observation systems. The sensor combines the functions of a forward scatter visibility meter and a present weather sensor and measures the intensity and amount of both liquid and solid precipitation.

The system functions by recording an estimate of the precipitation water content and combining that data with optical scatter and temperature measurements. These three independent measurements together provide a sufficient dataset to accurately evaluate the prevailing visibility and weather type.

#### 3.2.2 Functional description

The PWD12 measures visibility by using the principle of forward scatter measurement, which is based on the fact that light scatters from particles whose diameter is in the order of magnitude of the wavelength of the light and the amount of scatter is proportional to the attenuation of the light beam. Larger particles, which are usually precipitation droplets behave as reflectors and refractors.

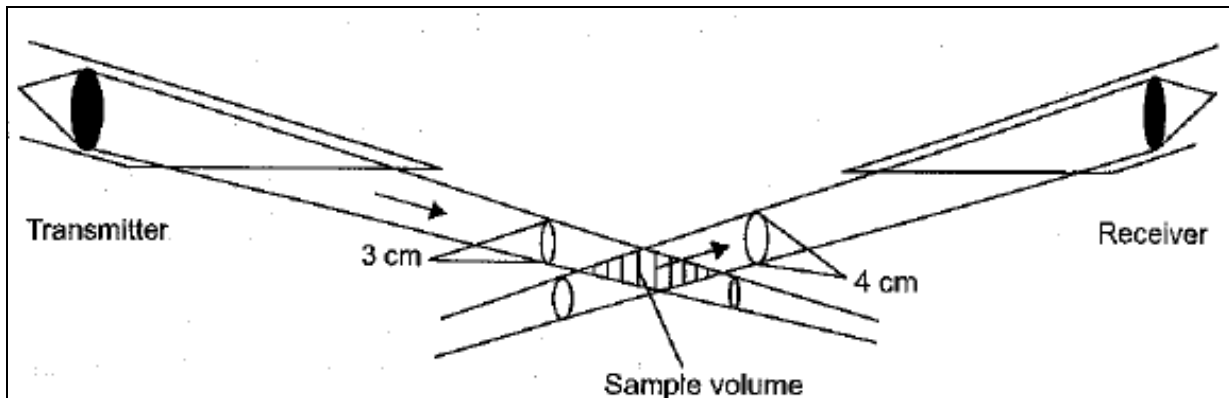
The optical arrangement of the systems is set up to detect individual droplets of precipitation based on rapid signal changes associated with the different light scatter measurements. The system software calculates the intensity of the precipitation by analysing the amplitudes of these signal changes. This intensity estimate is proportional to the volume of the precipitation droplets.

The optical system also records limited information about the precipitation type, but additional information is required to make an accurate determination, especially during very light precipitation or windy conditions. To this end, the PWD12 also measures an estimate of the water content of the precipitation and analyses the difference between the water equivalent and the volume to accurately determine the type of precipitation present. For example, the water equivalent and the volume in rain are equal, whereas in snow, the optical volume estimate is about ten times larger - this difference of approximately one decade is used to distinguish between rain and snow.

### 3.2.3 Optical arrangement

The PDW12 measures light scattered at an angle of 45° (**Figure 3.1**). This angle produces a stable response in various types of natural fog. Precipitation droplets scatter light in a different manner than fog and their contribution to visibility is analysed independently. The system can detect and measure precipitation droplets from the optical signal and use this information in processing the scatter measurement results.

Figure 3.1 PWD12 optical system



Source: Vaisala Present Weather Detector PWD12 User Guide. Vaisala, 2006

The PWD12 has a small sample volume of about 0.1 litres, which allows for independent particles to be measured even at relatively heavy precipitation intensities. The signal levels from even the smallest precipitation droplets can also be detected.

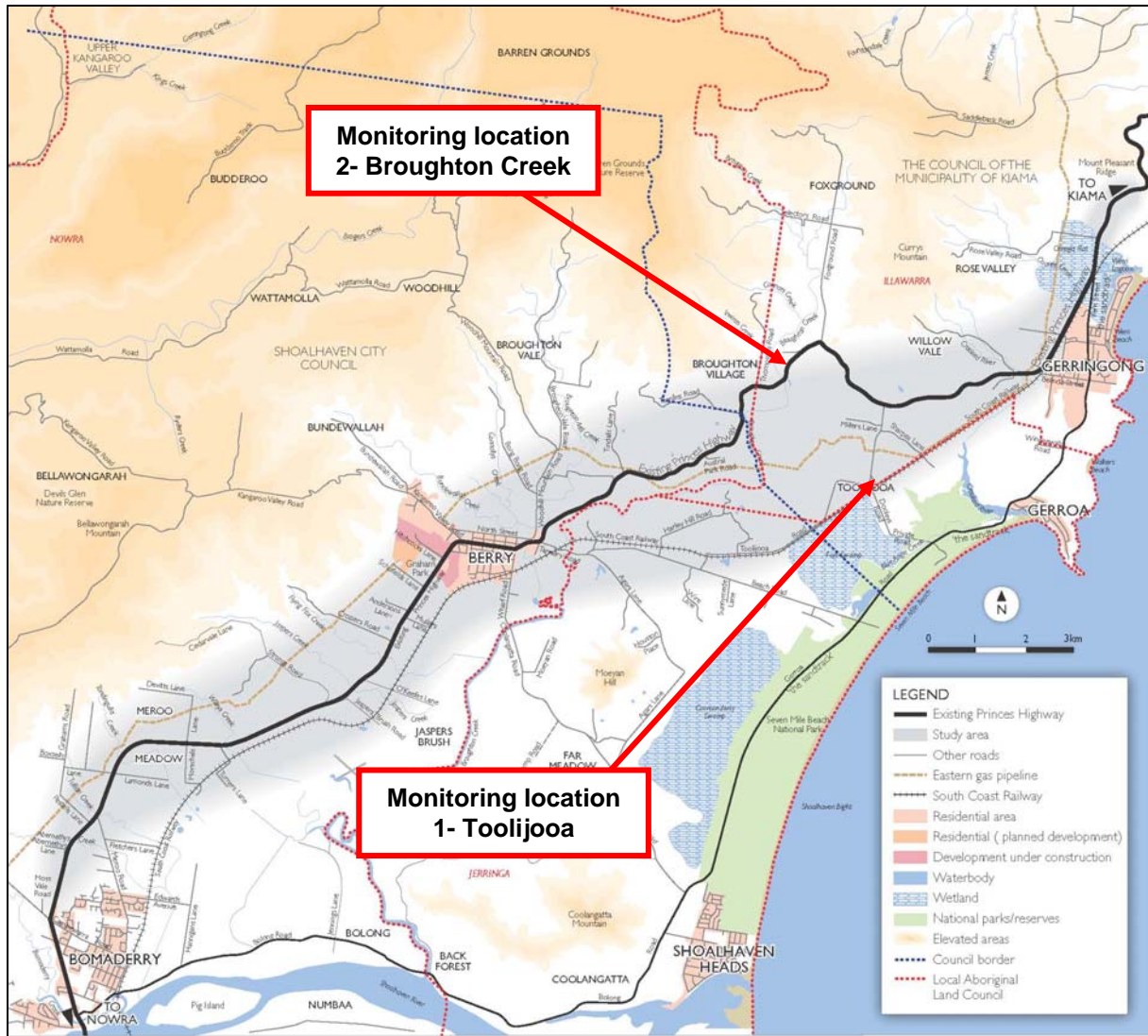
## 3.3 Fog monitoring locations

Two locations, a monitoring site and a control site, have been selected within the study area (**Figure 3.2**). They have been selected in different areas in order to gain an appreciation of the impact of fog on different options.

The monitoring site is in Toolijooa at an elevation of 24ft (7.3m elevation) and is known to experience a relatively high occurrence of fogs, especially during the summer. The control site is located within the road reserve of the existing Princes Highway adjacent to Broughton Creek, at an elevation of 122ft (37.2m elevation).



Figure 3.2 Fog monitoring site locations



## 4.0 Monitoring outputs

### 4.1 Weather codes

The PWD12 records the weather type in accordance with the World Meteorological Organisation (WMO) code table 4680 outlined in **Table 4.1**. Fog codes relevant to the study are highlighted in **RED**.

**Table 4.1 WMO SYNOP codes (Table 4680, W<sub>a</sub> W<sub>a</sub>) used by the PWD12 system**

SYNOP code	PWD12 weather type
00	Clear
04	Haze, smoke or dust in suspension in the air. Visibility equal to or greater than 1km
05	Haze, smoke or dust in suspension in the air. Visibility less than 1km
10	Mist
Code figures 20 to 25 are used if precipitation or fog was recorded during the preceding hour, but not at the time of observation	
20	Fog
21	Precipitation
22	Drizzle (not freezing) or snow grains
23	Rain (not freezing)
24	Snow
The following codes are used if precipitation or fog is recorded at the time of observation	
30	FOG
31	Fog or ice fog – in patches
32	Fog or ice fog – has become thinner during the past hour
33	Fog or ice for – no appreciable change during the past hour
34	For or ice – has begun to become thicker during the past hour
40	PRECIPITATION
41	Precipitation – slight or moderate
42	Precipitation – heavy
50	DRIZZLE
51	Drizzle – not freezing, slight
52	Drizzle – not freezing – heavy
53	Drizzle – not freezing, heavy
60	RAIN
61	Rain – light
62	Rain – moderate
63	Rain – heavy
67	Rain (or drizzle) and snow – light
68	Rain (or drizzle) and snow – moderate or heavy
70	SNOW
71	Snow – light
72	Snow – moderate
73	Snow – heavy

Table 4.1 WMO SYNOP codes (Table 4680, W<sub>a</sub>W<sub>a</sub>) used by the PWD12 system cont'd.

SYNOP code	PWD12 weather type
The following codes are used if precipitation or fog is recorded at the time of observation	
80	SHOWERS OR INTERMITTENT PRECIPITATION
81	Rain showers – light
82	Rain showers – moderate
83	Rain showers – heavy
84	Rain showers – violent (>32mm/hr)
85	Snow showers – light
86	Snow showers – moderate
87	Snow showers – heavy

Precipitation type is recorded in accordance with the United States National Weather Service (NWS) abbreviations outlined in **Table 4.2**.

Table 4.2 Weather types and NWS codes supported by the PWD12 system

PWD12 weather type	NWS code
NO PRECIPITATION	C
PRECIPITATION	P
DRIZZLE	L
RAIN	R
SNOW	S
SLEET	IP

Note: NWS codes are used with intensity indicator '+' (plus) for heavy, '-' (minus) for light and none (space) for moderate. For example 'R+' recorded in the dataset indicates heavy rain.

## 4.2 Visibility types

The weather type is determined from visibility, when precipitation is not detected. The visibility types for the PWD12 system are determined by the code limits outlined in **Table 4.3** below. Fog conditions relevant to the study are highlighted in **RED**.

Table 4.3 PWD12 weather type code limits

Code	10-minute visibility average	Weather condition
CLEAR (00)	Higher than or equal to 2km	No precipitation
MIST (10)	Higher than or equal to 1km but below 2km	No precipitation Reduction in visibility is caused by moisture in the air
HAZE, SMOKE, DUST or SAND (04)	Higher than or equal to 1km but below 2km	No precipitation Reduction in visibility is caused by dry particles in the air
FOG (30)	Lower than 1km	No precipitation Reduction in visibility is caused by moisture in the air
HAZE, SMOKE, DUST or SAND (05)	Lower than 1km	No precipitation Reduction in visibility is caused by dry particles in the air

#### 4.2.1 Fog codes

The fog trend is calculated from the one-hour data. The average of the last 20 minutes and the first 20 minutes of the data is calculated and the change in these averages determines the trend.

Code 20 is reported when fog has been reported during the preceding hour, but visibility is now better than one kilometre and no fog patch detection is on.

Fog patches (code 31) are detected from rapid changes in visibility across the one kilometre fog limit. If visibility of the one-minute average is more than twice, or less than half of the two minute average, then the internal patch detector is set for about 30 minutes.

##### **Thinner**

Fog is reported to get thinner (code 32) if the last 20 minute visibility average minus the first 20 minute visibility average is more than zero (>0) and the difference must be greater than 30% of the first 20 minute visibility average.

##### **Stable**

Fog has been stable (code 33) if the last 20 minute visibility average minus the first 20 minute visibility average is less than 20% of the lower average visibility.

##### **Thicker**

Fog is reported to get thicker (code 34) if the last 20 minute visibility average minus the first 20 minute visibility average is less than zero (<0) and the difference is more than 30% of the new 20 minute visibility average.

#### 4.3 Weather classes

The weather classes reported by the PWD12 system are 'continuous' and 'showers or intermittent'.

The weather class is continuous if there are less than two clear (no precipitation) periods during the preceding hour.

The weather class is showers or intermittent if there are two or more clear periods during the preceding hour of precipitation.

However, if more than 30 minutes have elapsed from the last detected precipitation, the **precipitation during the preceding hour** code is recorded.

## 5.0 Results

### 5.1 Log records

The system saves three different log groups to its internal memory for a period of 30 days. These are then stored via a modem download to a PC in Maunsell's office in Sydney.

Log group L0 contains 10 minute average visibility data and 15 minute WMO synop present weather codes.

Log group L1 contains one minute average visibility data, instant NWS code, instant WMO synop code, one hour WMO synop present weather code and rain intensity data. Complete datasets are included in **Appendix A**.

Log group L2 contains cumulative rain and snow sum and also charging status of the power supply for the system in the field to facilitate maintenance and performance monitoring.

### 5.2 Key findings

The following findings reflect data logged at both the Toolijooa and Broughton Creek monitoring stations for the period 3 September to 2 October 2008 inclusive.

#### 5.2.1 Toolijooa monitoring station

##### Mist and fog recordings

The Toolijooa site recorded consistently misty conditions for most of the monitoring period. Visibility has been good with sight distances recorded at 2000m (the maximum recordable distance) for the whole of the recording period.

##### Other findings

There were four occurrences of haze, smoke or dust in suspension in the air recorded in September. Visibility during these events remained at the maximum with a sight distance of 2000m recorded.

#### 5.2.2 Broughton Creek monitoring station

##### Mist and fog recordings

The Broughton Creek site recorded predominately clear conditions during September 2008 with occasional light rain.

Mist occurred on 11 days and developed into fog on the 2 October 2008. Visibility dropped to its lowest of 619m on 2 October 2008.

##### Other findings

No other significant conditions have been recorded at the Broughton Creek monitoring site in September.

## 6.0 Summary

### 6.1 General findings

This section presents the general findings of the fog monitoring carried out during the 12 month monitoring period between October 2007 and October 2008. A summary of the findings at each monitoring site is provided in **Table 6.1** (Broughton Creek) and **Table 6.2** (Toolijooa).

Data stored by the two monitoring systems in the study area was downloaded, via the mobile phone network to the Maunsell office in Sydney for interpretation throughout the monitoring period. Due to a break in the communications link between both monitoring sites and the Sydney office and a subsequent system reset, a shortened monitoring period was experienced in July.

Data was captured from 19 July to 7 August only for the monitoring period reported for July, but this break in communications and data gap is not considered to be of significant detriment to the overall value of the monitoring and sound conclusions can still be reached in line with the objectives of the study.

The lowest visibility during the monitoring period was recorded at the Broughton Creek site, with sight distance reduced to a maximum of 253m. This reduced visibility was recorded for a period of up to one hour at midnight on 27 October 2007. Generally, the occurrence of fog is not considered to have an adverse impact on safe driving conditions until visibility drops to below 250m and a significant impact would not be expected until visibility drops to below 200m. This is in line with the RTA Road Design Guideline safe stopping sight distance of 210m for a design speed of 110km/h.

Fog density and duration such as recorded at the Broughton Creek monitoring site would not impede safe driving for motorists using the upgrade. However, the potential of this to impact visibility and safe driving conditions at this location will be considered during the concept design development of the preferred option as it passes through the affected area. This will include the requirement for fog warning signs or other traffic management measures as required by the determined level of impact and appropriate road safety guidelines.

Overall the data recorded did not directly influence the generation of route options and has not had a bearing on the selection of a preferred route for the upgrade. However, the findings of the monitoring will input into the environmental assessment and concept design of the preferred route during the next stage of the project.

A preferred option recommendation was made following a Route Options Value Management Workshop held in May 2008 and the completion of further studies carried out as a recommendation of that workshop. The preferred option recommended (and displayed to the community for feedback in October 2008) does not include a route through the Toolijooa area, but does include two options in the vicinity of the Broughton Creek Monitoring site.

At the time of writing this report, the project team is carrying out further assessment of the two route options in the vicinity of Broughton Creek that form part of the overall preferred option for the upgrade. The Pink route cuts through Toolijooa Ridge in deep cutting and closely follows the existing alignments as it crosses Broughton Creek next to the monitoring site. The Green route traverses the Toolijooa Ridge in tunnel and is aligned further to the east as it crosses Broughton Creek.

**Table 6.1 Broughton Creek monitoring station**

The following results were recorded between 6 October 2007 and 3 October 2008.

Month	No of days fog recorded	No. of days mist recorded*	Lowest visibility recorded	Notes
September 2008	1	11	619m (4.00am, 21/10/2008)	The site recorded predominately clear conditions with occasional light rain.
August 2008	1	5	1177m (2.00am, 30/08/2008)	The site recorded predominately clear conditions with occasional light rain.
July 2008	2	3	852m (9.00pm, 25/07/2008)	Due to a break in the communications link and a subsequent reset, a shortened monitoring period from 19 July to 7 August inclusive was recorded.  The site recorded predominately clear condition with sporadic periods of light rain recorded in the latter half of the month
June 2008	3	7	387m (11.00pm, 27/06/2008)	The site recorded predominately clear conditions with occasional light mist.
May 2008	1	9	978m (3.00am, 11/05/2008)	The site recorded predominately clear conditions with occasional light mist.
April 2008	11	16	264m (5.00am, 13/04/2008)	The site recorded predominately clear conditions, however visibility dropped below 2000m on 16 occasions for variable periods between one and four hours.
March 2008	0	10	Maximum only	The site recorded predominately clear conditions with occasional light mist. Two prolonged mists occurred 25 March and 2 April, which lasted for nine and 11 hours respectively.
February 2008	3	10	521m (12.00am, 12/02/2008)	The site recorded predominately clear conditions with occasional light mist. Two prolonged mists occurred on 9 February and 27 February, which lasted for 10 and 12 hours respectively.
January 2008	1	7	871m (10.00pm, 16/01/2008)	The site recorded predominately clear conditions with occasional light mist.

Month	No of days fog recorded	No. of days mist recorded*	Lowest visibility recorded	Notes
December 2007	0	9	1146m (4.00am, 13/12/2007)	The site recorded predominately clear conditions with occasional light mist.
November 2007	3	15	367m (1.00am, 11/11/2007)	The site recorded predominately clear conditions with occasional light mist.
October 2007	2	18	253m (12.00am, 27/10/2007)	The site recorded predominately clear conditions with occasional light mist.

\*Misty conditions occurred for 1 hour or longer in any one period.

**Table 6.2 Toolijooa monitoring station**

The following results were recorded between 6 October 2007 and 3 October 2008.

Month	No of days fog recorded	No. of days mist recorded*	Lowest visibility recorded	Notes
September 2008	0	31	Maximum only	The site recorded consistently misty conditions for most of the recorded period.
August 2008	0	31	Maximum only	The site recorded consistently misty conditions for most of the recorded period with sporadic periods of clearer conditions, typically occurring early afternoon.  11 occurrences where readings of haze, smoke or dust in suspension in the air were recorded.
July 2008	0	22	Maximum only	Due to a break in the communications link and a subsequent reset, a shortened monitoring period from 19 July to 7 August inclusive was recorded.  The site recorded consistently misty conditions for most of the recorded period with sporadic periods of clearer conditions, typically occurring early afternoon.



Month	No of days fog recorded	No. of days mist recorded*	Lowest visibility recorded	Notes
June 2008	5	23	465m (1.00am, 10/06/2008)	The site recorded consistently misty conditions for much of the first half of the month and sporadic misty conditions for the remainder of the period. Visibility was generally good however with sight conditions recorded at 2000m (maximum) for the majority of the time.
May 2008	0	31	1243m (6.00am, 30/05/2008)	Conditions have been consistently misty, but with generally good visibility at 2000m (maximum).  Between 17 May and 20 May readings of haze, smoke or dust in suspension in the air were recorded.
April 2008	0	30	971m (2.00am, 12/04/2008)	Conditions have been consistently misty, but with generally good visibility at 2000m (maximum). Thicker periods of mist developed on four occasions in the early morning (before 5am).
March 2008	1	9	574m (10.00pm, 06/03/2008)	The site recorded predominately clear conditions with occasional light mist. Mist developed into a relatively thick, but unsustained fog on one occasion.
February 2008	3	10	871m (9.00pm, 16/02/2008)	The site recorded predominately clear conditions with occasional light mist.
January 2008	0	6	1146m (4.00am 31/01/2008)	The site recorded predominately clear conditions with occasional light mist.
December 2007	0	28	1165m (10.00am, 16/12/2007)	The site recorded predominately misty conditions, however these have been generally light and patchy. Misty conditions lingered for prolonged periods on two occurrences on 7 December and 16 December.
November 2007	4	27	291m (3.00am,11/11/2007)	The site recorded predominately misty conditions, however these have been generally light. Prolonged mist which lingered for the whole day occurred on five occasions.
October 2007	3	18	1718m (7.00pm, 24/11/2007)	The site recorded predominately clear conditions with occasional light mist. Prolonged mist which lingered for the whole day occurred on two occasions

\*Misty conditions occurred for 1 hour or longer in any one period.

# Appendix A Log group L1 - monitoring results



### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
3/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/09/2008	04:00:02	VALID	1681	VALID	R+	VALID	63	VALID	63	VALID	15.09	
3/09/2008	05:00:02	VALID	2000	VALID	R-	VALID	61	VALID	63	VALID	0.63	
3/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	23	VALID	0	
3/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/09/2008	08:00:02	VALID	2000	VALID	R-	VALID	61	VALID	63	VALID	0.2	
3/09/2008	09:00:03	VALID	2000	VALID	L	VALID	52	VALID	61	VALID	0.63	
3/09/2008	10:00:03	VALID	2000	VALID	L-	VALID	51	VALID	81	VALID	0.26	
3/09/2008	11:00:02	VALID	2000	VALID	C	VALID	0	VALID	21	VALID	0	
3/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
3/09/2008	13:00:02	VALID	2000	VALID	L	VALID	52	VALID	81	VALID	0.48	
3/09/2008	14:00:02	VALID	2000	VALID	R-	VALID	61	VALID	62	VALID	0.32	
3/09/2008	15:00:02	VALID	2000	VALID	L	VALID	52	VALID	81	VALID	0.67	
3/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	23	VALID	0	
3/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/09/2008	19:00:02	VALID	2000	VALID	R-	VALID	61	VALID	62	VALID	0	
3/09/2008	20:00:03	VALID	2000	VALID	R-	VALID	61	VALID	81	VALID	0.57	
3/09/2008	21:00:03	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	1.57	
3/09/2008	22:00:03	VALID	2000	VALID	L	VALID	52	VALID	61	VALID	0.68	
3/09/2008	23:00:02	VALID	2000	VALID	C	VALID	0	VALID	21	VALID	0	
4/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
4/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	21:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
4/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
5/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
5/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	23	VALID	0	
5/09/2008	14:00:02	VALID	2000	VALID	R-	VALID	61	VALID	81	VALID	0.18	
5/09/2008	15:00:02	VALID	2000	VALID	L	VALID	52	VALID	81	VALID	0.66	

### Broughton Creek visibility data- Log 1, September 2008

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
5/09/2008	16:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.13	
5/09/2008	17:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	1.1	
5/09/2008	18:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.1	
5/09/2008	19:00:02	VALID	2000	VALID	L	VALID	52	VALID	61	VALID	0.46	
5/09/2008	20:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.29	
5/09/2008	21:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.02	
5/09/2008	22:00:03	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.67	
5/09/2008	23:00:03	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.25	
6/09/2008	00:00:05	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.18	
6/09/2008	01:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.47	
6/09/2008	02:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.26	
6/09/2008	03:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.68	
6/09/2008	04:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.14	
6/09/2008	05:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.44	
6/09/2008	06:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.3	
6/09/2008	07:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.7	
6/09/2008	08:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.39	
6/09/2008	09:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.31	
6/09/2008	10:00:03	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.14	
6/09/2008	11:00:03	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.07	
6/09/2008	12:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.16	
6/09/2008	13:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.31	
6/09/2008	14:00:02	VALID	2000	VALID	R-	VALID	61	VALID	62	VALID	0.45	
6/09/2008	15:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.12	
6/09/2008	16:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.06	
6/09/2008	17:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.22	
6/09/2008	18:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0	
6/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
6/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	82	VALID	0	
6/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	21	VALID	0	
6/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
6/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

**Broughton Creek visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
7/09/2008	00:00:04	VALID	2000	VALID	R-	VALID	61	VALID	0	VALID	0.52	
7/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
7/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	00:00:05	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

**Broughton Creek visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
8/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	21:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
8/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

**Broughton Creek visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
9/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
9/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	21:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
10/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	



### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
11/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	05:00:02	VALID	1650	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	21:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
11/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

**Broughton Creek visibility data- Log 1, September 2008**

Broughton Creek visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
12/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	09:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	11:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	20:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
12/09/2008	23:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	08:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	09:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	10:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	11:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

### Broughton Creek visibility data- Log 1, September 2008

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
13/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	19:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	20:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	22:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
13/09/2008	23:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	00:00:06	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	05:00:02	VALID	2000	VALID	R-	VALID	61	VALID	81	VALID	0.56	
14/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
14/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
14/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	23	VALID	0	
14/09/2008	09:00:02	VALID	2000	VALID	R	VALID	62	VALID	81	VALID	2.19	
14/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	23	VALID	0	
14/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	13:00:02	VALID	2000	VALID	R-	VALID	61	VALID	81	VALID	0.08	
14/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
14/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
14/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
15/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
15/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
15/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
16/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
16/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
16/09/2008	22:00:03	VALID	2000	VALID	R-	VALID	61	VALID	81	VALID	0.17	
16/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
17/09/2008	00:00:04	VALID	2000	VALID	L-	VALID	51	VALID	81	VALID	0.37	
17/09/2008	01:00:02	VALID	2000	VALID	R-	VALID	61	VALID	81	VALID	0.01	
17/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
17/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	21	VALID	0	
17/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

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date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
17/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
17/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	00:00:06	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	02:00:02	VALID	1750	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
18/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
19/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	10	VALID	0	Mist
19/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
19/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

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date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
20/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
20/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	



### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
21/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
21/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	10:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	23	VALID	0	
22/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	19:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0	
22/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	23	VALID	0	
22/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
22/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
23/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	01:00:02	VALID	2000	VALID	L	VALID	52	VALID	52	VALID	0.66	
23/09/2008	02:00:02	VALID	2000	VALID	R-	VALID	61	VALID	81	VALID	0	
23/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	23	VALID	0	
23/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	06:00:02	VALID	2000	VALID	L	VALID	52	VALID	61	VALID	0.68	
23/09/2008	07:00:02	VALID	2000	VALID	R-	VALID	61	VALID	81	VALID	0.47	
23/09/2008	08:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.15	
23/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
23/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	81	VALID	0	
23/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	21:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
23/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
24/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	09:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	11:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	20:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
24/09/2008	23:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	04:00:02	VALID	1822	VALID	C	VALID	10	VALID	81	VALID	0	Mist
25/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

**Broughton Creek visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
25/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
25/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
26/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

**Broughton Creek visibility data- Log 1, September 2008**

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
27/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
27/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
28/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
28/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	03:00:02	VALID	744	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	11:00:03	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.23	
29/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	23	VALID	0	
29/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	81	VALID	0	Mist
29/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	21	VALID	0	
29/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
29/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
29/09/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	01:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	05:00:02	VALID	1481	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	08:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	09:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	11:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	20:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
30/09/2008	23:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
1/10/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	02:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	03:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	04:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	21:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
1/10/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	01:00:02	VALID	1278	VALID	C	VALID	10	VALID	20	VALID	0	Mist / Fog
2/10/2008	02:00:02	VALID	732	VALID	C	VALID	10	VALID	20	VALID	0	Mist / Fog
2/10/2008	03:00:02	VALID	1714	VALID	C	VALID	10	VALID	20	VALID	0	Mist / Fog
2/10/2008	04:00:02	VALID	619	VALID	C	VALID	10	VALID	33	VALID	0	Mist / Fog
2/10/2008	05:00:02	VALID	2000	VALID	C	VALID	0	VALID	20	VALID	0	Mist / Fog
2/10/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	



### Broughton Creek visibility data- Log 1, September 2008

date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
2/10/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	10:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	11:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	12:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	13:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	14:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	15:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	16:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	17:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	18:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	19:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	20:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	21:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	22:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
2/10/2008	23:00:03	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/10/2008	00:00:04	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/10/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	06:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/10/2008	07:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/10/2008	08:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	
3/10/2008	09:00:02	VALID	2000	VALID	C	VALID	0	VALID	0	VALID	0	

**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
3/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	04:00:02	VALID	2000	VALID	R-	VALID	61	VALID	61	VALID	0.02	
3/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	23	VALID	0	Mist
3/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
4/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	21:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
4/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
5/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
5/09/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	00:00:06	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	08:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	10:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	19:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	22:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
6/09/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
7/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
7/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	00:00:06	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
8/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
8/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
9/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
9/09/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	21:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
10/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
11/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	21:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
11/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist



**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
12/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
12/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
13/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
13/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	00:00:06	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	08:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	21	VALID	0	Mist
14/09/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	81	VALID	0	Mist
14/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
14/09/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
15/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	08:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	10:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	15:00:02	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
15/09/2008	16:00:02	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
15/09/2008	17:00:02	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
15/09/2008	18:00:02	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
15/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	22:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
15/09/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
16/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	10:00:03	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
16/09/2008	11:00:03	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
16/09/2008	12:00:02	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
16/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	15:00:02	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
16/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
16/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
17/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
17/09/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	00:00:06	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
18/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
19/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
19/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
20/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	21:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
20/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
21/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
21/09/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	10:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
22/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist



**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
23/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	21:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
23/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
24/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	21:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
24/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	08:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

Toolijooa visibility data- Log 1, September 2008												
date	time	status	PWD12_1 vis_1	status	PWD12_1 pw_nws	status	PWD12_1 pw_inst	status	PWD12_1 pw_1h	status	PWD12_1 water_1h	Code Translation
25/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
25/09/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
26/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
27/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	21:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
27/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
28/09/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	11:00:03	VALID	2000	VALID	C	INVALID	0	INVALID	0	VALID	0	
28/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
28/09/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	08:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
29/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	19:00:02	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
29/09/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
29/09/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	08:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	10:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	19:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	22:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
30/09/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
1/10/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	11:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	13:00:02	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
1/10/2008	14:00:02	VALID	2000	VALID	C	VALID	4	VALID	4	VALID	0	
1/10/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	20:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
1/10/2008	23:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist

**Toolijooa visibility data- Log 1, September 2008**

			PWD12_1		PWD12_1		PWD12_1		PWD12_1		PWD12_1	Code Translation
date	time	status	vis_1	status	pw_nws	status	pw_inst	status	pw_1h	status	water_1h	
2/10/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	09:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	10:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	11:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	12:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	13:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	14:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	15:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	16:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	17:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	18:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	19:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	20:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	21:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	22:00:03	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
2/10/2008	23:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	00:00:04	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	01:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	02:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	03:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	04:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	05:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	06:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	07:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	08:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist
3/10/2008	09:00:02	VALID	2000	VALID	C	VALID	10	VALID	10	VALID	0	Mist