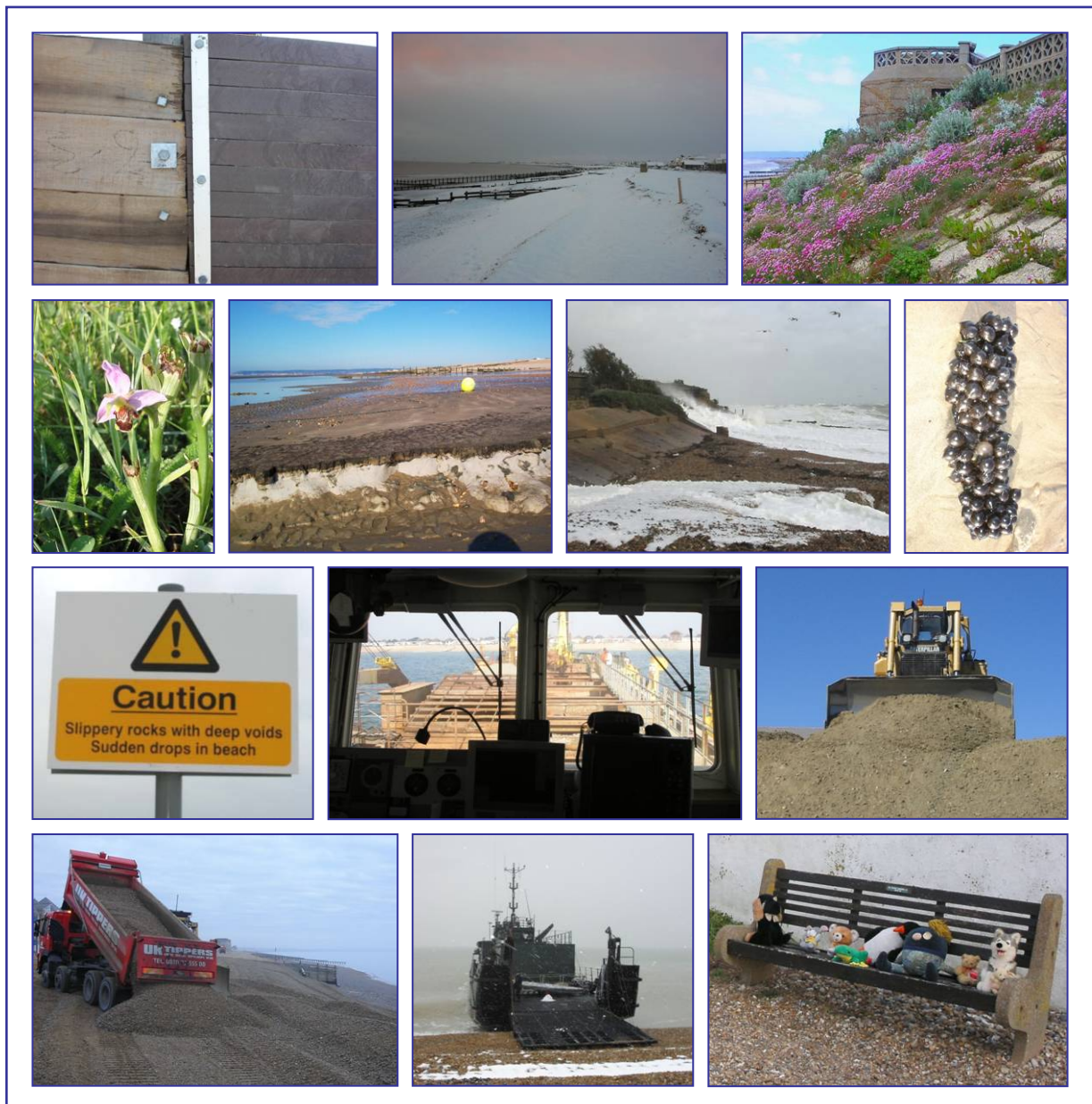




PEVENSEY BAY SEA DEFENCES PPP

MONTHLY REPORT: February 2010





1. Weather

1.1 General Synopsis – Southern England

The month was dominated by cold weather with only a few milder interludes, which were mainly in the south and west. It was also mainly unsettled with some snowfalls, especially over higher ground. Overall, it was a cold month with mean temperatures about 1.0 °C below the 1971-2000 normal across the south and 2.0 °C below in the north. Provisionally, it was the coldest February since 1996. Rainfall ranged from below average in the west to above in the east, with less than half the normal amount in Cumbria and over twice the normal amount in East Anglia and the south-east. Sunshine totals ranged from about average in the west to below average in the eastern half of England. In more detail the Met Office recorded February as follows;

Detail

Winds

1st to 7th Areas of low pressure affected the UK, although a ridge of high pressure built southwards towards the end of the week. Generally a mixture of dry, bright weather and cloudier conditions with mainly light rain or fog at times, but more significant precipitation fell on 2nd and 3rd. This fell as snow across parts of the Midlands and some northern and eastern areas, giving accumulations of a few centimetres, but was mostly rain further south (22mm at Okehampton, Devon on 2nd). The south stayed mild for the most part, with maximum temperatures of 12.3°C at Kew Gardens (Greater London) on 5th and 11.8°C at Plymouth (Devon) on 6th but the north was colder, with maxima close to zero on 3rd.

SW
 Gale force 8
 becoming
 Moderate
 variable, then
 NE
 Light

8th to 14th High pressure was centred to the north-west of the UK, with a predominantly easterly or north-easterly airflow. This led to an east-west split, with much of the east cloudy with showers, mostly of sleet or snow, while the west was drier with sunny intervals and overnight frost. The heaviest and most frequent showers were in the far south-east on 10th and 11th, with 10 to 20cm of snow recorded in parts of east Kent and East Sussex.

NE
 Moderate to
 Strong with
 Gales to
Severe gale 9

15th to 21st Low pressure again dominated. Temperatures overall were either close to or only a little below normal, with ongoing night frosts. A few milder days in the south, particularly 17th when temperatures reached 9°C in the London area. Further snowfalls in a few places, mainly over higher ground but especially in parts of the Midlands on both 18th and 21st and in the north-east on 19th.

S to SW
 occasionally
 Gale force 8

22nd to 28th Unsettled throughout with low pressure close by, bringing showers or longer periods of rain or snow to most parts, with some strong winds in the south. Precipitation generally stayed as rain in southernmost counties but places further north saw a wintry mix, with snow falling widely across the Midlands on 22nd, giving 5 cm in places. On 28th, heavy rain in southern and eastern areas produced totals in excess of 30mm in places, especially Kent. There were also some clear nights with widespread frost and/or fog, particularly the night of 22nd/23rd when temperatures fell to between -5°C and -10°C widely across northern areas

Variable
 Moderate to
 Strong with
 Gales to
Severe gale 9



1.2 Gales

Winds still predominated from the north and east although not to the same degree as they had in January, with 88% falling to 71%. There were a lot more gales too, with 9 separate periods forecast. The majority were of short duration, often over in less than 24 hours, and more at sea than for inshore waters.

As the spring equinox approaches tides start to increase, with the highest being at the beginning and end of each month this year. Six tides were predicted (and recorded as reaching and surpassing 4.0mOD) but the predominance of offshore winds meant that the highest predicted wave was 2.3m – much lower than would be required to threaten the defences.

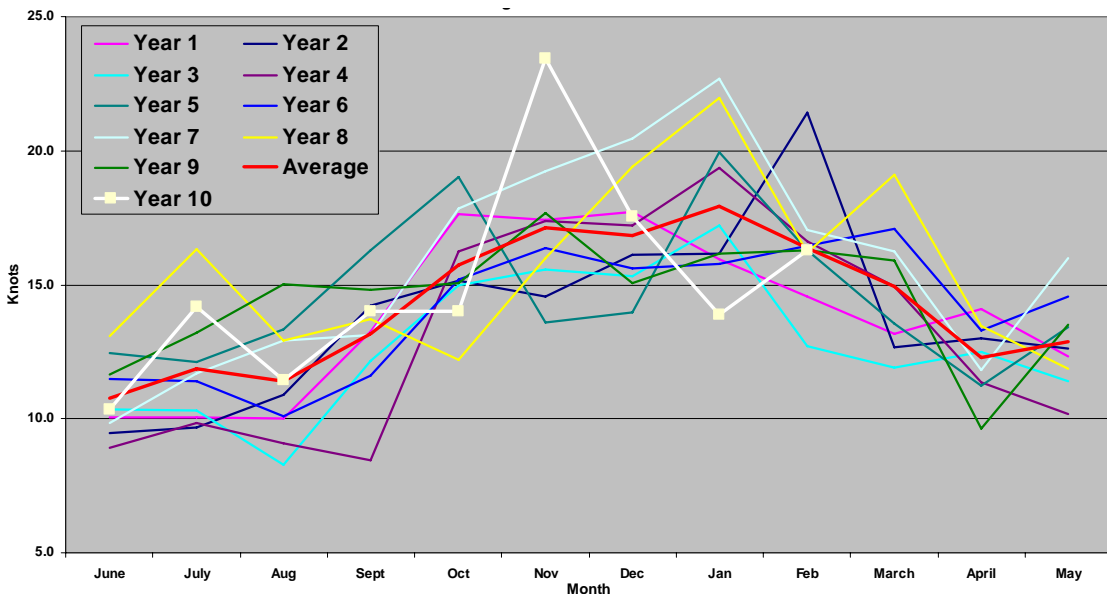


Figure 1: Average Monthly Wind Speeds (from Met Office model)

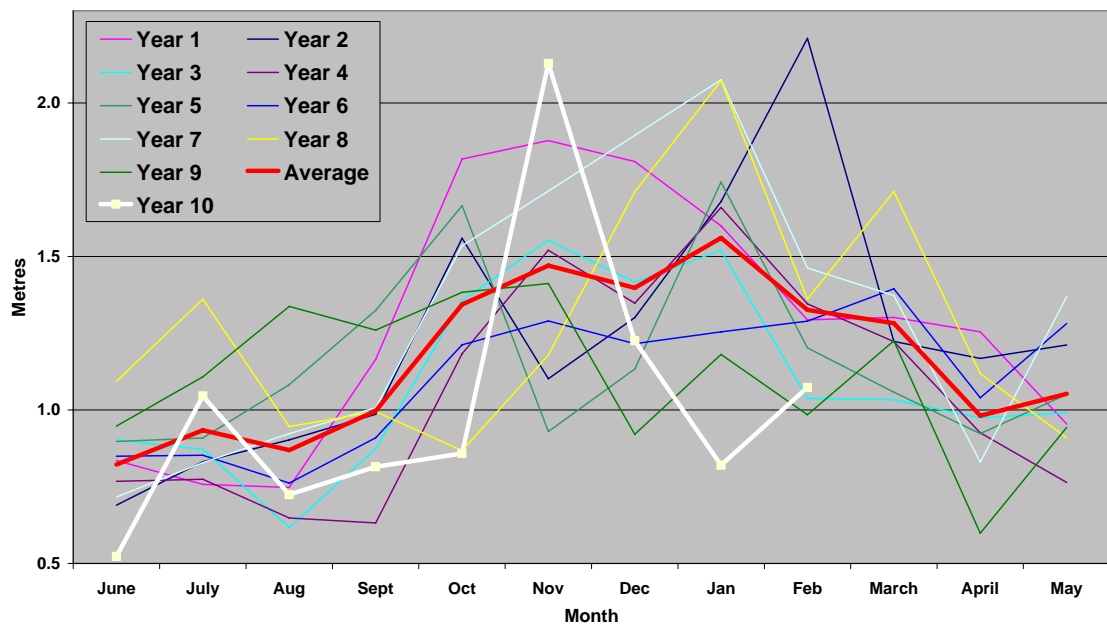


Figure 2: Average Monthly Wave Heights (from Met Office model)



Even so, it was quite a lively meteorological month at times. All pertinent forecast wind information for sea area Dover is recorded in Table 1 below;

Type	Day/Date	Times	Wind Force	Wind Direction
Gale Warning	Monday 1 st	15:58	8	SW expected later
Daily	Tuesday 2 nd	09:00 – 12:00	7	SW
Gale Warning		15:55		SW continuing
Daily		15:00 – 17:00	7	SW
Daily		18:00 – 19:00	7	SW
Gale Warning	Wednesday 3 rd	03:45	-	Gale now ceased
Gale Warning	Wednesday 10 th	03:50	8	NE expected soon
Gale Warning		18:55	Severe 9	NE increasing imminent
Gale Warning	Thursday 11 th	03:54	8	NE decreasing soon
Daily		11:00 – 12:00	7	NE
Daily		17:00 – 18:00	7	NE
Gale Warning		23:17	-	Gale now ceased
Gale Warning	Tuesday 16 th	07:09	8	S imminent
Gale Warning		15:31	-	Gale now ceased
Gale Warning	Thursday 18 th	09:46	8	SE expected soon
Gale Warning		21:39	-	Gale now ceased
Gale Warning	Monday 22 nd	03:40	8	SW expected soon
Gale Warning		15:37	-	Gale now ceased
Gale Warning	Wednesday 24 th	09:54	8	SW expected soon
Gale Warning	Thursday 25 th	03:37	-	Gale now ceased
Gale Warning	Thursday 25 th	16:05	8	S expected soon
Gale Warning		22:09	-	Gale now ceased
Gale Warning	Thursday 25 th	22:09	8	W expected soon
Daily	Friday 26 th	11:00 – 20:00	7	W
Gale Warning		22:06	Severe 9	SW backed, increasing soon
Gale Warning	Saturday 27 th	09:58	-	Gale now ceased
Gale Warning	Saturday 27 th	09:58	8	N expected later
Gale Warning		22:05	Severe 9	NW expected soon
Daily	Sunday 28 th	07:00 – 13:00	7 to 8	N to NW
Gale Warning		21:53	-	Gale now ceased

Table 1 – Weather Information Received: February 2010

1.3 Weather Events

Given that spring tide heights became increasingly significant this year as the season moved from winter towards spring, it was no surprise to discover that three reached the level needed to produce JRP 1:1 year events.

Day	Time	Forecast		Total Water	Tide Gauge		Ave. Diff.	Waves		Wave required for JRP					
		UKHO	Surge		PVSY	SH		Ht	Dir	1	2	5	8	10	
1 st	00:08	4.08	0.12	4.20	4.33	4.36	+0.14	0.5	251	0.0	2.3				
3 rd	01:34	4.03	0.32	4.35	4.27	4.56	+0.06	1.7	244	0.0	0.0		2.8		
28 th	23:05	3.98	0.33	4.31	4.17	4.51	+0.03	1.3	253	0.0	0.0		3.1		

Table 2 –JRP Values for February 2010



Two other tides had water levels sufficiently high to record an event, but both these were accompanied by winds from the west or northwest. In all six tides registered water levels above 4.0m, so three events would be the minimum number to be expected.

2. Works Undertaken

2.1 Programmed Works – Recycling & Reprofiling

Since northerly airflows continued to dominate southern England's weather, there continued to be no need to re-mobilise the recycling team. However, as the tides in early March were to be even higher than those in February, it was decided to have the plant on site and working from Thursday 25th so as to be prepared for any storms that may appear over the weekend on into 1st March. With the vast majority of their work being done in March, a full report of works undertaken will appear next month

3. Health, Safety & Environment

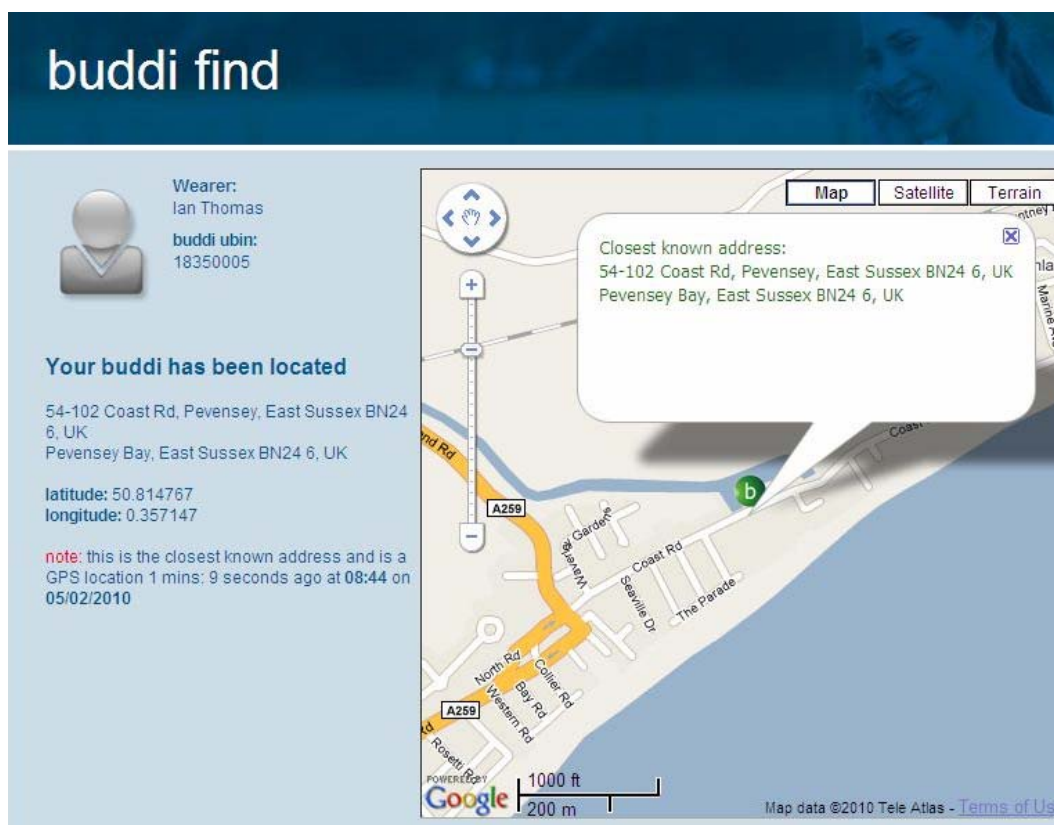
No Health & Safety incidents were reported during January.

3.1 Personal Safety

A buddi personal tracker continues to be used during beach surveys, and as described last month, below are some illustrations of how it can be used;

Buddi Find

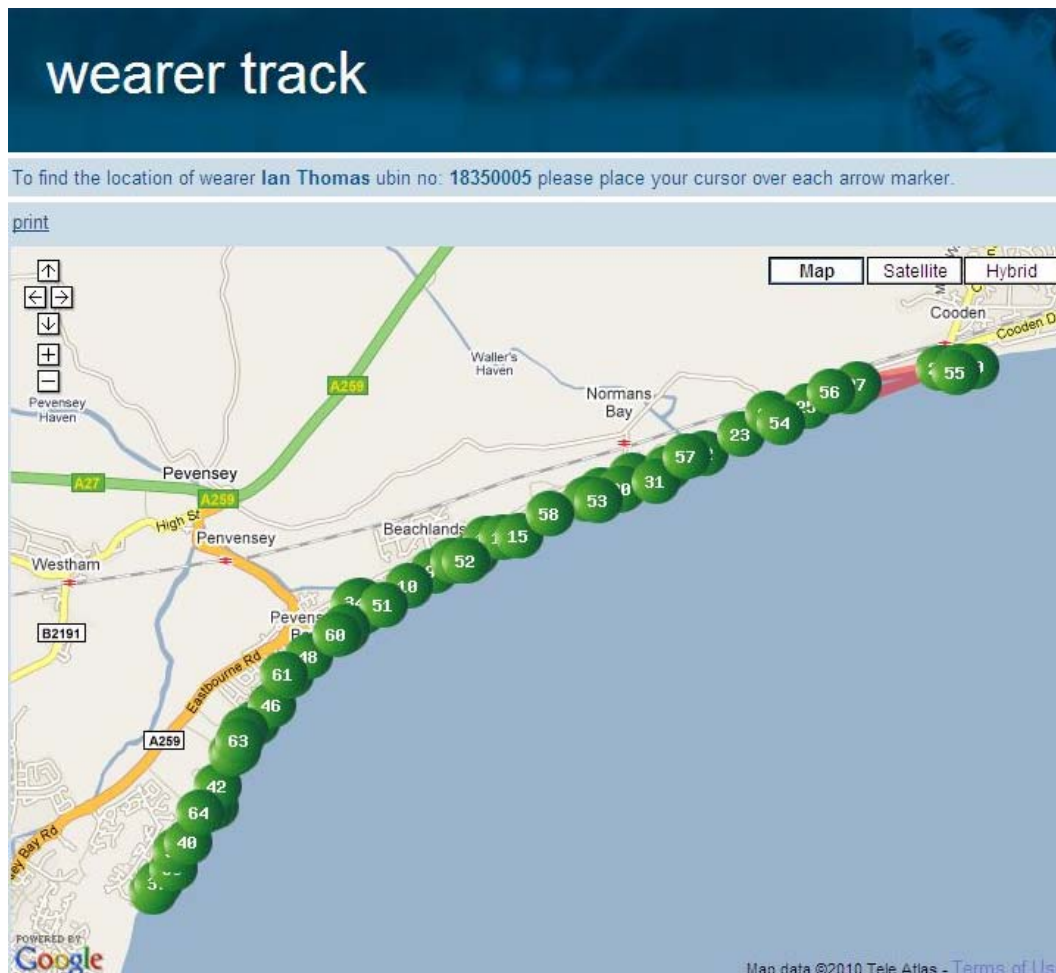
This enables anyone with the buddi user's details to check the unit's current position. Here it can be seen to be located at the PCDL office in Pevensey Bay





Buddi Track

By asking for track details the unit's whereabouts for the previous 7 days can be discovered. A value is saved every 5 minutes with each appearing on the screen as an icon that can be examined.



4. Monitoring

4.1 KPF Surveys – GPS ABMS Stakeout Survey

Two L&B survey teams arrived on site during Monday 15th to undertake ABMS stakeout surveys of the coastal survey units involving Bulverhythe, Pevensey and Eastbourne. Works were completed three days later on Thursday 18th. Results have to undergo L&B QA checks before being submitted to Canterbury CC (acting on behalf of CCO), who in turn carry out their own checks. Either can take up to 28 days, so results would not be expected from this survey before the end of March. With the shingle bypassing window closing on 31st March, the only way to check beach volumes before then was for calculations to be done on site. Alan Clarke of L&B kindly provided the raw data for the four relevant Langney beach profiles, and volumes were checked. This confirmed that there was an excess of more than 5,000 m³. Therefore a final bypassing operation is being planned for March.



4.2 KPF Surveys – GPS Quad Bike Survey

Choosing another cold day, but one much warmer than that in January, the monthly quad bike survey was completed on Wednesday 3rd February. A single session was possible because low water was not until 08:20, allowing the majority of mid-foreshore work to be done before the tide turned. No observations were taken below -2.0mOD, as time was still limited.

4.3 KPF Surveys – GPS Quad Bike Volumes

As reported last month, dramatic changes at the Above 0.0mOD level were somewhat mitigated when looking at -1.5m and -2.0mOD values. Adding February's results do nothing to dispel that view. Contractual values seem to verify the view that January's volume was unrepresentatively high, with a fall of 14,000m³ being recorded. Again looking at the lower two levels any real change is far from obvious. Indeed the Above -2.0m OD value remains essentially unchanged. Most recent survey volumes are as indicated by Table 3.

<i>Month</i>	<i>October</i>	<i>November</i>	<i>December</i>	<i>January</i>	<i>February</i>
<i>Above 0 + Stockpile (m³)</i>	2,075,172	2,062,327	2,046,828	2,084,232	2,069,876
<i>Above KPF (m³)</i>	-8,429	-21,274	-36,773	+631	-13,725
<i>Above -1.5mOD (m³)</i>	3,024,362	3,006,911	2,994,099	3,015,370	3,007,302
<i>Above -2.0mOD (m³)</i>	3,423,462	3,401,080	3,396,989	3,411,607	3,411,318

Table 3 – Beach Volumes October 2009 to February 2010

4.4 KPF Surveys – Required Actions

Despite no real overall change, a couple of extra sections crept into deficit.

- 569/570 Revetment & Scour Hole. Conditions here remain normal for the time of year. Recycling with the box and reprofiling continued throughout the month, with the area planned to be a major recipient of replacement beach during March.
- 596/597 Beachlands. Adjacent sections continue to remain well within normal ranges. It continues to be reprofiled and will be the first port of call during the next recycling operation. This month 597 dropped its level to 180 m³ below its allowable minimum, so reprofiling was stepped up to ensure it returned to its permitted volume.
- 611 Herbrand Walk wall. Here the profile fell 125 m³ too low. Recycling here was scheduled for the first few days of March.

4.5 Weather

Detailed wind, wave and surge information becomes available at T-36 hours, with models generating the data being run every six hours. However, the time frame from when this detailed analysis is first available until a potential weather event will often



only be 24 hours or so. This is insufficient to adequately prepare for dealing with any erosion that might occur. Thus, there is great reliance on the two to five day section of the Agency's daily weather forecast.

Periodically comments have been made on the standard elements that should be included in each day's entry. For instance, there have been times when there has been no mention of wind at all. Feedback from the Agency has generally led to a more uniform approach being adopted, and whilst this has undoubtedly helped, there are still occasions when information has been lacking. Early February provided just such an instance.

From table 1 we can see that a gale warning for sea area Dover was in place from the afternoon of 1st until the early hours of the 3rd. As this coincided precisely the highest tide of the period, the effect a gale at this time might have is of prime concern to coastal flood defences.

The five day forecast for Sunday 31st January stated;

Monday 01-02 Dry. Moderate westerly becoming south-westerly through the evening.
Tuesday 02-02 Outbreaks of rain/sleet throughout most of the day. Some moderate bursts at times. Moderate to strong southwesterly wind.

From seeing this (and indeed the subsequent forecast) there would be no thought to check for gale warnings. One has to bear in mind that since the NFFS became the sole source of weather information, no information is emailed directly to end users and the information has to be actively sought. Therefore if a forecast suggests only "moderate to strong" winds – perhaps force 5 – it is unlikely that any more will be thought about it.

The lack of information was highlighted further by that which had been provided in the six to ten day forecast issued on 23rd February;

Outlook for Days 6 - 10 (Sunday 28/02/10 to Thursday 04/03/10)

General unsettled pattern continues with more wet and windy weather expected for the end of this week and the start of the next. Rain moving in from the south or southwest is still likely to turn to snow in central and northern areas. A moderate risk of gales developing in the south and southwest or the UK for Sunday or Monday too, and with spring tides on the way then additional surge associated with low pressure systems is likely to cause extra issues.

This long-range perspective is exactly what should be provided, with subsequent forecasts providing additional detail as weather patterns evolve, and where necessary recording that gales are no longer expected, if that is indeed the case. Just ignoring an earlier synopsis can be interpreted several ways, leading to the reader losing confidence in the veracity and accuracy of the forecast – and the forecaster. Since the named forecaster changes on a daily basis, the overriding impression is that there is an inconsistency of approach, and hence variation in reported items and detail.



One problem is that the five day forecast is aimed at users across the entire Southern region, and inland winds would undoubtedly have been moderate at worst. The usual response in this kind of situation is that gales were only experienced at sea and not on the coast. Whilst this is often true, it is at sea where the waves that could threaten defences are generated, so an awareness of conditions at sea is of significance.

In reporting concerns about the suitability of the current forecast for coastal users, the basic question to be asked was; where should coastal flooding teams look for information if not in the five-day forecast? Logically there should be mention of all gales likely to occur in any of the sea areas that abut Southern region's coast.

PCDL concerns were fed back to Anna Field, Southern region's Flood Forecasting Technical Specialist, who in turn submitted a feedback form to the Met Office on 3rd March.

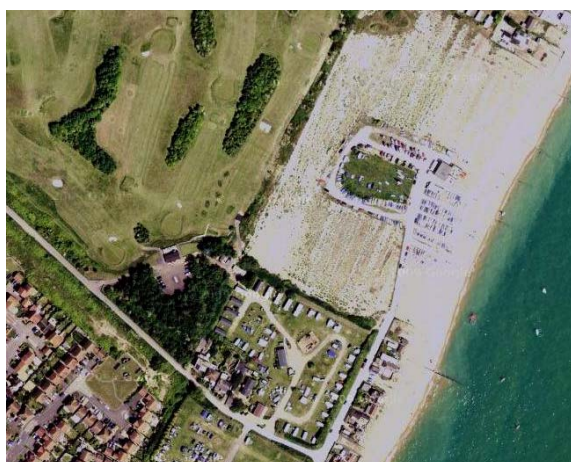
4.6 Sovereign Harbour Tide Data

The Agency has now collected more than twelve months of tide data from the harbour. This was sent to Travis Mason at CCO for analysis early in February. Early indications were that their typical analysis program was having a problem. Towards the end of the month, the same data was sent to Chris Jones, Head of Tides at UKHO. Through earlier contact with UKHO it had been agreed that for free supply of the data UKHO would provide analysis and hence constituents to be used to set up a custom port in TotalTide.

5. Stakeholder & Landowner Liaison

5.1 ESCC Shingle Officer

In mid February the regular bulldozer driver was approached by the owners of Bay View caravan site & the adjoining 9 hole golf course (immediately on Eastbourne's eastern boundary with Wealden, but in Wealden) to "push some shingle across to the golf course" for them. Apparently he expected it to be done across the beach, PBSC's access track, and across land surrounding PBSC by temporarily taking down the fence. Obviously this is not something that would be considered.



PBSC surrounded by remnants of The Crumbles with the golf course behind

He also learnt that that the site owners have been unsuccessfully trying to buy the land that surrounds PBSC from the two elderly ladies who own it, believed to be part of the Wenham family. As this represents the last remnants of the original Crumbles it should logically be protected before it too is lost.

An email exchange between ESCC Shingle Officer, Tim Smith, PCDL and Natural England (NE) confirmed that currently there is no designation on the site and that a



potential route may be for the Agency to consider buying the land as compensation for land lost elsewhere – perhaps Dungeness. Glen Cooper of NE provided this information and suggested route to the Agency's Rebecca Reynolds.

5.2 Rother DC

Charles Sharrod, RDC Emergency Planning officer, emailed PCDL with reference to a letter the council had received from Normans Bay Residents Association. Although not all its contents were pertinent, PCDL was asked to respond to one particular section;

"As far as the flood bank at the west end of the village is concerned it is now more depleted than at any time over the last three years as no shingle has been imported and heavy trucks have compacted the top of the bank whilst transporting shingle along the beach from Herbrand Walk and in front of the Camping Club of Great Britain site."

The following response was provided;

As a one-off statement your comment is essentially true. It does, however, need to be viewed in context.

Our obligations under the Pevensey Bay Sea Defence Scheme contract are clear and have been transmitted to NBRA on several occasions. Protection against breach for storms with a severity of up to 1:400 years is provided by the provision of a shingle embankment with a designed minimum width. From a combination of this minimum width and the existing beach where it was already wider than required, sectional and overall beach volumes were calculated.

As you are also aware we undertake a full survey of the beach every month, and have done since beach improvement works were completed in late 2002, so are fully aware of the condition of the defences at Normans Bay West.

Normans Bay West was one of the areas that needed to be improved during summer 2002, this being achieved by construction of a new groyne approximately in line with the western end of the Normans Bay concrete sea wall, and the addition of approximately 14,000cu.m either side of the Martello tower. Initially there was some erosion to the placed material and a small amount of recycling was carried out in January 2003 to restore the designed volume. Since that time there has been no requirement to artificially re-supply beach.

In fact between spring 2003 and late autumn 2008 there was a gradual build up of beach at Normans Bay West such that by December 2008 a further 13,000cu.m of shingle had naturally accreted. Since January 2009 some of this material has begun to dissipate, such that by early February volumes had fallen by 8,000cu.m. Therefore Normans Bay West still has 5,000cu.m more beach in place than is required by our contract. This type of natural accretion and subsequent dispersal seems to be a natural phenomenon as it has been seen in one or two other places around the Bay.

All Normans Bay residents can be assured that as and when beach volumes do fall below required volumes then suitable action will be taken.

The monthly surveys also show that beach crest levels have not lowered despite any compaction that may be taking place because of plant movements.

If you require any further clarification of, or information on, the sea defences please don't hesitate to contact me.



5.3 Sovereign Harbour – Premier Marinas

As March approached, an email was sent to Premier Marinas to enquire as to when their annual dredge of the harbour entrance channel would begin and whether they had considered re-use of as dredged material, which is a requirement of a FEPA license for such work.

5.4 Residents

Normans Bay resident, Ron Smith, asked if PCDL knew who was responsible for the road between the eastern end of Beachlands and Normans Bay Camping & Caravan Club site. The particularly cold weather has damaged the road surface quite badly so that on the northern in particular it is badly potholed. The information was passed on to Wealden DC since they own the land to the south of the road for comment.

6. Meetings & Other Liaison

6.1 Environment Agency

6.1.1 Environment Agency – Project Managers

PCDL and Agency project managers met several times during the month to view and discuss ongoing matters of interest. A record of issues discussed has been included as Appendix B of this report.

6.1.2 Environment Agency – FCERM

Phil McCormick, from the Flood Risk Science Team, emailed to ask for support for the Joint EA/Defra FCERM R&D project 'FD2635: Schemes with multiple objectives and funders - case studies'. The purpose of this project is to help inform the debate on what approaches are most suitable to supplement central funding for coastal schemes with material sources of other funding that reflect the range of public and private benefits delivered. The practical outputs will assist in knowledge transfer and 'lessons learnt' to key players in policy, planning, and project management of coastal schemes, together with stakeholders such as community groups, developers, businesses and landowners.

PCDL is identified as a key stakeholder and practitioner in this process, and has been asked to complete an on line questionnaire. Maslen Environmental has been appointed to manage the project for EA/Defra.

6.1.3 Environment Agency – Development Control

Development Control officer, Les Norman, reported details of proposed works at 298 Coast Road. The works themselves will have no impact on sea defence activity, but there is an intent to try and reuse any shingle arisings from excavation on site rather than sending it off site. It was suggested that the best use of this material would be to raise ground levels around or in front of the property, particularly as the quantity involved is likely to be less than 10 m³.



6.2 Havant, Portsmouth and Gosport Coastal Partnership

Clive Moon, a Coastal Engineer with Havant, Portsmouth and Gosport Coastal Partnership emailed PCDL relating to beach nourishment data. He is currently trying to collate nourishment volumes for various sites around the UK, and is especially interested in the volume of material being bypassed around Sovereign Harbour. His research thus far can hardly be described as successful as there is only documented evidence from Hayling Island and Shoreham. Information for Sovereign Harbour from 2002 was provided, along with a brief explanation of why year on year volumes varied between zero and 14,000 m³.

6.3 Pevensey Community Action Group (PCAG)

A sub group of PCAG is the Local Action Team (LAT), which supports the youngsters in the village and is looking for some sort of all-weather facility for football “kick abouts”, volley ball, basketball etc. It was originally suggested and is actively supported by the police. LAT approached the Agency with a view to acquire all or part of the depot on the north side of Coast Road. LAT's Shirley Clarke met with the Agency but little has come from the idea to date.

An alternative idea being considered is on the seaward edge of Sea Road car park, owned by Wealden DC. In order to gauge the feasibility of such an idea, Mr & Mrs Clarke have now arranged to meet PCDL and the Agency on site to discuss it and hence avoid undertaking any further work should it be considered unsuitable.

7. Media Contact

7.1 Eastbourne Herald



Meals on Wheels man calls 999 as blaze rips through Pevensey home

Published Date: 10 February 2010

FIREFIGHTERS from Pevensey and Eastbourne attended a house fire in Coast Road, Pevensey, on Friday afternoon. A Meals of Wheels delivery man called emergency services just before 12 noon and reported there was a kitchen fire at the property. Three appliances were sent to Pevensey to fight the blaze in the roof and spent more than four hours at the scene. The firefighters wore breathing apparatus and used two hose reels and two main jets to fight the blaze. Emergency services feared the resident may have been in the house but she was out when the fire started. It was a semi-detached house and the neighbouring property was affected by the blaze because the fire vented through the roof. Part of the road was closed to all traffic, causing traffic disruption for many Beachlands residents.



The damaged roof caused by fire at the Coast Road property



7.2 Hastings Observer



Schools close as Eastbourne is once more hit by snow

Published Date: 11 February 2010

EASTBOURNE is again covered by a blanket of snow today (Thursday), causing schools to shut their doors amid travel chaos. Unlike January's Big Freeze, which affected the whole country, today's snow is localised to the east side of the county and forecasters say the heavy snow showers will ease up after lunchtime. East Dean and Polegate are among the worst affected areas, with residents measuring between four and six inches. The road between Eastbourne, East Dean and Seaford is impassable due to the snow and Brighton and Hove Buses has stopped services between Eastbourne and Brighton.



Snow on Eastbourne seafront

Stagecoach, which operates all the buses in the town, was running a limited service this morning. A spokesperson said the company was reviewing the situation regularly but that Pevensey and Westham and areas of Old Town are impassable. A service is running between Eastbourne and Hailsham but is much slower than usual. There were also delays and cancellations on the trains between Eastbourne and Hastings earlier this morning but things were running normally by 10am.

7.3 Sovereign Harbour Residents Association (SHRA)

The following article appeared in the February edition of Waterlines, SHRA's online magazine.

Unlocking the Trust

Like a bad penny, the Rentcharge demands from the Sovereign Harbour Trust have once again dropped on harbour residents' doormats.

As usual, there is only a basic explanation of what we are paying for and, as usual, the demand is accompanied by threats of legal action if payment is not made within fourteen days. We also understand that more residents, who have never previously received demands have received invoices going back eight years.

It's bad enough that the Environment Agency and the marina operator were allowed to place this unfair tax on us all, but worse, that the agency used to collect the tax, the Sovereign Harbour Trust, is so incompetent and insensitive.

Although the Rentcharge has gone down this year, mainly because the Trust has woken up to its past failings, you might have noticed a new line item on the accounts, 'Administration and collection costs', a staggering £144, 246. What is this? Could it be the cost to us all of the Trust sorting out the problems caused by its own incompetence? We will be asking the Trustees for an explanation, but past experience shows that a satisfactory response is unlikely.

We have been told that work is in progress to 'improve the working of the Trust'. Tinkering at the edges by those who have brought the Trust to its current state is not enough, only a root and branch reorganisation will work.

Its time to unlock the Trust.



8. Short Term Programme

Recycling works started for the final two days of February, and are expected to continue into mid March. A full-length recycle from Cooden to Sovereign Harbour is anticipated towards the middle of March, with a final harbour bypassing operation towards the end of the month.

A final high spring tide is due from 29th March until 2nd April, so a bulldozer will be kept working until early April, when it is hoped that general maintenance can be suspended for the summer period.

An annual recharge will be arranged for later in the summer, with timings to be finalised so that all south coast works are co-ordinated. The volume ordered will depend on the result of beach surveys in the month prior to delivery.



RECORD OF PEOPLE ENTERING SITE

Attachment	No. of visits to site
PCDL Project Manager	20
Agency Project Manager	1
Environment Agency Staff	8
Westminster Dredging	0
Dean & Dyball/Balfour Beatty	0
Mackley Construction	2
Mouchel	1
Sub-contractors	30
Local Residents/Landowners	1
Other Third Parties	11
Universities/Colleges	2
Total visits	76

- ❖ A single site visit includes any work-related visit or meeting attendance at the PCDL site offices or on the beach.
- ❖ A full working day (e.g. by the PCDL Project Manager) equates to one visit to site. No more than one visit per day per person is recorded.
- ❖ Attendance at a ½ hr meeting by 10 people counts as 10 visits to site.



APPENDIX A: ENVIRONMENTAL INSPECTION CHECKLIST

DATE: 1st March 2010

CONDUCTED BY: Ian Thomas

PERIOD COVERED: February 2010

Number	Item	Yes/ No	Corrective Action Required?	Comments
1	HEALTH & SAFETY			
1.1	Is there any shingle cliffing making public access to and from the beach dangerous?	Yes	Bulldozer on site for winter to remove cliffs at they appear.	Check beach regularly for reoccurrence of cliffing
1.2	Are there any loose, sharp or protruding parts of groyne that are a potential hazard to the public?	No		
1.3	Have any voids in shingle opened up over the Sovereign Harbour revetment?	No		
1.4	If yes, how were they made safe?			
2	NOISE AND VIBRATION			
2.1	Has pile driving been used on site?	No		
2.2	Are compressors acoustically silenced?	N/A		
2.3	Is equipment powered by mains electricity?	No		
2.4	Is all mobile plant fitted with exhaust silencers?	Yes		
2.5	Are reversing alarms set to the minimum safe level?	Yes		
2.6	Have there been any complaints about noise or vibration?	No		
3	AIR POLLUTION AND DUST			
3.1	Is all plant machinery correctly adjusted and maintained with respect to emissions?	Yes		
3.2	Is there visual evidence of dust on roads around the site?	No		
3.3	Is there visual evidence of wind-blown dust in the vicinity of properties around the site?	No		
3.4	Have there been any complaints about dust?	No		



Number	Item	Yes/ No	Corrective Action Required?	Comments
4.	HAZARDOUS MATERIALS			
4.1	Have any known or suspected explosive materials been found on site?	No		
5.	WATER POLLUTION AND LIQUID WASTE DISPOSAL			
5.1	Have shingle recharge methods been discussed with the Fisheries Liaison Officer.	N/A		
5.2	Are materials, vehicles or equipment stored within 3m of the beach crest?	No		
5.3	Are all fuel and oil tanks adequately banded?	Yes		
5.4	Is there any evidence of spills or leaks which have not been reported?	No		
5.5	Has the Contractor prepared and maintained a spill management plan?	Yes		
6.	SOLID WASTE DISPOSAL			
6.1	Is there an adequate supply of litter and waste receptacles, are they labelled and are they being emptied sufficiently frequently	N/A		
6.2	Is all waste being treated in accordance to the Duty of Care regulations?	Yes		
7.	NATURE CONSERVATION			
7.1	Are areas of vegetated shingle being marked off prior to works and staff briefed?	N/A		No works currently near major vegetated shingle sites
7.2	Are access points clearly marked and respected?	Yes		
7.3	Is there any evidence of damage to established shingle vegetation and the saline lagoons?	No		
8.	ARCHAEOLOGY and HISTORIC MONUMENTS			
8.1	Have there been any archaeological finds?	No		
8.2	If there have been any archaeological finds, was the Contractor's Environmental Manager informed, and was work stopped in that area pending investigation?	N/A		
8.3	Has Tower No 55 at NBW sustained any damage?	No		Currently being renovated



Number	Item	Yes/ No	Corrective Action Required?	Comments
9.	TRANSPORTATION			
9.1	Is transport of construction materials being carried out in accordance with the Contractor's Method Statement?	Yes		
9.2	Have any complaints been received relating to construction traffic?	No		
10.	COMMUNITY LIAISON			
10.1	Have notices been issued to statutory bodies and the public covering the present phase of works?	Yes		
10.2	Is the log book of complaints received and action taken up to date?	Yes		
11.	EMERGENCY INCIDENTS			
11.1	Have there been any emergency incidents?	No		
11.2	If there were any emergency incidents, were the correct procedures followed?	N/A		
11.3	Are emergency planning and training procedures in place?	Yes		
12	ADDITIONAL COMMENTS/CONCERNS			



Pevensey Bay Sea Defences

Notes from Monthly Project Manager's Meeting

February 2010

Items	Comment	Action
H&S Moment & Issues	Buddi lone worker monitoring device now in use appears to be working well Use of 'Staffcall' now abandoned for PCDL as Buddi system seen as superior	
Inspection & Current Condition of Defences	Drive through of defences completed. No areas of particular concern were identified. Next survey due 4 th March.	
Work Done This Month	Reprofiling & recycling now in progress.	
Programme For Next Month	Recycling and harbour bypassing, with final reprofiling at end of March.	
Medium Term Planning	Works expected to be completed by Easter, unless final spring tides result in additional erosion.	
Enquiries from the Public	Agency dialogue with SHRA continues relating to operation of Sovereign Harbour Trust.	
Media Contact	Updating of PCDL website almost complete.	
Contractual Issues	Delivery of ABMS information still outstanding. CCO enlisted to help.	Agency
Emergency Response	No action required. Watching brief for 1 st to 4 th March and 29 th March to 2 nd April	
Other Related EA Projects	<u>Pevensey Outfalls</u> No change	
	<u>L.A. frontages</u> No change	
Any Other Business	No WISKI access to be allowed. Data to be provided on a monthly basis by Julian Buss. PCDL's Agency account now re-instated.	
Next Meetings	Friday 19 th March Friday 16 th April	

PEVENSEY COASTAL DEFENCE LIMITED

Monthly Report - February 2010



APPENDIX C

Quad Bike Survey Results 3rd February 2010

Above		Calculations for 5m Crest Recession by Volume														Allowed Recession	Current KPF cu.m	%	Min Vol Reqd.
0	Min	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2009	2010	2010					
ABMS	KPF	Mar	Apr	May	Jun	July	August	Sept	Oct	Nov	Dec	Jan	Feb						
569	30,000	11,236	8,500	10,012	10,012	10,004	9,636	22,075	18,796	17,352	11,642	8,556	8,936	8,100	10,112	-3,136	-27.9	900	
570		29,392	19,345	20,999	20,999	21,328	20,462	24,224	23,952	24,168	21,547	18,132	19,811	19,059	22,192	-10,333	-35.2	3,133	
571	34,000	35,373	34,930	34,862	34,862	34,711	34,342	34,688	34,665	33,999	33,554	35,625	36,203	35,322	31,602	-50	-0.1		
572		42,840	39,277	39,383	39,383	39,032	39,178	39,563	39,509	39,892	41,984	44,716	43,584	42,856	39,424	17	0.0		
573	34,000	36,774	30,907	32,412	32,412	32,540	31,881	32,082	31,835	31,193	30,263	31,688	32,001	32,557	33,271	-4,217	-11.5		
		155,615	132,960	137,668	137,668	137,615	135,500	152,633	148,756	146,604	138,990	138,717	140,534	137,894		-17,721			
574	34,527	36,812	32,791	34,330	34,330	34,422	34,082	34,057	34,195	33,588	33,739	32,909	33,281	33,480	33,958	-3,332	-9.1		
575	43,189	43,719	38,545	40,082	40,082	39,907	39,648	39,674	39,681	39,513	39,794	37,763	40,388	40,777	40,287	-2,942	-6.7		
576	22,980	27,266	27,072	26,804	26,804	26,515	26,215	26,529	26,745	26,230	27,435	28,206	28,396	28,014	24,217	748	2.7		
577	21,049	21,623	21,204	21,370	21,370	21,658	21,320	21,408	21,818	21,973	18,848	20,189	22,115	21,671	18,887	48	0.2		
578		37,435	35,859	35,984	35,984	35,707	35,582	35,827	35,753	35,832	36,174	34,178	34,640	35,827	34,516	-1,563	-4.2		
579	25,979	26,928	25,573	25,664	25,664	25,434	24,920	25,132	25,183	24,719	24,938	25,111	25,888	25,566	23,641	-1,362	-5.1		
580	29,238	32,687	31,795	32,147	32,147	31,959	31,568	32,125	32,152	31,808	32,061	31,162	32,279	32,735	29,245	48	0.1		
581		49,427	48,501	48,712	48,712	48,707	48,040	48,464	48,994	48,530	48,461	47,287	47,833	48,453	45,975	-975	-2.0		
582		38,200	38,779	39,007	39,007	38,657	38,442	38,961	38,849	38,676	38,384	38,209	38,773	38,821	35,129	620	1.6		
583		17,145	17,613	17,999	17,999	17,339	16,962	17,351	17,185	16,851	18,345	17,613	18,213	17,826	14,759	682	4.0		
584	35,900	41,205	41,390	41,436	41,436	41,545	41,401	41,781	41,860	41,643	38,006	35,250	36,933	38,649	37,106	-2,556	-6.2		
585		27,549	28,904	28,801	28,801	28,862	28,754	28,940	29,013	28,642	29,692	28,148	28,292	27,643	24,070	95	0.3		
		399,996	388,026	392,337	392,337	390,712	386,935	390,249	391,429	388,004	385,876	376,024	387,032	389,508					
586	32,379	34,546	36,417	36,279	36,279	35,854	35,694	36,173	36,198	36,197	36,799	37,274	38,103	37,624	30,682	3,078	8.9		
587	45,333	46,771	45,340	45,022	45,022	44,931	44,621	44,949	44,621	44,782	45,510	46,662	47,383	47,079	42,874	308	0.7		
588		64,914	63,215	63,254	63,254	62,479	62,090	62,802	62,343	62,102	62,267	62,947	63,849	63,118	60,781	-1,796	-2.8		
589	40,269	41,485	41,118	40,613	40,613	40,328	39,830	39,832	39,513	39,058	37,843	39,352	40,177	40,050	37,132	-1,435	-3.5		
590		35,402	34,969	34,690	34,690	34,752	34,583	34,695	35,475	35,404	35,251	32,528	32,860	33,460	31,620	-1,943	-5.5		
591	31,043	36,663	37,467	37,401	37,401	37,197	37,061	37,484	37,861	37,767	37,994	38,547	39,386	39,255	32,202	2,592	7.1		
592	26,661	37,101	37,148	36,997	36,997	36,952	36,433	36,420	37,523	37,102	37,321	38,687	39,666	39,525	33,087	2,424	6.5		
593	29,285	42,401	38,045	37,999	37,999	38,188	37,842	38,240	38,910	38,779	39,737	41,000	42,044	41,655	38,360	-746	-1.8		
594	45,157	48,646	46,656	46,388	46,388	46,008	45,319	45,886	46,238	45,957	45,932	45,503	46,447	46,081	44,680	-2,565	-5.3		
595	46,231	46,736	47,185	47,207	47,207	46,756	45,932	46,309	46,542	46,319	45,393	45,428	46,283	45,178	41,957	-1,558	-3.3		
596		38,170	36,011	36,439	36,439	35,527	34,750	34,753	34,982	34,716	32,752	29,866	32,782	32,028	34,073	-6,142	-16.1	2,045	
597		35,810	32,971	33,561	33,561	33,349	33,120	33,632	34,185	33,868	33,905	32,107	32,822	31,876	32,056	-3,935	-11.0	180	
		508,646	496,541	495,849	495,849	492,322	487,274	491,174	494,392	492,050	490,705	489,902	501,803	496,929					
598	37,979	44,849	53,678	52,490	52,490	52,054	51,196	51,316	51,297	51,053	50,137	50,887	50,790	51,588	40,632	6,739	15.0		
599	63,364	66,985	72,925	71,581	71,581	71,748	71,411	71,531	72,456	72,335	71,617	71,487	70,968	71,275	63,171	4,290	6.4		
600	73,655	76,520	79,058	78,226	78,226	77,893	77,465	77,418	78,100	77,870	76,729	76,076	75,795	75,588	73,008	-932	-1.2		
601		35,674	41,081	41,196	41,196	40,779	40,322	40,389	40,556	40,527	38,992	38,311	38,135	37,078	32,146	1,405	3.9		
602		42,491	46,994	47,060	47,060	47,113	47,033	47,249	47,745	47,842	46,294	44,986	44,909	44,334	39,289	1,842	4.3		
603		32,943	33,129	33,122	33,122	32,748	32,768	32,971	33,627	33,476	33,362	32,855	33,416	32,969	29,146	26	0.1		
604		41,774	38,227	38,648	38,648	37,590	37,831	37,791	38,593	39,034	39,199	39,022	40,152	39,587	37,949	-2,187	-5.2		
605		30,794	27,499	28,323	28,323	27,107	27,079	27,098	27,766	28,890	27,634	27,017	28,655	27,657	26,763	-3,138	-10.2		
606		35,158	33,836	34,213	34,213	33,291	33,248	33,160	34,345	34,477	35,026	36,048	37,739	37,460	31,125	2,302	6.5		
607		38,585	39,526	39,347	39,347	38,950	39,338	39,575	41,109	41,656	43,712	43,946	44,036	42,349	35,292	3,765	9.8		
		445,773	465,953	464,206	464,206	459,272	457,692	458,499	465,593	467,157	462,703	460,635	464,594	459,885					
608	37,594	39,897	37,037	36,676	36,676	35,736	34,899	34,686	34,559	36,479	34,811	36,730	38,808	38,703	36,843	-1,194	-3.0		
609		57,229	58,234	57,532	57,532	57,128	56,948	56,902	57,348	56,930	56,007	52,288	54,738	55,612	53,269	-1,617	-2.8		
610	48,989	53,839	51,986	51,710	51,710	50,652	50,614	50,812	52,269	52,040	53,613	54,636	53,374	53,144	49,227	-694	-1.3		
611		57,442	55,155	55,918	55,918	55,625	55,258	55,613	55,998	56,052	55,643	55,113	54,113	53,228	53,353	-4,213	-7.3	125	
612		37,765	35,014	35,334	35,334	34,968	33,889	33,799	32,860	36,584	34,331	33,473	34,491	34,198	34,148	-3,567	-9.4		
613		32,202	33,563	33,843	33,843	33,681	33,272	33,505	33,393	33,350	33,109	33,899	34,107	32,851	29,371	649	2.0		
614		50,105	49,835	49,506	49,506	49,604	49,377	49,574	50,080	49,707	49,271	47,750	47,646	47,939	46,648	-2,166	-4.3		
615	48,897	55,547	53,083	52,820	52,820	52,892	52,444	52,764	54,054	52,664	54,021	52,723	52,749	52,236	50,291	-3,311	-6.0		
616		36,118	36,974	36,231	36,231	35,860	35,441	35,496	36,386	34,532	34,869	34,846	35,755	35,458	31,848	-661	-1.8		
617	29,381	34,489	38,078	36,507	36,507	36,530	36,372	36,639	37,477	35,651	36,587	35,785	36,534	36,704	30,303	2,215	6.4		
618	20,386	20,684	24,859	24,145	24,145	24,166	23,654	23,850	24,968	24,685	24,724	24,698	25,728	25,211	17,188	4,257	11.9		
619	20,769	26,393	30,297																